A G E N D A
BOARD OF EDUCATION MEETING
RIVERSIDE UNIFIED SCHOOL DISTRICT
Board Room
6735 Magnolia Avenue, Riverside, California

Study Session – 3:30 p.m.
Closed Session – 4:30 p.m.

February 6, 2012

Open Session – 5:30 p.m.

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As required by Government Code 54957.5, agenda materials can be reviewed by the public at the District's administrative offices, Reception Area, First Floor, 3380 Fourteenth Street, Riverside, California.

CALL MEETING TO ORDER – 3:30 p.m.

ESTABLISHMENT OF A QUORUM OF THE BOARD OF EDUCATION

STUDY SESSION

The Board of Education will hold a Study Session in the Board Room to discuss the following topic:

Deputy Supt.
Business

Page

Nutrition Services Update – Part 1 – Where We Have Come 1-2

The Board of Education will hold the first of a two-part Study Session to receive and discuss an update on the District's Nutrition Services Program.

PUBLIC PARTICIPATION ON CLOSED SESSION MATTERS

CLOSED SESSION

The Board of Education will recess to Closed Session at 4:30 p.m. to discuss:

1. Consideration of Pupil Services Matters Pursuant to Education Code Sections 35146 and 48918

2. Conference With Labor Negotiator Pursuant to Government Code Section 54957.6
   - District Representative: Rick L. Miller, Ph.D., District Superintendent
   - Employee Organizations: Riverside City Teachers Association
     California School Employees Association

3. Consideration of Public Employee Appointment Pursuant to Government Code Section 54957.6

Title: Assistant Superintendent for Human Resources and High School Principal

RECONVENE OPEN SESSION

The Board of Education will convene in Open Session at 5:30 p.m.

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to our flag will be led by Hannah Terao, 5th grade Hyatt Elementary School student.

GROUP PRESENTATION

The University Heights Middle School Band will perform for the Board of Education.

	Oral Report Assigned To	For Board	Page
ORGANIZATIONAL MEETING			
RECESS PUBLIC SESSION			
CONVENE THE BOARD OF DIRECTORS OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT SCHOOL FINANCING AUTHORITY MEETING	Asst. Supt. Operations	Action	3-25

1. Call to Order.

2. Report on Number of Directors Present in Order to Determine the Existence of a Quorum.

3. Reading Notice of the Meeting and Proof of the Delivery or Mailing Thereof.

4. Presentation of Proposed Bylaws.

5. Consider Adoption of Resolution No. 2011/12-1 Approving Bylaws, Determining Dates, Time, and Place of Regular Meetings of the Board of Directors, and Appointing Officers and Legal Advisor.

ADJOURN THE BOARD OF DIRECTORS OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT SCHOOL FINANCING AUTHORITY ORGANIZATIONAL MEETING

RECONVENE PUBLIC SESSION OF REGULAR MEETING

		Oral Report Assigned To	For Board	Page
SECTION A – PRESENTATIONS				
A.1	**Reports by High School Representatives** *Mackenzie Hays – Arlington High School* *Evan Cowder – Martin Luther King High School* *Joanna Arzeta – Abraham Lincoln High School*	District Superintendent		
A.2	**Riverside Council PTA Presentation by Marilyn Orens, President** *Ms. Marilyn Orens will report on the activities and accomplishments of the Riverside Council Parent Teacher Association (PTA).*	District Superintendent		
A.3	**CSEA Presentation by Richard Carpenter, President, Riverside Unified School District, Chapter #506** *Mr. Richard Carpenter will report on the activities and accomplishments of the California School Employees Association (CSEA).*	District Superintendent		
A.4	**RCTA Presentation by Tim Martin, President, Riverside City Teachers Association** *Mr. Tim Martin will report on the activities and accomplishments of the Riverside City Teachers Association (RCTA).*	District Superintendent		
A.5	**RASM Presentation by Lynn McCown, President, Riverside Association of School Managers** *Ms. Lynn McCown will report on the activities and accomplishments of the Riverside Association of School Managers (RASM).*	District Superintendent		
A.6	**Presentation of the Riverside County Office of Education's Academic/Athletic Team Award to the John W. North High School Girls' Tennis Team** *The Riverside County Office of Education will present the Academic/Athletic Team Award to the John W. North High School Girls' Tennis Team.*	Asst. Supt. Inst. Services		26

A.7 Scheduled Communications (approximately 6:30 p.m.)

Pursuant to the Brown Act, Board of Education members cannot discuss or take action on any item which does not appear on the Consent and Action Calendars of the agenda. The Board of Education may provide a reference to staff or other resources of information, request staff to report back at a subsequent meeting, or direct staff to place an item on a future agenda.

Scheduled Communications provides an opportunity for members of the public to schedule time to address the Board on a specific topic. The president invites anyone who has requested an opportunity to address the Board under Scheduled Communications to do so at this time.

SECTION B – SUBCOMMITTEE REPORTS

B.1 Board Instruction Subcommittee Report — Kathy Allavie — Report

The Board of Education will receive a report from the Board Instruction Subcommittee.

B.2 Board Communication Subcommittee Report — Kathy Allavie — Report

The Board of Education will receive a report from the Board Communication Subcommittee.

B.3 Board Operations Subcommittee Report — Tom Hunt — Report

The Board of Education will receive a report from the Board Operations Subcommittee.

SECTION C– CONSENT

Moved_____ Seconded_____ Vote_____

All items listed under the Consent Calendar are considered by the Board to be routine and will be enacted by the Board in one motion. There will be no discussion of these items prior to the time the Board votes on the motion unless members of the Board request specific items to be removed from the Consent Calendar.

C.1 Minutes of Board Meeting — District Superintendent — Consent — 27-33

January 17, 2012 – Regular Board Meeting
January 21, 2012 – Special Board Meeting

C.2	**Warrant List No. 11** *The payment for the purchase of goods, materials, and services is done in school districts with checks called warrants. Warrant lists are presented to the Board of Education for ratification.*	Deputy Supt. Business	Consent	34-43
C.3	**Resolution No. 2011/12-39 – Resolution to Appropriate Revenues, Expenditures, and Fund Balance** *Funds have been received or are anticipated to be received by the school District. Revenue lists are presented to the Board of Education for adoption.*	Deputy Supt. Business	Consent	44-46
C.4	**Approval of Change Order No. 1 – Purchase Order C6002012 – Bid No. 2011/12-21 – Arlington High School Opportunity Classroom – General Construction** *A change is recommended in the scope of work for the Arlington High School Opportunity Classroom.*	Deputy Supt. Business	Consent	47-49
C.5	**Notices of Completion** **Notice of Completion – Purchase Order C6001610 – Bid No. 2009/10-77 – Emerson Elementary School Portable Relocation** *A Notice of Completion is recommended for Haley Construction Service, Inc., for the Emerson Elementary School Portable Relocation.* **Notice of Completion – Purchase Order C6001818 – Bid No. 2010/11-16 – Highgrove Elementary School Multipurpose Room Building Improvements** *A Notice of Completion is recommended for Hamel Contracting, Inc. at Highgrove Elementary School Multipurpose Room Building Improvements.*	Deputy Supt. Business	Consent	50-55
C.6	**Out-of-State Field Trip – Ramona High School** *Ramona High School's Winter Guard will travel by bus to Phoenix, Arizona, to participate in the WGI Phoenix Regional Competition March 2 – 4, 2012. The trip will be funded by fundraising activities.*	Asst. Supt. Inst. Services	Consent	56-58
C.7	***Valenzuela*/CAHSEE Lawsuit Settlement Quarterly Report on *Williams* Uniform Complaints to Riverside County Office of Education**	Asst. Supt. Operations	Consent	59-60

The quarterly report information confirms that there were no complaints filed with any school in the District for the period of October 1, 2011 – December 31, 2011.

C.8	**Resolution No. 2011/12-40 – Resolution of the Board of Education of the Riverside Unified School District Making Certain Required Written Findings Pursuant to the California Environmental Quality Act; Adopting the Final Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the John W. North High School Athletic Facilities Master Plan Completion Project (Project); Approving the Project; and Delegating Authority to Execute a Notice of Determination** *The Board will consider adoption of a Final Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the John W. North High School Athletic Facilities Master Plan Completion project and approval of the Project.*	Asst. Supt. Operations	Consent	61-719
C.9	**Resolution No. 2011/12-41 – Resolution of the Board of Education of the Riverside Unified School District Rendering City and County Zoning Ordinances Inapplicable to the John W. North High School Athletic Facilities Master Plan Completion Project Pursuant to Government Code Section 53094** *The Board will consider invoking its authority to render city and county ordinances inapplicable to the John W. North High School Athletic Facilities Master Plan Completion project.*	Asst. Supt. Operations	Consent	720-723
C.10	**Recommended Actions From the Administrative Hearing Panel and/or the Executive Director, Pupil Services/SELPA and Adoption of the Findings of Fact for All Approved Cases** **Case for Expulsion** *Consistent with Administrative Regulation #5144.1, principals may suspend students who are in violation of Education Code Section 48900 and Board Policy #5144.1. Certain violations identified in Education Code Section 48915 are of a serious nature that require recommendation to the Board of Education for expulsion.* *Student Case: #2011-066*	Exec. Director Pupil Serv./SELPA	Consent	Confidential Insert

Cases for Expulsion With a Recommendation for Suspended Expulsion

Education Code Section 48917 provides that a student who has been recommended for expulsion may have the expulsion suspended by the Board of Education. The suspended expulsion is valid for the term of the original expulsion order. The student is placed upon school probation, assigned to a school program, and must remain there until the conditions identified in the Rehabilitation Plan are met.

Student Cases: #2011-052, #2011-053, #2011-054,#2011-055, #2011-056, #2011-057, #2011-058, #2011-059, #2011-063, #2011-064, #2011-065, #2011-067, #2011-068, #2011-070, #2011-071

Case for Revocation of a Suspended Expulsion That Reverts Back to a Full Expulsion

Students who violate the conditions of their Rehabilitation Plan while on a suspended expulsion may have the suspension of their original expulsion order revoked and may thereby be expelled under the terms of the original expulsion order.

Student Case: #2011-035

Cases for Reinstatement After Suspended Expulsion

Education Code Section 48917 provides that a student on a suspended expulsion may be reinstated by action of the Board of Education when the student has satisfactorily completed the conditions identified in the Rehabilitation Plan ordered at the time the student was expelled.

Student Cases: #2006-315, #2008-243, #2009-070, #2009-203, #2010-082, #2010-091, #2010-096, #2010-109, #2010-114, #2010-123, #2010-138, #2010-163, #2010-201, #2010-221, #2011-001

Case for Admittance of a Student Expelled by Another District

Education Code Section 48915 permits school districts to enroll a student expelled by another school district for certain specific violations following a hearing in which the receiving school district determines the student does not represent a threat to the safety of students or staff or of disrupting the instructional program.

Student Case: #2011-00N

C.11	**Certificated Personnel Assignment Order CE 2011/12-11** *The latest District's management, certificated personnel actions are presented to the Board of Education for approval.*	District Superintendent	Consent	724-727
C.12	**Classified/Non-Classified Personnel Assignment Order CL 2011/12-11** *The latest District's classified personnel actions are presented to the Board of Education for approval.*	District Superintendent	Consent	728-734

SECTION D – REPORT/DISCUSSION

D.1	**Governor's Budget Proposals for 2012-13** *Staff will provide a presentation on the Governor's Budget Proposals for 2012-13, and the potential impacts on Riverside Unified School District.*	Deputy Supt. Business	Report	735-759
D.2	**High School Graduation Requirements** *In order to better prepare students for college and career readiness, the High School and Middle School Task Forces have focused and collaborated with appropriate groups on how to increase student achievement for students who receive a Riverside Unified School District high school diploma.*	Asst. Supt. Inst. Services	Report	760

SECTION E – ACTION

E.1	**Evaluating and Establishing Districting Criteria Related to the California and Federal Voting Rights Acts** *The Board of Education is being asked to evaluate and establish districting criteria to be used by staff in performing analysis related to whether or not the need exists to consider the establishment of trustee areas for Governing Board elections pursuant to the provisions of California Education Code Sections 5019 et seq.* Moved_____ Seconded_____ Vote_____	Deputy Supt. Business	Action	761-762
E.2	**Establishment of Tie-Breaking Criteria and Skipping Criteria** *Board approval is requested for 1) tie-breaking criteria pursuant to Education Code Section 44955(b), and 2) retention of certificated employees who possess special training or*	Deputy Supt. Business	Action	763-766

experience (skipping criteria) pursuant to Education Code Section 44955(d).

Moved_____ Seconded_____ Vote_____

E.3 New Career Technical Education (CTE) Course Proposal: "Advanced Digital Video Production" — Asst. Supt. Inst. Services — Action — 767-774

The new Career Technical Education (CTE) course entitled "Advanced Digital Video Production" course is submitted for the Board's approval.

Moved_____ Seconded_____ Vote_____

SECTION F – UNSCHEDULED COMMUNICATIONS

Unscheduled Communications provides an opportunity for citizens to make suggestions, identify concerns, or request information about matters affecting the school District. Complaints against employees will normally be heard in Closed Session, and the District's complaint procedure should be followed before discussion with the Board.

Individuals or groups who wish to address the Board are requested to fill out a "Request to Address the Board of Education" card located on the table at the back of the Board Room. Comments or presentations should be limited to five minutes or less.

Pursuant to the Brown Act, Board of Education members cannot discuss or take action on any item which does not appear on the Consent and Action Calendars of the agenda. The Board of Education may provide a reference to staff or other resources of information, request staff to report back at a subsequent meeting, or direct staff to place an item on a future agenda.

SECTION G – CONCLUSION

G.1 Board Members' Comments

G.2 Superintendent's Announcements

G.3 Agenda Items for Future Meetings
Tuesday, February 21, 2012 – Regular Board Meeting

ADJOURNMENT

The next regular meeting of the Board of Education is scheduled for Tuesday, February 21, 2012. The meeting will be called to order at 4:30 p.m. in the Board Room at 6735 Magnolia Avenue, Riverside, California. The Board will adjourn to Closed Session from 4:30 to 5:30 p.m., at which time the Board of Education will reconvene in Open Session.

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	Nutrition Services Update – Part 1 – Where We Have Come
Presented by:	Rodney Taylor, Director, Nutrition Services
Responsible Cabinet Member:	Mike Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Study Session
Short Description:	The Board of Education will hold the first of a two-part Study Session to receive and discuss an update on the District's Nutrition Services Program.

DESCRIPTION OF AGENDA ITEM:

The District has made tremendous gains in our Nutrition Services program over the past nine and one-half years. Moving from a basic, no frills program operating on a shoestring budget in an unstable financial environment, staff has been able to build a program that has been nationally and internationally recognized for its innovation and focus on student nutritional needs while building a strong financial base and facilitating an annual investment in service growth and improvement. Despite these highlights, the RUSD Nutrition Services program has tremendous needs that present hurdles to our ability to transform the program to the next generation.

The purpose of this two-part Board Study Session is to engage the Board of Education in a long overdue review on what the District has achieved (Part 1) and where we need to move to and how to get there (Part 2). Part 1 is today. Part 2 will be at the February 21, 2012 regular Board Meeting.

Part 1 – Where We Have Come – will focus on the familiar achievements we have made in the past nine years. Highlights will include the Fresh Farm to School Salad Bar Program, menu and product changes, participation growth and a few financial and operational statistics.

Part 2 – Where To Go and How To Get There – will focus on building the capacity for future transformation. Over the summer we initiated Phase One of a study to look at modern central

kitchen operations and layouts with the goal of finding a solution to our non-working cook-chill operation and to address other inefficiencies in our food production and packaging operations. We contracted with Webb Design, a primer food services design consultant to evaluate our food service operation with focuses on equipment and general infrastructure, and a specific look at our cook-chill possibilities. Our food production activities today avoid any liquids and utilize very few solid food products. Additionally, our salad bar and packaging operation is inefficient - manually intensive in a world of automation.

Webb Design has completed their Phase One evaluation and recommendations. The good news is that there are reasonable solutions to our problems that will open the door to increased food safety, automation and other efficiency improvements, and expansion of our menu and menu cycles to include less processed food product and more fresh products originating from our central kitchen. We are ready to proceed to Phase Two which would entail a deeper look at specific engineering and building components, equipment options, utility issues and cost projections.

The Board's Finance Subcommittee will be engaged in February to consider a recommendation for the March 5 Board Meeting to proceed with Phase Two of the evaluation and recommendations that would include specific facility, equipment and process recommendations. Nutrition Services has been reserving funds for several years to fund potential improvements, knowing that our future growth and improvement would require significant investments in process and equipment changes, and training.

FISCAL IMPACT: None.

RECOMMENDATION: None, information only.

ADDITIONAL MATERIAL: Presentation to be provided at Study Session

Attached: No

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	Organizational Meeting of the Board of Directors of the Riverside Unified School District (RUSD) Financing Authority
Presented by:	Kirk R. Lewis, Ed.D., Assistant Superintendent Operations
Responsible Cabinet Member:	Kirk R. Lewis, Ed.D., Assistant Superintendent Operations
Type of Item:	Action
Short Description:	The formation of the RUSD Financing Authority has been completed and it is necessary that the Board of Directors of the Authority hold an Organizational Meeting.

DESCRIPTION OF AGENDA ITEM:

The Board of Education at the regularly scheduled meeting on November 1, 2011, adopted Resolution No. 2011/12-29, approving and authorizing the execution of a Joint Exercise of Powers Agreement between the District and Western Municipal Water District of Riverside County creating the Riverside Unified School District Financing Authority in order to do a pooled refunding of outstanding CFD bonds. The Board of Directors of Western Municipal Water District approved the Joint Exercise of Powers Agreement between the School District and the Water District creating the Riverside Unified School District Financing Authority on November 16, 2011. The required filing with the California Secretary of State has been made and an employer identification number has been obtained for the Authority. The formation of the Authority has been completed. It is necessary for the Board of Directors of the Authority to hold an organizational meeting to approve bylaws, determine the dates, time and place of the regular meetings of the Board of Directors, and appoint the officers and legal advisor of the Authority.

Agenda for the RUSD Financing Authority Organizational Meeting:

1. Call to order.
2. Report on number of Directors present in order to determine the existence of a quorum.
3. Reading notice of the meeting and proof of the delivery or mailing thereof.
4. Presentation of proposed bylaws.

5. Consider adoption of Resolution No. 2011/12-1 approving bylaws, determining dates, time and place of regular meetings of the Board of Directors, and appointing officers and legal advisor.
6. Adjournment.

FISCAL IMPACT: Undetermined.

RECOMMENDATION: It is recommended that the Board of Directors of the RUSD Financing Authority hold an Organizational Meeting to approve the proposed Bylaws of the Authority and to adopt Resolution No. 2011/12-1 of the Authority Board of Directors to determine the dates, time and place of the regular meetings of the Board of Directors, and to appoint the officers and legal advisor of the Authority.

ADDITIONAL MATERIAL: Signed Joint Exercise of Powers Agreement, Notice of Organizational Meeting, Organizational Meeting Agenda, proposed Bylaws, and Resolution No. 2011/12-1 of the Authority Board of Directors.

Attached: Yes

JOINT EXERCISE OF POWERS AGREEMENT

CREATING

RIVERSIDE UNIFIED SCHOOL DISTRICT FINANCING AUTHORITY

Dated as of November 1, 2011

JOINT EXERCISE OF POWERS AGREEMENT

RIVERSIDE UNIFIED SCHOOL DISTRICT FINANCING AUTHORITY

THIS JOINT POWERS AGREEMENT (the "Agreement"), dated as of November 1, 2011, is entered into by and between **RIVERSIDE UNIFIED SCHOOL DISTRICT** ("RUSD") and **WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY** ("WMWD"), each duly organized and existing under the laws of the State of California;

W I T N E S S E T H:

WHEREAS, RUSD and WMWD are each authorized to own, lease, purchase, receive and hold property necessary or convenient for their governmental operations; and

WHEREAS, the Marks-Roos Local Bond Pooling Act of 1985, Article 4 (commencing with Section 6584) of Chapter 5, Division 7, Title 1 of the Government Code of the State of California (the "Bond Law"), authorizes agencies formed under the Act (as hereinafter defined) to assist in the financing of public capital improvements to be owned by the public agencies which are parties to the agreements creating such agencies; and

WHEREAS, in enacting the Bond Law, the Legislature of the State of California declared, in Section 6584.5 of the Government Code of the State of California, that (a) there is a critical need within the State of California to expand, upgrade and otherwise improve the public capital facilities of local government necessary to support the rehabilitation and construction of residential and economic development; and (b) that it is (was) the intent of the Legislature to assist in the reduction of local borrowing costs, help accelerate the construction, repair and maintenance of public capital improvements and promote greater use of existing and new financial instruments and mechanisms such as bond pooling by local agencies; and

WHEREAS, RUSD and WMWD have determined that it is in the best interest of the communities which they serve that an authority be formed pursuant to the Act for the purposes of financing needed public capital improvements and reducing local borrowing costs for financing such improvements as authorized therein, and that the formation of such an authority will be consistent with and in furtherance of the intent and purposes of the Bond Law;

NOW, THEREFORE, in consideration of the above premises and of the mutual promises herein contained, RUSD and WMWD agree as follows:

ARTICLE I

DEFINITIONS

Section 1.01. Definitions. Unless the context otherwise requires, the words and terms defined in this Article shall, for the purpose hereof, have the meanings herein specified.

"Act" means Articles 1 through 4 (commencing with Section 6500) of Chapter 5, Division 7, Title 1 of the Government Code of the State of California.

"Agreement" means this agreement.

"Authority" means the Riverside Unified School District Financing Authority established pursuant to this Agreement.

"Bond Law" means the Marks-Roos Local Bond Pooling Act of 1985, being Article 4 of the Act (commencing with Section 6584 of the Government Code), as now in effect or hereafter amended, or any other law available for use by the Authority in the authorization and issuance of bonds, certificates of participation or other evidence of indebtedness to provide for the financing of Obligations and/or Public Capital Improvements.

"Bond Purchase Agreement" means an agreement between the Authority and RUSD or WMWD, pursuant to which the Authority agrees to purchase Obligations from RUSD or WMWD, as the case may be.

"Board" means the Board of Directors referred to in Section 2.03, which shall be the governing body of the Authority.

"Bonds" means the bonds of the Authority issued pursuant to the Bond Law.

"Directors" means the members of the Board appointed to the Board pursuant to Section 2.03.

"Fiscal Year" means the period from July 1st to and including the following June 30th.

"Government Code" means the Government Code of the State of California.

"Members" means RUSD and WMWD.

"Obligations" has the meaning given to the term "Bonds" in Section 6585(c) of the Government Code, as in effect on the date hereof, and as hereafter amended.

"Public Capital Improvement" has the meaning given to such term in Section 6585(h) of the Government Code, as in effect on the date hereof, and as hereafter amended.

"Secretary" means the Secretary of the Authority appointed pursuant to Section 3.01.

"Treasurer" means the Auditor and Treasurer of the Authority appointed pursuant to Section 3.02.

ARTICLE II

GENERAL PROVISIONS

Section 2.01. Purpose. This Agreement is made pursuant to the Act providing for the joint exercise of powers common to RUSD and WMWD, and for other purposes as permitted under the Act, the Bond Law and as agreed by one or more of the parties hereto. The purpose of this Agreement is to provide for the financing of Public Capital Improvements for, and working capital requirements of, RUSD or WMWD through the construction and/or acquisition by the Authority of such Public Capital Improvements and/or the purchase by the Authority of Obligations of RUSD or WMWD pursuant to Bond Purchase Agreements and/or the lending of funds by the Authority to RUSD or WMWD.

Section 2.02. Creation of Authority. Pursuant to the Act, there is hereby created a public entity to be known as the "Riverside Unified School District Financing Authority." The Authority shall be a public entity separate and apart from RUSD and WMWD, and shall administer this Agreement.

Section 2.03. Board. The Authority shall be administered by a Board of five (5) Directors, unless and until changed by amendment of this Agreement, who shall be the members of the Board of Education of RUSD. The Board shall be called the "Board of Directors of the Riverside Unified School District Financing Authority." All voting power of the Authority shall reside in the Board. At the written request of WMWD, this Agreement shall be amended to increase the number of the Directors comprising the Board of Directors to include not more than five (5) additional Directors who shall be members of the Board of Directors of WMWD.

Section 2.04. Meetings of the Board.

(1) Regular Meetings. The Board shall provide for its regular meetings; provided, however, that at least one regular meeting shall be held each year. The date, hour and place of the holding of regular meetings shall be fixed by resolution of the Board and a copy of such resolution shall be filed with RUSD and WMWD.

(2) Special Meetings. Special meetings of the Board may be called in accordance with the provisions of Section 54956 of the Government Code.

(3) Call, Notice and Conduct of Meetings. All meetings of the Board, including without limitation, regular, adjourned regular and special meetings, shall be called, noticed, held and conducted in accordance with the provisions of Sections 54950 *et seq.* of the Government Code.

Section 2.05. Minutes. The Secretary shall cause to be kept minutes of the meetings of the Board and shall, as soon as possible after each meeting, cause a copy of the minutes to be forwarded to each Director and to RUSD and WMWD.

Section 2.06. Voting. Each Director shall have one vote.

Section 2.07. Quorum; Required Votes; Approvals. Directors holding a majority of the votes shall constitute a quorum for the transaction of business, except that less than a quorum

may adjourn from time to time. The affirmative votes of at least a majority of the Directors present at any meeting at which a quorum is present shall be required to take any action by the Board.

Section 2.08. Bylaws. The Board may adopt, from time to time, such bylaws, rules and regulations for the conduct of its meetings as are necessary for the purposes this Agreement.

ARTICLE III

OFFICERS AND EMPLOYEES

Section 3.01. Chairman, Vice Chairman, Executive Director and Secretary. The Board shall elect a Chairman and Vice Chairman from among the Directors, and shall appoint a Secretary who may, but need not, be a Director. The Board may appoint an Executive Director who may, but need not, be a Director. The officers shall perform the duties normal to said offices. The Chairman or the Executive Director (if an Executive Director is appointed by the Board) shall sign all contracts on behalf of the Authority, or shall appoint in writing a designee to sign contracts on behalf of the Authority, and shall perform such other duties as may be imposed by the Board. The Vice Chairman shall act, sign contracts and perform all of the Chairman's duties in the absence of the Chairman. The Secretary shall countersign all contracts signed by the Chairman, Executive Director or Vice Chairman on behalf of the Authority, perform such other duties as may be imposed by the Board and cause a copy of this Agreement to be filed with the Secretary of State within thirty (30) days of the effective date hereof pursuant to the Act.

Section 3.02. Treasurer. Pursuant to Section 6505.6 of the Government Code, the Deputy Superintendent, Business Services and Governmental Relations of RUSD is hereby designated as the Auditor and Treasurer of the Authority. The Auditor and Treasurer shall be the depository, shall have custody of all of the accounts, funds and money of the Authority from whatever source, shall have the duties and obligations set forth in Sections 6505 and 6505.5 of the Government Code and shall assure that there shall be strict accountability of all funds and reporting of all receipts and disbursements of the Authority.

Section 3.03. Officers in Charge of Records, Funds and Accounts. Pursuant to Section 6505.1 of the Government Code, the Treasurer shall have charge of, handle and have access to all accounts, funds and money of the Authority and all records of the Authority relating thereto; and the Secretary shall have charge of, handle and have access to all other records of the Authority.

Section 3.04. Bonding Persons Having Access to Public Capital Improvements. From time to time, the Board may designate persons, in addition to the Secretary and the Treasurer, having charge of, handling or having access to any records, funds or accounts or any Public Capital Improvement of the Authority, and the respective amounts of the official bonds of the Secretary and the Treasurer and such other persons pursuant to Section 6505.1 of the Government Code.

Section 3.05. Legal Advisor. The Board shall have the power to appoint the legal advisor of the Authority who shall perform such duties as may be prescribed by the Board. Such legal advisor may be the legal counsel to RUSD or WMWD.

Section 3.06. Other Employees. The Board shall have the power to appoint and employ such other consultants and independent contractors as may be necessary for the purposes of this Agreement.

All of the privileges and immunities from liability, exemption from laws, ordinances and rules, all pension, relief, disability, workers' compensation and other benefits which apply to the activities of officers, agents or employees of RUSD or WMWD when performing their respective functions shall apply to them to the same degree and extent while engaged in the performance of any of the functions and other duties under this Agreement.

None of the officers, agents or employees directly employed by the Board shall be deemed, by reason of their employment by the Board, to be employed by RUSD or WMWD or, by reason of their employment by the Board, to be subject to any of the requirements of RUSD or WMWD.

Section 3.07. Assistant Officers. The Board may appoint such assistants to act in the place of the Secretary or other officers of the Authority (other than any Director) as the Board shall from time to time deem appropriate.

ARTICLE IV

POWERS

Section 4.01. General Powers. The Authority shall exercise in the manner herein provided the powers common to RUSD and WMWD, or as otherwise permitted under the Act, and necessary to the accomplishment of the purposes of this Agreement, subject to the restrictions set forth in Section 4.04.

As provided in the Act, the Authority shall be a public entity separate from RUSD and WMWD. The Authority shall have the power to acquire and to finance or refinance the acquisition or construction of Public Capital Improvements necessary or convenient for the operation of RUSD or WMWD and to purchase or acquire bonds and other Obligations of RUSD or WMWD.

Section 4.02. Power to Issue Bonds. The Authority shall have all of the powers provided in the Act, including but not limited to the Bond Law, and including the power to issue Bonds, certificates of participation and/or other evidences of indebtedness under the Bond Law.

Section 4.03. Specific Powers. The Authority is hereby authorized, in its own name, to do all the acts necessary for the exercise of the foregoing powers, including but not limited to, any or all of the following:

(1) to make and enter into contracts;

(2) to employ agents and employees;

(3) to acquire, construct, manage, maintain or operate any Public Capital Improvement, including the acquisition of Public Capital Improvements by exercise of the common power of eminent domain of RUSD and WMWD;

(4) to sue and be sued in its own name;

(5) to issue Bonds and otherwise to incur debts, liabilities or obligations, provided that no such Bonds, debt, liability or obligation shall constitute a debt, liability or obligation of RUSD or WMWD;

(6) to apply for, accept, receive and disburse grants, loans and other aid from any agency of the United States of America or of the State of California;

(7) to invest any money in the treasury of the Authority pursuant to Section 6505.5 of the Government Code that is not required for the immediate necessities of the Authority, as the Authority determines is advisable, in the same manner and upon the same conditions as local agencies, pursuant to Section 53601 of the Government Code;

(8) to apply for letters of credit or other forms of financial guarantees in order to secure the repayment of Bonds, certificates of participation and/or other evidences of indebtedness and enter into agreements in connection therewith;

(9) to carry out and enforce all the provisions of this Agreement;

(10) to make and enter into Bond Purchase Agreements;

(11) to purchase Obligations of RUSD or WMWD; and

(12) to exercise any and all powers which are provided for in the Act and in Section 6588 of the Government Code, as they exist on the date of this Agreement and as they may hereafter be amended.

Section 4.04. Restrictions on Exercise of Powers. The powers of the Authority shall be exercised in the manner provided in the Act and in the Bond Law, and, except for those powers set forth in the Bond Law, shall be subject (in accordance with Section 6509 of the Government Code) to the restrictions upon the manner of exercising such powers that are imposed upon RUSD in the exercise of similar powers.

Section 4.05. Obligations of Authority. The debts, liabilities and obligations of the Authority shall not be the debts, liabilities and obligations of RUSD or WMWD.

ARTICLE V

METHODS OF PROCEDURE; CREDIT TO MEMBERS

Section 5.01. Assumption of Responsibilities by the Authority. As soon as practicable after the date of execution of this Agreement, the Directors shall give notice (in the manner required by Section 2.04) of the organizational meeting of the Board. At said meeting the Board shall provide for its regular meetings as required by Section 2.04 and elect a Chairman and Vice Chairman and appoint the Secretary.

Section 5.02. Delegation of Powers. RUSD and WMWD hereby delegate to the Authority the power and duty to acquire, by lease, lease-purchase, installment sale agreements,

or otherwise, or make loans to finance, such Public Capital Improvements as may be necessary or convenient for the operation of RUSD or WMWD and to exercise the common power of eminent domain of RUSD and WMWD as necessary in connection therewith.

Section 5.03. Credit to RUSD and WMWD. All accounts or funds created and established pursuant to any instrument or agreement to which the Authority is a party, and any interest earned or accrued thereon, shall inure to the benefit of RUSD and WMWD in the respective proportions for which such funds or accounts were created.

ARTICLE VI

CONTRIBUTION; ACCOUNTS AND REPORTS; FUNDS

Section 6.01. Contributions. RUSD and WMWD may in the appropriate circumstance when required hereunder: (a) make contributions from their treasuries for the purposes set forth herein, (b) make payments of public funds to defray the cost of such purposes, (c) make advances of public funds for such purposes, such advances to be repaid as provided herein, or (d) use their personnel, equipment or property in lieu of other contributions or advances. The provisions of Section 6513 of the Government Code are incorporated into this Agreement.

Section 6.02. Accounts and Reports. To the extent not covered by the duties assigned to a trustee chosen by the Authority, the Treasurer shall establish and maintain such funds and accounts as may be required by good accounting practice or by any provision of any trust agreement entered into with respect to the proceeds of any Bonds, certificates of participation and/or other evidences of indebtedness issued, created or incurred by the Authority. The books and records of the Authority in the possession of a trustee or the Treasurer shall be open to inspection at all reasonable times by representatives of RUSD and WMWD. The Treasurer, within 120 days after the close of each Fiscal Year, shall give a complete written report of all financial activities for such fiscal year to RUSD and WMWD to the extent such activities are not covered by the report of such trustee. The trustee appointed under any trust agreement and/or indenture shall establish suitable funds, furnish financial reports and provide suitable accounting procedures to carry out the provisions of said trust agreement and/or indenture. Said trustee may be given such duties in said trust agreement and/or indenture as may be desirable or necessary to carry out the purposes of this Agreement.

Section 6.03. Funds. Subject to the applicable provisions of any instrument or agreement which the Authority may enter into, which may provide for a trustee to receive, have custody of and disburse funds of the Authority, the Treasurer shall receive, have custody of and disburse Authority funds as nearly as possible in accordance with generally accepted accounting practices, and shall make the disbursements required by this Agreement or to carry out any of the provisions or purposes of this Agreement.

Section 6.04. Annual Budget and Administrative Expenses. The Board may adopt a budget for administrative expenses, which shall include all expenses not included in any financing transaction of the Authority, annually prior to July 1 of each year. The estimated annual administrative expenses of the Authority shall be allocated by the Board proportionately to RUSD and WMWD based on the portions of the aggregate principal amount of the outstanding Bonds of the Authority which relate to the financing of Public Capital Improvements

for or purchasing bonds, certificates of participation or other evidences of indebtedness of RUSD and WMWD, respectively. Initially, if Bonds of the Authority are issued only to finance the construction and/or acquisition of Public Capital Improvements for or to purchase Obligations of either RUSD or WMWD, such estimated administrative expenses shall be allocated entirely to RUSD or WMWD, as appropriate.

ARTICLE VII

TERM

Section 7.01. Term. This Agreement shall become effective as of the date hereof and shall continue in full force and effect so long as any Bonds, certificates of participation and/or other evidences of indebtedness of the Authority remain outstanding or so long as the Authority shall own any interest in Public Capital Improvements.

Section 7.02. Disposition of Assets. Upon termination of this Agreement, all property of the Authority, both real and personal, shall be divided among the parties hereto in such manner as shall be agreed upon by the parties.

ARTICLE VIII

MISCELLANEOUS PROVISIONS

Section 8.01. Notices. Notices hereunder shall be in writing and shall be sufficient if delivered to the notice address of each party hereto for legal notices or as otherwise provided by a party hereto in writing to the other party.

Section 8.02. Section Headings. All section headings in this Agreement are for convenience of reference only and are not to be construed as modifying or governing the language in the section referred to or to define or limit the scope of any provision of this Agreement.

Section 8.03. Consent. Whenever in this Agreement any consent or approval is required the same shall not be unreasonably withheld.

Section 8.04. Law Governing. This Agreement is made in the State of California under the Constitution and laws of the State of California and is to be so construed.

Section 8.05. Amendments. This Agreement may be amended at any time, or from time to time, except as limited by contract with the owners of Bonds issued by the Authority or certificates of participation in payments to be made by the Authority or RUSD or WMWD or by applicable regulations or laws of any jurisdiction having authority, by one or more supplemental agreements executed by both of the parties to this Agreement or for any other purpose including, without limitation, addition of new parties (including any legal entities or taxing areas heretofore or hereafter created) in pursuance of the purposes of this Agreement.

Section 8.06. Enforcement by Authority. The Authority is hereby authorized to take any or all legal or equitable actions, including but not limited to injunction and specific performance, necessary or permitted by law to enforce this Agreement.

Section 8.07. Severability. Should any section or provision of this Agreement be decided by any court of competent jurisdiction to be illegal or in conflict with any law of the State of California, or otherwise be rendered unenforceable or ineffectual, the validity of the remaining sections and provisions hereof shall not be affected thereby.

Section 8.08. Successors. This Agreement shall be binding upon and shall inure to the benefit of the successors of RUSD and WMWD, respectively. Neither RUSD nor WMWD may assign any right or obligation hereunder without the written consent of the other.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and attested by their proper officers thereunto duly authorized and their official seals to be hereto affixed, on the day and year first set forth above.

RIVERSIDE UNIFIED SCHOOL DISTRICT

By: _____
President of the Board of Education

ATTEST:

_____
Clerk of the Board of Education

WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY

By: _____
President of the Board of Directors

ATTEST:

_____
Secretary of the Board of Directors

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RIVERSIDE UNIFIED SCHOOL DISTRICT

By: _____
President of the Board of Education

ATTEST:

_____
Clerk of the Board of Education

WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY

By: _____
President of the Board of Directors

ATTEST:

_____
Secretary of the Board of Directors

NOTICE OF ORGANIZATIONAL MEETING
OF THE BOARD OF DIRECTORS OF
THE RIVERSIDE UNIFIED SCHOOL DISTRICT
FINANCING AUTHORITY

NOTICE IS HEREBY GIVEN that on the 6th day of February, 2012 at 5:30 p.m. at 6735 Magnolia Avenue, Riverside, California, the Board of Directors of the Riverside Unified School District Financing Authority will hold its organizational meeting. The business to be considered at the meeting will be:

1. Presentation of the proposed bylaws of the Riverside Unified School District Financing Authority.

2. Consideration of adoption of Resolution No. 2011/12-1 of the Board of Directors approving bylaws, determining the dates, time and place of the regular meetings of the Board of Directors, and appointing the officers and legal advisor of the Authority.

3. Such other business as may come before the Board of Directors.

Dated: February 2, 2012

Kathy Y. Allavie
Clerk of the Board of Education of
Riverside Unified School District

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BYLAWS OF

RIVERSIDE UNIFIED SCHOOL DISTRICT FINANCING AUTHORITY

ARTICLE I

DEFINITIONS; OFFICES AND SEAL

Section 1. Definitions. All capitalized terms used herein shall have the respective meanings given such terms in the Joint Exercise of Powers Agreement Creating the Riverside Unified School District Financing Authority, dated November 1, 2011 (the "Agreement") by and between Riverside Unified School District (the "District") and Western Municipal Water District of Riverside County.

Section 2. Offices. The principal office of the Authority for the transaction of business shall be at 3380 Fourteenth Street, Riverside, California 92501. The Board may, however, by resolution change the principal office from one location to another within the District. The fixing or changing of such address shall not be deemed an amendment to these Bylaws.

ARTICLE II

BOARD

Section 1. Powers. Subject to the limitations of the Agreement, the terms of these Bylaws, and the laws of the State of California, the powers of the Authority shall be vested in and exercised by and its property controlled and its affairs conducted by the Board of the Authority.

Section 2. Number. The Board shall be composed of five (5) Directors who shall be the members of the Board of Education of the District. Each Director shall hold office for a term of four (4) years or until his or her successor is appointed by the Board of Education of the District, as appropriate.

Section 3. Compensation. Directors shall serve without compensation but each Director may be reimbursed his or her necessary and actual expenses, including travel incidental to his or her services as Director, pursuant to resolution of the Board. Any Director may elect, however, to decline said reimbursement.

Section 4. Regular Meetings. Regular meetings of the Board shall be held at such time as the Board may fix by resolution from time to time, and if any day so fixed shall fall upon a legal holiday, then, upon the next succeeding business day at the same hour. No notice of any regular meeting of the Board need be given to the Directors.

Section 5. Special Meetings. Special meetings of the Board shall be held whenever called by the Chairman, the Vice Chairman, or by a majority of the Board.

Section 6. Public Meetings; Notice of Meetings. All meetings and proceedings of the Board shall be subject to the provisions of the Ralph M. Brown Act, constituting Chapter 9

(commencing with Section 54950) of Part 1 of Division 2 of Title 5 of the Government Code of the State of California, and notice of the meetings of the Authority shall be given in accordance with such act.

Section 7. Consent to Meetings. The transactions of the Board at any meeting however called and noticed or wherever held, shall be as valid as though done at a meeting duly held after call and notice if a quorum is present and if either before or after the meeting each Director not present signs a written waiver of notice or a consent to the holding of such meeting or approval of the minutes thereof. All such waivers, consents or approvals shall be filed with the corporate records and made a part of the minutes of the meeting.

Section 8. Quorum. A quorum shall consist of a majority of the Directors unless a greater number is expressly required by statute, by the Agreement, or by these Bylaws. Every act or decision done or made by a majority of the Directors present at a meeting duly held at which a quorum is present, shall be the act of the Board.

Section 9. Order of Business. The order of business at the regular meeting of the Board and, so far as possible, at all other meetings of the Board, shall be essentially as follows, except as otherwise determined by the Directors at such meeting:

(a) Report on the number of Directors present in order to determine the existence of a quorum.

(b) Reading of the notice of the meeting and proof of the delivery or mailing thereof, or the waiver or waivers of notice of the meeting then filed, as the case may be.

(c) Reading of unapproved minutes of previous meetings of the Board and the taking of action with respect to approval thereof.

(d) Presentation and consideration of reports of officers and committees.

(e) Unfinished business.

(f) New business.

(g) Adjournment.

Section 10. Non-liability for Debts. The private property of the Directors shall be exempt from execution or other liability for any debts, liabilities or obligations of the Authority and no Director shall be liable or responsible for any debts, liabilities or obligations of the Authority.

Section 11. Indemnity by Authority for Litigation Expenses of Officer, Director or Employee. Should any Director, officer or employee of the Authority be sued, either alone or with others, because he or she is or was a Director, officer or employee of the Authority, in any proceeding arising out of his or her alleged misfeasance or nonfeasance in the performance of his

or her duties or out of any alleged wrongful act against the Authority or by the Authority, indemnity for his or her reasonable expenses, including attorneys' fees incurred in the defense of the proceeding, may be assessed against the Authority or its receiver by the court in the same or a separate proceeding if the person sued acted in good faith and in a manner such person reasonably believed to be in the best interests of the Authority and, in the case of a criminal proceeding, had no reasonable cause to believe the conduct of such person was unlawful. The amount of such indemnity shall equal the amount of the expenses, including attorneys' fees, incurred in the defense of the proceeding.

ARTICLE III

OFFICERS

Section 1. Officers. The officers of the Authority shall be a Chairman, a Vice Chairman, a Secretary, an Auditor-Treasurer and such other officers as the Board may appoint. When the duties do not conflict, one person, other than the Chairman, may hold more than one of these offices.

Section 2. Election of Officers. The Chairman, Vice Chairman and Secretary shall be chosen at every annual meeting of the Board, and each shall hold office until he or she shall resign or shall be removed, or otherwise shall be disqualified to serve or his successor shall be elected and qualified to serve.

Section 3. Subordinate Officers. The Board may elect or authorize the appointment of such other officers than those hereinabove mentioned as the business of the Authority may require, each of whom shall hold office for such period, have such authority and perform such duties as are provided in these Bylaws, or as the Board from time to time may authorize or determine.

Section 4. Removal of Officers. Any officer may be removed, either with or without cause, by a majority of the Directors then in office at any regular or special meeting of the Authority, or, except in the case of an officer chosen by the Board, by any officers upon whom such power of removal may be conferred by the Board. Should a vacancy occur in any office as a result of death, resignation, removal, disqualification or any other cause, the Board may delegate the powers and duties of such office to any officers or to any Directors until such time as a successor for said office has been elected or appointed.

Section 5. Chairman. The Chairman shall preside at all meetings of the Board and exercise and perform such other powers and duties as may be from time to time assigned to the Chairman by the Board or be prescribed by these Bylaws.

The Chairman shall also be the chief corporate officer of the Authority and shall, subject to the control of the Board, have general supervision, direction and control of the business and officers of the Authority. The Chairman shall preside at all meetings of the Board. The Chairman shall be *ex officio* member of all standing committees, and shall have the general powers and duties of management usually vested in the office of Chairman of a public corporation and shall have such other powers and duties as may be prescribed by the Board or by these Bylaws.

Section 6. Vice Chairman. In the absence or disability of the Chairman, the Vice Chairman shall perform all the duties of the Chairman and when so acting shall have all the powers of and be subject to all of the restrictions upon the Chairman. The Vice Chairman shall have such other powers and perform such other duties as may from time to time be prescribed for them, respectively, by the Board or by these Bylaws.

Section 7. Secretary. The Secretary shall keep or cause to be kept a book of minutes at the principal office or at such other place as the Board may order, of all meetings of the Directors, with the time and place of holding, whether regular or special, and if special, how authorized, the notice thereof given, the names of those present at Directors' meetings and the proceedings thereof. The Secretary shall give or cause to be given notice of all meetings of the Board of the Authority, shall keep the corporate records in safe custody and shall have such other powers and perform such other duties as may be prescribed by the Board or these Bylaws.

Section 8. Auditor-Treasurer, The Auditor-Treasurer shall have the powers and perform the duties prescribed by the Agreement.

ARTICLE IV

OBJECTS AND PURPOSES

Section 1. Nature of Objects and Purposes. The business of this Authority is to be operated and conducted in the promotion of its objects and purposes as set forth in the Agreement.

Section 2. Distribution of Assets During Continuance of Authority. During the continuance of the Authority, it may distribute any of its assets to the Members of the Authority. If for any reason the Members are unable or unwilling to accept the assets of the Authority, such assets shall be distributed to the federal government, or to a state or local government for public purposes, or to a nonprofit fund, foundation or corporation which is organized and operated exclusively for charitable purposes.

Section 3. Dissolution. The Authority may, with the approval of all of the Members, be dissolved by majority vote of the Directors if at the time of such dissolution the Authority has no outstanding indebtedness and is not a party to any outstanding material contracts. Upon the dissolution or termination of the Authority, and after payment or provision for payment, all debts and liabilities, the assets of the Authority shall be distributed to the Members of the Authority. If for any reason the Members are unable or unwilling to accept the assets of the Authority, said assets will be distributed to the federal government or to a state or local government for public purposes; or to a nonprofit fund, foundation, or corporation which is organized and operated for charitable purposes.

ARTICLE V

GENERAL PROVISIONS

Section 1. Payment of Money, Signatures. All checks, drafts or other orders for payment of money, notes or other evidences of indebtedness issued in the name of or payable to the

Authority and any and all securities owned by or held by the Authority requiring signature for transfer shall be signed or endorsed by the appointed treasurer of the Authority.

Section 2. Execution of Contracts. The Board, except as in the Agreement or in the Bylaws otherwise provided, may authorize any officer or officers, agent or agents, to enter into any contract or execute any contract or execute any instrument in the name of and on behalf of the Authority and such authority may be general or confined to specific instances and unless so authorized by the Board, no officer, agent or employee shall have any power or authority to bind the Authority by any contract or engagement or to pledge its credit or to render it liable for any purpose or in any amount.

Section 3. Fiscal Year. The fiscal year of the Authority shall commence on the 1st day of July of each year and shall end on the 30th day of June of the next succeeding year.

Section 4. Amendment of Bylaws. These Bylaws may be amended at any time and from time to time by majority vote of the Board.

_____
Chairman

ATTEST:

_____
Secretary

CERTIFICATION

I, Kathy Y. Allavie, Secretary of the Board of Directors of the Riverside Unified School District Financing Authority, certify that the foregoing Bylaws were duly adopted by the Board of Directors of the Authority at the organizational meeting of the Board of Directors held on January __, 2012, and that such bylaws have not been amended or repealed.

Dated: January __, 2012

_____
Kathy Y. Allavie, Secretary

RESOLUTION NO. 2011/12-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT FINANCING AUTHORITY APPROVING BYLAWS, DETERMINING DATES, TIME AND PLACE OF REGULAR MEETINGS, AND APPOINTING OFFICERS AND LEGAL ADVISOR

WHEREAS, it is necessary for the Board of Directors of the Riverside Unified School District Financing Authority (the "Authority") to approve bylaws for the Authority, appoint the officers of the Authority, and set the time and dates and place of holding the regular meetings of the Board of Directors (the "Board"); and

WHEREAS, there has been presented to the Board a document entitled Bylaws of Riverside Unified School District Financing Authority (the "Bylaws") and the Board has determined that those Bylaws should be approved and enacted;

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE BOARD OF DIRECTORS OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT FINANCING AUTHORITY AS FOLLOWS:

Section 1. Bylaws. The Bylaws in the form presented to the Board at the meeting at which this resolution is adopted are approved and enacted as the Bylaws of the Authority.

Section 2. Meetings. The regular meetings of the Board shall be held on the first and third Mondays of each month, as needed, commencing at 5:30 P.M., in the meeting room of the Board of Education of Riverside Unified School District at 6735 Magnolia Avenue, Riverside, California; provided that if there is no business to be conducted on any such regular meeting date, the Board need not convene any such regular meeting; and provided further that the Board shall hold at least one regular meeting in each fiscal year (*i.e.*, July 1 to June 30).

Section 3. Officers. The officers of the Authority shall be the Chairman, the Vice Chairman, the Secretary, the Executive Director, the Assistant Executive Director, and the Auditor and Treasurer. The Chairman and Vice Chairman shall be the President and Vice President, respectively, of the Board of Education of Riverside Unified School District (the "School District"), and the Secretary shall be the Clerk of the Board of Education of the School District. The Executive Director of the Authority shall be Superintendent of the School District and the Auditor and Treasurer of the Authority shall be the Deputy Superintendent, Business Services and Governmental Relations, of the School District. The Assistant Executive Director of the Authority shall be the Assistant Superintendent, Operations, of the School District.

Section 4. Legal Advisor Best Best & Krieger LLP, Riverside, California, is appointed legal advisor to the Authority.

PASSED AND ADOPTED by the Board of Directors of the Riverside Unified School District Financing Authority at its organizational meeting held on the __ day of January, 2012 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAINED:

_____

Secretary of the Riverside Unified
School District Financing Authority

STATE OF CALIFORNIA)
) ss.
COUNTY OF RIVERSIDE)

I, Kathy Y. Allavie, Secretary of the Riverside Unified School District Financing Authority, do hereby certify that the above and foregoing is a full, true and correct copy of Resolution No. 2011/12-1 of the Board of Directors of the Riverside Unified School District Financing Authority, and that the same has not been amended or repealed.

Dated: _____, 2012.

_____
Secretary of the Riverside Unified
School District Financing Authority

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	Presentation of the Riverside County Office of Education's Academic/Athletic Team Award to the John W. North High School Girls' Tennis Team
Presented by:	Dr. William Ermert, Assistant Superintendent, Instructional Services
Responsible Cabinet Member:	Dr. William Ermert, Assistant Superintendent, Instructional Services
Type of Item:	Presentation
Short Description:	The Riverside County Office of Education will present the Academic/Athletic Team Award to the John W. North High School Girls' Tennis Team.

DESCRIPTION OF AGENDA ITEM:

The Riverside County Office of Education will recognize the John W. North Girls' Tennis Team with the Academic/Athletic Award. This award is given to high school athletic teams that post the highest grade point averages among athletes in the same sport through Riverside County. The North Girls' Tennis Team posted an average GPA of 4.15.

FISCAL IMPACT: None

RECOMMENDATION: Presentation only. No action is requested.

ADDITIONAL MATERIAL: None

RIVERSIDE UNIFIED SCHOOL DISTRICT
MINUTES OF THE REGULAR MEETING OF THE BOARD OF EDUCATION
TUESDAY, JANUARY 17, 2012
BOARD ROOM
6735 MAGNOLIA AVENUE, RIVERSIDE, CALIFORNIA

CALL THE MEETING TO ORDER
Mrs. Cloud, Board President, called the meeting to order at 3:02 p.m.

MEMBERS PRESENT
Mrs. Gayle Cloud, President; Dr. Charles L. Beaty, Vice President; Mrs. Kathy Y. Allavie Clerk; Mr. Tom Hunt, Member; and Mrs. Patricia Lock-Dawson, Member.

Also present were District Superintendent, Dr. Rick L. Miller, members of the staff, and other interested citizens.

STUDY SESSION
High School Athletic Facilities Master Plan Project Bids for Arlington, Ramona, and Riverside Polytechnic High Schools
Dr. Kirk Lewis, Assistant Superintendent, Operations, reviewed a PowerPoint presentation and provided information regarding the High School Athletic Facilities Master Plan Project Bids for Arlington, Ramona, and Riverside Polytechnic High Schools.

Mr. Brian Jaramillo, Tilden-Coil Constructors, and Mr. Ronald Kuehl, Neff Construction, provided additional information as needed for the Board members.

PUBLIC PARTICIPATION ON CLOSED SESSION MATTERS
The Board adjourned to Closed Session at 4:00 p.m.

CLOSED SESSION
1. Consideration of Pupil Services Matters Pursuant to Education Code Sections 35146 and 48918
2. Conference With Labor Negotiator Pursuant to Government Code Section 54957.6
   District Representative: Rick L. Miller, Ph.D., District Superintendent
   Employee Organizations: Riverside City Teachers Association
   California School Employees Association
3. Conference With Legal Counsel – Anticipated Litigation
   Significant Exposure to Litigation Pursuant to Government Code Section 54956.9(b) (3 Cases)

RECONVENE OPEN SESSION
The Board reconvened in Open Session at 5:36 p.m. Mrs. Cloud announced that the Board unanimously approved the settlement agreement of Mrs. Kathleen Sanchez.

RAMONA HIGH SCHOOL MARINE JROTC COLOR GUARD PRESENTATION

PLEDGE OF ALLEGIANCE
The Pledge of Allegiance to our flag was led by Jocelyn Mares, 6th grade Madison Elementary School student.

GROUP PERFORMANCE
Mrs. Beth Waddell and students from Sierra Middle School's Art class presented works of art and reviewed a video presentation with the Board of Education.

SECTION A– PRESENTATIONS
A.1 Reports by Ramona, John W. North, and Riverside Polytechnic High Schools
A.2 RASM Presentation by Lynn McCown, President, Riverside Association of School Managers
A.3 Riverside Council PTA Presentation by Marilyn Orens, President
A.4 CSEA Presentation by Richard Carpenter, President, Riverside Unified School District, Chapter #506
A.5 RCTA Presentation by Tim Martin, President, Riverside City Teachers Association
A.6 Presentation of the California School Public Relations Association's Presidents' Choice Award to the Riverside Unified School District
A.7 Recognition of Riverside Unified School District's History/Social Science Educators of Excellence
A.8 Neff Construction's Donation of an Antique Chair to the Mission Inn Foundation
A.9 Scheduled Communications
There were no requests to speak to the Board of Education.

The Board members agreed to move Item D.1 forward in the agenda.

D.1 Sacramento Update
Mrs. Cloud introduced Mr. Jeff Frost, Frost, Davis & Donnelly, who provided a handout and presented an update on Sacramento legislative and fiscal topics, and answered questions for the Board of Education.

SECTION B – SUBCOMMITTEE REPORTS
B.1 Board Operations Subcommittee Report
The Board of Education received a report from Mr. Hunt on behalf of the Board Operations Subcommittee.
B.2 Board Finance Subcommittee Report
The Board of Education received a report from Dr. Beaty on behalf of the Board Finance Subcommittee.

SECTION C – CONSENT
Approval of the Consent Calendar was moved by Mr. Hunt and seconded by Dr. Beaty and unanimously approved by members present. Items in the Consent Calendar have been published with the agenda and copies are on file in the District administrative offices.

SECTION D – REPORT/DISCUSSION

D.2 Beginning Teacher Support and Assessment (BTSA) Induction Program Update

Mrs. Judi Paredes, Assistant Superintendent, Instructional Services, introduced Ms. Barbara Libolt, Instructional Services Specialist, who presented a PowerPoint overview of Riverside Unified School District's Beginning Teacher Support and Assessment Induction Program.

The Board took a break from 8:00 p.m. to 8:13 p.m.

SECTION E – PUBLIC HEARING

E.1 Public Hearing – Charter School Petition Review

Mrs. Cloud opened the public hearing at 8:14 p.m.

Mrs. Gloria Cowder, Director, Program Development and Extended Learning Opportunities, stated that the Board of Education was required to hold a public hearing pursuant to California Education Code Section 47605(b), to consider the level of support for a petition filed for the REACH Leadership Academy School of Math, Science, and Technology.

Mrs. Cowder introduced Dr. Virgie Rentie, Lead Petitioner, with REACH Leadership Academy School, who discussed the school and reviewed the changes that have been made to the petition.

Mr. Wade Walters, Mr. David and Gracie Breslin, Mr. Eduardo Aguilar, Ms. Esperanza Montalvo, Ms. Mayte Peréz (translator Ms. Martha Nolasco), Ms. Ashley Peebles, Ms. Kelly Theofanis, and Dr. Richard Hansberger, spoke to the Board members in favor of REACH Leadership Academy.

Mrs. Cloud closed the public hearing at 8:37 p.m.

SECTION F – ACTION

F.1 2010-2011 Annual Financial Report and Audit

Mr. Fine noted that State law requires that each year the financial records of the District be audited by an independent third party audit firm and that the Governing Board review the annual financial report and audit at a public meeting.

Mr. Fine introduced Mr. Brian Ruff, Partner, Vavrinek, Trine, Day & Co, LLP, who reviewed the financial report and audit for the Board members.

The item was moved by Dr. Beaty and seconded by Mr. Hunt and unanimously approved by members present.

F.2 High School Athletic Facilities Master Plan Project Bids for Arlington, Ramona, and Riverside Polytechnic High Schools

The bids for the High School Athletic Facilities Master Plan Projects for Arlington, Ramona, and Riverside Polytechnic High Schools were presented for Board approval.

F.3 Award of Bids for Ramona High School Aquatics and Tennis Facilities Upgrade Project
The Board of Education was being asked to consider awarding bids for multiple categories of construction trades at Ramona High School as part of the Aquatics and Tennis Facilities Upgrade Project.

F.4 Award of Bids for Arlington High School Athletic Field Upgrades Project
The Board of Education was being asked to consider awarding bids for multiple categories of construction trades at Arlington High School as part of the Athletic Field Upgrades Project.

F.5 Award of Bids for Riverside Polytechnic High School Field Upgrades and Pool Project
The Board of Education was being asked to consider awarding bids for multiple categories of construction trades at Riverside Polytechnic High School as part of the Field Upgrades and Pool Project.

It was moved by Mr. Hunt and seconded by Dr. Beaty and unanimously approved by members present to combine Items F.2 through F.5 into one motion.

It was moved by Mr. Hunt and seconded by Dr. Beaty and unanimously approved by members present to approve Items F.2 through F.5 as recommended by the Operations Board Subcommittee.

F.6 Approval of Tentative Agreement Between Riverside Unified School District and Its Employees Represented by the California School Employees Association, Chapter 506
Mr. Fine said that it was being recommended to the Board of Education to approve the Tentative Agreement for employees represented by the California School Employees Association, Chapter 506.

The item was moved by Mr. Hunt and seconded by Dr. Beaty and unanimously approved by members present.

F.7 Approval of an Early Notice of Separation Incentive Program for Certificated Bargaining Unit Employees
Mr. Fine indicated that the Board of Education was being asked to consider approving an Early Notice of Separation Incentive Program for Certificated Bargaining Unit employees.

The item was moved by Dr. Beaty and seconded by Mrs. Allavie and unanimously approved by members present.

F.8 Approval of an Early Notice of Separation Incentive Program for Management/Confidential/Supervisory Employees
Mr. Fine stated that the Board of Education was being asked to consider approving an Early Notice of Separation Incentive Program for Management/Confidential/ Supervisory employees.

The item was moved by Dr. Beaty and seconded by Mrs. Allavie and unanimously approved by members present.

F.9 Attendance Area Adjustment Between Liberty and Monroe Elementary Schools

Dr. Lewis introduced Ms. Janet Dixon, Director, Facilities Planning who discussed that the Board of Education was being asked to approve the transfer of a portion of the Liberty Elementary School attendance area to Monroe Elementary School.

The item was moved by Dr. Beaty and seconded by Mr. Hunt and unanimously approved by members present.

SECTION G – UNSCHEDULED COMMUNICATIONS

There were no requests to speak to the Board of Education.

SECTION H – CONCLUSION

H.1 Board Members' Comments

Mr. Hunt discussed his concerns about high school athletics, and thanked Mrs. Cloud for agreeing to the recent appointment of the Student Activities Subcommittee. He mentioned an Education Subcommittee meeting that he and Dr. Miller attended on January 11, at the Western Riverside Council of Governments (WRCOG) that included the City Manager and educators. He said the meeting contained very powerful discussion tying economic growth directly to K-12 education. He noted the importance that City Council needs to dialog with the school Districts.

Dr. Beaty said that he joined in Patricia Beatty Elementary School's Start Your Day R.I.G.H.T. (Breakfast Program) and Pajama Party Celebration. On Monday, January 16, Dr. Beaty participated in the 19th Annual Martin Luther King Walk-A-Thon, along with lots of kids – he said there was a great turn out for the event. He attended the Conversation With the Superintendent held at Central Middle School on January 11, and the Riverside Educational Enrichment Foundation (REEF) Grant Reception on January 9. He said the reception was one of the best managed receptions ever.

Mrs. Allavie reported that the Middle School Art Show is scheduled for April 14, and that awards will be presented. She voiced her concerns that two schools still do not have art classes, and she is hoping that this will be resolved by next year.

Mrs. Lock-Dawson said at the Riverside Art Museum she recently saw a Lunar Festival exhibit and all of the awards were for Alvord Unified School District students (mostly from one school). She discussed a meeting she attended with Ms. Pam Clute, University of California, Riverside (UCR), and there was some discussion regarding a regional STEM (Science, Technology, Engineering, and Mathematics) Conference.

Mrs. Cloud agreed that the REEF Grant awards were great. She complimented *The Press-Enterprise* regarding their recent editorials.

H.2 Superintendent's Announcements

Dr. Miller reported that he also participated in the 19th Annual Martin Luther King Walk-A-Thon, and he noted that three of our schools Martin Luther King, Riverside Polytechnic, and John W. North High Schools were well represented with students and teachers. He said the REEF Grant event went very well the other evening, and he noted that staff is finishing up the elementary Principals' Summits.

H.3 Next Board Meeting: February 6, 2012

ADJOURNMENT
Mrs. Cloud adjourned the Public Session at 9:47 p.m., in memory of Richard Gabriel, former principal and Assistant Superintendent of Personnel; James Grant, former chemistry teacher and school administrator; Martha King, former Arlington High School Mathematics teacher; and Dorothy Schroeder Sirrine, former Mountain View Elementary School teacher.

Kathy Allavie
Clerk
Board of Education

RIVERSIDE UNIFIED SCHOOL DISTRICT
MINUTES OF THE SPECIAL BOARD OF EDUCATION MEETING
HELD JANUARY 21, 2012
PACHAPPA ELEMENTARY SCHOOL LIBRARY
6200 RIVERSIDE AVENUE, RIVERSIDE, CALIFORNIA

CALL MEETING TO ORDER
Mrs. Cloud, Board President, called the Special Board meeting to order at 8:03 a.m.

MEMBERS PRESENT
Mrs. Gayle Cloud, President; Dr. Charles L. Beaty, Vice President; Mrs. Kathy Y. Allavie Clerk; Mr. Tom Hunt, Member; and Mrs. Patricia Lock-Dawson, Member.

Also present were District Superintendent Dr. Rick L. Miller, Ms. Gloria Johnston, and staff.

SECTION A – GOVERNANCE TEAM WORKSHOP

EXPECTED OUTCOMES:
- Adopt Meeting Norms
- Legacy Sharing
- Adopt Protocols
- Plan Future Workshops

A.1 Introductions and Join Up
A.2 Agenda Review
A.3 Set Meeting Norms
A.4 Legacy Share
A.5 Scenario Discussions
A.6 Bio Break
A.7 Establish Protocols
A.8 Plan Future Workshops
A.9 Evaluation

SECTION B – UNSCHEDULED COMMUNICATIONS
There were no requests to speak to the Board of Education.

SECTION C – CONCLUSION
C.1 Board Members' – Comments
There were no comments made by Board members.

ADJOURNMENT
Mrs. Cloud adjourned the Public Session at 11:56 a.m.

Kathy Allavie
Clerk
Board of Education

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic: Warrant List No.11

Presented by: Rita Paris, Account Clerk, Business Services

Responsible Cabinet Member: Mike Fine, Deputy Superintendent, Business Services and Governmental Relations

Type of Item: Consent

Short Description: The payment for the purchase of goods, materials, and services is done in school districts with checks called warrants. Warrant lists are presented to the Board of Education for ratification.

DESCRIPTION OF AGENDA ITEM:

B-Warrants in excess of $2,000 issued since last period. Invoices for the claims have been checked and audited by the Business Office. Warrants for the claims have been prepared.

FISCAL IMPACT: $ 8,270,654.86

RECOMMENDATION: It is recommended that the Board approve the warrants.

ADDITIONAL MATERIAL: Warrant List No. 11

Attached: Yes

RIVERSIDE UNIFIED SCHOOL DISTRICT

Commercial Warrant Listing 2011 - 2012

February 6, 2012

B-Warrants In Excess of $2,000.00 Issued Since Last Period

Claim	Date	Fund	Warrant	Vendor Name	Claim Amount
GENERAL FUND UNRESTRICTED 03					
189608	12/12/2011	03	14139955	STUDENT TRANSPORTATION OF AMERICA	$5,721.12
189615	12/12/2011	03	14139962	STUDENT TRANSPORTATION OF AMERICA	$17,826.04
189617	12/12/2011	03	14139964	STUDENT TRANSPORTATION OF AMERICA	$51,677.19
189629	12/12/2011	03	14139976	XEROX CORPORATION	$63,650.00
189633	12/12/2011	03	14139980	WESTERN MUNICIPAL WATER DISTRICT	$5,989.12
189642	12/12/2011	03	14139989	VISUAL DESIGN CONCEPTS	$2,130.00
189650	12/12/2011	03	14139997	QUIEL BROS	$11,599.51
189658	12/12/2011	03	14140005	COPYLITE INC	$9,700.92
189679	12/12/2011	03	14140026	APPLE COMPUTER INC-AUSTIN	$2,035.38
189680	12/12/2011	03	14140027	AREY JONES EDUCATIONAL SOLUTIONS	$2,901.85
189701	12/12/2011	03	14140048	AT&T	$11,443.05
189723	12/13/2011	03	14141033	AREY JONES EDUCATIONAL SOLUTIONS	$2,184.10
189788	12/13/2011	03	14141097	THE GAS COMPANY	$10,585.35
189790	12/13/2011	03	14141099	VIRCO MANUFACTURING	$21,665.03
189818	12/14/2011	03	14142709	SCHOOL SPACE SOLUTIONS, INC.	$12,933.79
189860	12/14/2011	03	14142751	COPYLITE INC	$4,070.00
189862	12/14/2011	03	14142753	COPYLITE INC	$2,220.00
189919	12/14/2011	03	14142809	FAGEN FRIEDMAN & FULFROST, LLP	$4,369.22
189955	12/15/2011	03	14143918	IPMTECH PEST MANAGEMENT	$3,400.00
189956	12/15/2011	03	14143919	TURNITIN	$4,935.00
189983	12/15/2011	03	14143946	PEDERSEN, PHD, JOHN E.	$4,000.00
190064	12/16/2011	03	14145227	PALI INSTITUTE	$2,000.00
190092	01/03/2012	03	14151214	AREY JONES EDUCATIONAL SOLUTIONS	$4,867.03
190113	01/04/2012	03	14152655	SOUTHERN CALIFORNIA EDISON CO	$13,301.17
190114	01/04/2012	03	14152656	WESTERN MUNICIPAL WATER DISTRICT	$7,638.10
190124	01/04/2012	03	14152666	CAMBIUM LEARNING, INC.	$3,500.00
190129	01/04/2012	03	14152671	CANON BUSINESS SOLUTIONS, INC., WEST	$2,962.79
190133	01/04/2012	03	14152675	US POSTAL SERVICE	$50,000.00
190136	01/04/2012	03	14152678	ACHIEVE NOW SCIENCE	$2,290.00
190137	01/04/2012	03	14152679	SOUTH COUNTIES EMPLOYER EMPLOYEE TRUST	$44,605.29
190194	01/05/2012	03	14152905	NATIONAL UNIVERSITY	$20,011.27
190204	01/05/2012	03	14152915	RIVERSIDE GATEWAY TO COLLEGE	$14,499.75
190210	01/05/2012	03	14152921	PROJECT LEAD THE WAY	$9,392.56
190215	01/05/2012	03	14152926	ROSSI CONCRETE, INC.	$15,717.41
190219	01/06/2012	03	14154074	GRAHAM, JILL C	$6,000.00
190226	01/06/2012	03	14154081	ULTIMATE IMAGING PRODUCTS, LLC	$3,994.83
190232	01/06/2012	03	14154087	RIVERSIDE, CITY OF	$3,696.00

190233	01/06/2012	03	14154088	SPICERS PAPER	$22,704.28
190237	01/06/2012	03	14154092	RIVERSIDE, CITY OF	$3,326.40
190252	01/06/2012	03	14154107	STANLEY SECURITY SOLUTIONS	$2,561.26
190253	01/06/2012	03	14154108	SCHOOL SPACE SOLUTIONS, INC.	$5,591.98
190268	01/06/2012	03	14154123	AT&T	$27,960.32
190269	01/06/2012	03	14154124	AT&T MOBILITY	$5,205.27
190275	01/06/2012	03	14154130	AGUA MANSA MRF, LLC	$8,997.92
190380	01/09/2012	03	14154765	MEDINA PEST CONTROL	$4,930.00
190435	01/10/2012	03	14156750	PEAK EXPECTATIONS	$2,919.91
190461	01/10/2012	03	14156776	STUDENT TRANSPORTATION OF AMERICA	$29,309.90
190463	01/10/2012	03	14156778	STUDENT TRANSPORTATION OF AMERICA	$4,295.50
190496	01/11/2012	03	14157052	RIVERSIDE, CITY OF	$5,542.92
190533	01/12/2012	03	14158138	WAXIE SANITARY SUPPLY	$19,812.58
190536	01/12/2012	03	14158141	HOUGHTON MIFFLIN CO.	$39,780.40
190558	01/12/2012	03	14158163	APPLE COMPUTER INC-AUSTIN	$3,514.18
190563	01/12/2012	03	14158168	IMPACT IMAGES, INC.	$2,341.06
190565	01/12/2012	03	14158170	ALL COUNTIES FENCE & SUPPLY	$20,625.11
190575	01/12/2012	03	14158180	AREY JONES EDUCATIONAL SOLUTIONS	$7,098.40
190579	01/12/2012	03	14158184	CONSOLIDATED FABRICATORS CORP.	$5,447.27
190582	01/12/2012	03	14158187	APPLE COMPUTER INC-AUSTIN	$3,216.34
190585	01/12/2012	03	14158190	LFRANKBAILEY COMMUNICATIONS	$2,500.00
190600	01/12/2012	03	14158205	STATE OF CA/DEPT. JUSTICE	$3,376.00
190617	01/12/2012	03	14158222	BB&T INSURANCE SERVICES OF CALIFORNIA, INC	$4,166.66
190648	01/13/2012	03	14159098	STUDENT TRANSPORTATION OF AMERICA	$35,977.98
190649	01/13/2012	03	14159099	INLAND BASKETBALL OFFICIALS ASSOC.	$2,500.00
190666	01/13/2012	03	14159116	GRESHAM SAVAGE NOLAN & TILDEN	$37,547.81
190682	01/13/2012	03	14159132	HOUGHTON MIFFLIN CO.	$3,149.37
				TOTAL FOR FUND 03	**$773,911.69**

GENERAL FUND RESTRICTED 06

189585	12/12/2011	06	14139932	GRILLO'S FILTER SALES	$2,767.28
189589	12/12/2011	06	14139936	MEDLEY FIRE SPRINKLER COMPANY	$8,800.00
189598	12/12/2011	06	14139945	CODY EDUCATIONAL ENTERPRISES, INC.	$25,836.32
189599	12/12/2011	06	14139946	CAROLYN E. WYLIE CENTER	$12,289.05
189622	12/12/2011	06	14139969	APPLE COMPUTER INC-AUSTIN	$2,193.54
189627	12/12/2011	06	14139974	RIVERSIDE ARTS COUNCIL	$8,466.67
189632	12/12/2011	06	14139979	RUSSO, FLECK AND ASSOCIATES	$103,805.39
189640	12/12/2011	06	14139987	PATHWAY COMMUNICATIONS LTD	$3,481.61
189643	12/12/2011	06	14139990	PROJECT LEAD THE WAY	$5,274.76
189645	12/12/2011	06	14139992	TMA SYSTEMS, LLC	$6,741.75
189646	12/12/2011	06	14139993	VALLEY CITIES / GONZALES FENCE INC.	$11,100.00
189649	12/12/2011	06	14139996	AREY JONES EDUCATIONAL SOLUTIONS	$2,901.85
189684	12/12/2011	06	14140031	AREY JONES EDUCATIONAL SOLUTIONS	$20,914.02
189687	12/12/2011	06	14140034	AREY JONES EDUCATIONAL SOLUTIONS	$85,240.81
189688	12/12/2011	06	14140035	ACCUVANT, INC.	$2,464.52

189709	12/13/2011	06	14141019	ACADEMY BUSINESS SERVICES	$143,764.65
189720	12/13/2011	06	14141030	CAROLINA BIOLOGICAL	$2,284.90
189722	12/13/2011	06	14141032	CORE KNOWLEDGE FOUNDATION	$5,514.77
189731	12/13/2011	06	14141041	AMBERWICK CORPORATION	$4,865.66
189735	12/13/2011	06	14141045	ADI	$3,055.36
189736	12/13/2011	06	14141046	APPLE VALLEY COMMUNICATIONS, INC.	$2,221.27
189749	12/13/2011	06	14141059	POWELL PIPE SUPPLY	$5,742.72
189756	12/13/2011	06	14141066	SAN DIEGO COUNTY OFFICE OF ED	$2,400.00
189777	12/13/2011	06	14141086	PAINTING AND DECOR, LTD	$6,300.00
189780	12/13/2011	06	14141089	PATON GROUP, INC.	$2,493.25
189782	12/13/2011	06	14141091	WISSLEAD, JAMES MICHAEL	$3,571.91
189793	12/13/2011	06	14141102	AUTISM BEHAVIOR CONSULTANTS	$11,246.09
189794	12/13/2011	06	14141103	AUTISM BEHAVIOR CONSULTANTS	$12,540.49
189795	12/13/2011	06	14141104	AUTISM BEHAVIOR CONSULTANTS	$23,504.97
189796	12/13/2011	06	14141105	AUTISM BEHAVIOR CONSULTANTS	$29,876.22
189798	12/13/2011	06	14141107	CALIFORNIA COMMERCIAL POOLS, INC.	$2,039.40
189801	12/14/2011	06	14142692	SCHOOL BASED REIMBURSEMENT PARTNERS LL(	$8,922.57
189804	12/14/2011	06	14142695	SIEMENS INDUSTRY, INC.	$4,176.16
189806	12/14/2011	06	14142697	THE WARE GROUP, INC.	$13,000.00
189836	12/14/2011	06	14142727	GREAT SOURCE	$20,906.13
189911	12/14/2011	06	14142801	APPLE COMPUTER INC-AUSTIN	$19,591.86
189925	12/14/2011	06	14142815	COYNE & ASSOCIATES EDUCATION CORP.	$59,110.85
189930	12/14/2011	06	14142820	CENTEN CONSULTING, LLC	$4,820.29
189935	12/14/2011	06	14142825	CATAPULT LEARNING WEST, LLC	$27,027.63
189965	12/15/2011	06	14143928	LEADING EDGE LEARNING CENTER	$5,001.00
189984	12/15/2011	06	14143947	RUSSO, FLECK AND ASSOCIATES	$99,305.39
189988	12/15/2011	06	14143951	UCR REGENTS	$5,500.00
189989	12/15/2011	06	14143952	SOCO GROUP, INC.	$11,947.42
190065	12/16/2011	06	14145228	HARRIS, DENNIS L.	$3,066.67
190067	12/16/2011	06	14145230	PEARSON EDUCATION, INC.	$2,118.08
190071	12/16/2011	06	14145234	SUNDOWN WINDOW TINTING	$2,101.13
190085	01/03/2012	06	14151207	DUGMORE & DUNCAN OF CALIFORNIA	$5,736.69
190093	01/03/2012	06	14151215	AREY JONES EDUCATIONAL SOLUTIONS	$6,552.74
190094	01/03/2012	06	14151216	AREY JONES EDUCATIONAL SOLUTIONS	$14,232.69
190095	01/03/2012	06	14151217	AREY JONES EDUCATIONAL SOLUTIONS	$28,227.94
190119	01/04/2012	06	14152661	NAPA AUTO PARTS	$5,282.21
190134	01/04/2012	06	14152676	ACCUVANT, INC.	$9,228.66
190147	01/04/2012	06	14152689	US AIR CONDITIONING	$2,120.00
190176	01/05/2012	06	14152887	HEWLETT PACKARD-STL GOVT. SALES	$3,795.79
190227	01/06/2012	06	14154082	OAK GROVE INSTITUTE	$19,632.18
190228	01/06/2012	06	14154083	OAK GROVE INSTITUTE	$67,794.85
190231	01/06/2012	06	14154086	RIVERSIDE, COUNTY OF	$6,954.00
190238	01/06/2012	06	14154093	RUSSO, FLECK AND ASSOCIATES	$39,721.36
190241	01/06/2012	06	14154096	SOMERSET EDUCATIONAL SERVICES INC.	$56,562.98

190242	01/06/2012	06	14154097	STARTING GATE EDUCATIONAL SERVICES	$106,912.62
190244	01/06/2012	06	14154099	TACKABERY, TOM & JULIE	$11,035.01
190250	01/06/2012	06	14154105	SACRAMENTO CONVENTION & VISITORS BUREAU	$3,029.70
190254	01/06/2012	06	14154109	SIEMENS INDUSTRY, INC.	$24,411.00
190262	01/06/2012	06	14154117	LOLLIPOP & ASSOCIATES	$2,025.00
190267	01/06/2012	06	14154122	NORTHWEST EVALUATION ASSOCIATION	$9,640.00
190279	01/06/2012	06	14154134	CAROLYN E. WYLIE CENTER	$3,264.00
190281	01/06/2012	06	14154136	ALTERNATIVES UNLIMITED, INC.	$12,061.35
190297	01/06/2012	06	14154152	CABE	$2,775.00
190300	01/06/2012	06	14154155	LIBOLT, BARBARA O	$2,229.05
190312	01/06/2012	06	14154163	SCHOOL BASED REIMBURSEMENT PARTNERS LL(	$6,977.69
190315	01/06/2012	06	14154164	SOCO GROUP, INC.	$17,430.76
190330	01/09/2012	06	14154716	LEADING EDGE LEARNING CENTER	$6,754.00
190332	01/09/2012	06	14154718	APPLE COMPUTER INC-AUSTIN	$2,245.41
190334	01/09/2012	06	14154720	ADAPTIVEMALL.COM, LLC	$2,320.85
190389	01/10/2012	06	14156706	ISTE	$2,366.00
190456	01/10/2012	06	14156771	HMC ARCHITECTS	$21,977.37
190473	01/10/2012	06	14156788	CALIFORNIA COMMERCIAL POOLS, INC.	$23,567.20
190486	01/11/2012	06	14157042	ACADEMY BUSINESS SERVICES	$57,058.64
190502	01/11/2012	06	14157058	THE WARE GROUP, INC.	$15,000.00
190504	01/11/2012	06	14157060	VORTEX INDUSTRIES INC.	$2,694.00
190557	01/12/2012	06	14158162	APPLE COMPUTER INC-AUSTIN	$8,390.22
190562	01/12/2012	06	14158167	CLARIDGE PRODUCTS AND EQUIPMENT, INC.	$2,525.24
190571	01/12/2012	06	14158176	BEAR COM	$5,413.73
190574	01/12/2012	06	14158179	AREY JONES EDUCATIONAL SOLUTIONS	$5,803.71
190578	01/12/2012	06	14158183	B&H PHOTO	$5,058.99
190587	01/12/2012	06	14158192	AVID CENTER	$2,625.00
190588	01/12/2012	06	14158193	SCHOOL BASED REIMBURSEMENT PARTNERS LL(	$2,486.03
190619	01/12/2012	06	14158224	COYNE & ASSOCIATES EDUCATION CORP.	$34,647.66
190625	01/12/2012	06	14158230	COYNE & ASSOCIATES EDUCATION CORP.	$31,125.24
190627	01/12/2012	06	14158232	BLIND CHILDREN'S LEARNING CENTER	$2,770.50
190629	01/12/2012	06	14158234	COASTAL EDUCATIONAL SERVICES	$2,950.00
190644	01/13/2012	06	14159094	STUDENT TRANSPORTATION OF AMERICA	$8,917.94
190645	01/13/2012	06	14159095	STUDENT TRANSPORTATION OF AMERICA	$12,668.20
190646	01/13/2012	06	14159096	STUDENT TRANSPORTATION OF AMERICA	$51,012.65
190647	01/13/2012	06	14159097	STUDENT TRANSPORTATION OF AMERICA	$17,345.94
190653	01/13/2012	06	14159103	SOMERSET EDUCATIONAL SERVICES INC.	$42,208.78
190655	01/13/2012	06	14159105	OAK GROVE INSTITUTE	$16,733.86
190656	01/13/2012	06	14159106	#1 AT-HOME TUTORS, INC.	$4,230.72
190657	01/13/2012	06	14159107	1 ON 1 LEARNING WITH LAPTOPS	$14,710.50
190658	01/13/2012	06	14159108	OAK GROVE INSTITUTE	$15,974.16
190659	01/13/2012	06	14159109	PROFESSIONAL TUTORS OF AMERICA	$16,915.00
190662	01/13/2012	06	14159112	UROK LEARNING INSTITUTE	$5,300.00
190663	01/13/2012	06	14159113	RIVERSIDE, COUNTY OF	$4,750.00

190684	01/13/2012	06	14159134	JPC VENTURES INC.	$15,665.79
190700	01/13/2012	06	14159150	RIVERSIDE COUNTY OFFICE OF ED.	$6,420.00
190707	01/13/2012	06	14159157	AUTISM SPECTRUM CONSULTANTS, INC.	$16,780.45
190708	01/13/2012	06	14159158	AMTECH ELEVATORS	$2,030.00
190709	01/13/2012	06	14159159	AMTECH ELEVATORS	$3,490.95
190710	01/13/2012	06	14159160	ALPHA LEARNING CENTER	$4,016.10
190712	01/13/2012	06	14159162	ACADEMIC TUTORING SERVICE	$2,535.00
190713	01/13/2012	06	14159163	BRAIN HURRICANE, LLC	$23,005.50
190716	01/13/2012	06	14159166	BASIC EDUCATIONAL SERVICES TEAM	$2,221.38
190718	01/13/2012	06	14159168	COMMUNITY COLLEGE FOUNDATION	$2,795.00
190721	01/13/2012	06	14159171	ACADEMIC ADVANTAGE	$3,677.75
190722	01/13/2012	06	14159172	CAROLYN E. WYLIE CENTER	$10,850.17
190723	01/13/2012	06	14159173	CODY EDUCATIONAL ENTERPRISES, INC.	$21,211.69
190725	01/13/2012	06	14159175	CENTEN CONSULTING, LLC	$4,820.29
190727	01/13/2012	06	14159177	CENTER FOR AUTISM C.A.R.D.	$28,314.29
190728	01/13/2012	06	14159178	CENTER FOR AUTISM C.A.R.D.	$17,318.45
190730	01/13/2012	06	14159180	CENTER FOR AUTISM C.A.R.D.	$37,291.55
190731	01/13/2012	06	14159181	CENTER FOR AUTISM C.A.R.D.	$38,316.51
				TOTAL FOR FUND 06	**$2,007,236.09**

ADULT EDUCATION FUND 11

190177	01/05/2012	11	14152888	HEWLETT PACKARD-STL GOVT. SALES	$2,909.27
				TOTAL FOR FUND 11	**$2,909.27**

CAFETERIA SPECIAL REVENUE FUN

189921	12/14/2011	13	14142811	HOLLANDIA DAIRY	$48,690.96
189922	12/14/2011	13	14142812	DOUG POWELL	$3,236.00
189941	12/14/2011	13	14142831	GOLD STAR FOODS, INC.	$2,804.21
189950	12/14/2011	13	14142840	GOLD STAR FOODS, INC.	$2,025.56
190013	12/16/2011	13	14145178	A & R WHOLESALE DISTRIBUTORS INC	$6,890.88
190014	12/16/2011	13	14145179	AMERICAN PAPER AND PLASTICS, INC.	$9,704.27
190015	12/16/2011	13	14145180	AMERICAN TEX-CHEM CORP.	$3,148.29
190018	12/16/2011	13	14145183	DEMATTEO'S PIZZA	$2,604.00
190019	12/16/2011	13	14145184	FRESH START BAKERIES NORTH AMERICA	$3,256.00
190020	12/16/2011	13	14145185	GOLD STAR FOODS, INC.	$4,604.03
190023	12/16/2011	13	14145188	GOLD STAR FOODS, INC.	$2,746.92
190031	12/16/2011	13	14145196	GOLD STAR FOODS, INC.	$4,113.36
190033	12/16/2011	13	14145198	GOLD STAR FOODS, INC.	$5,389.25
190034	12/16/2011	13	14145199	GOLD STAR FOODS, INC.	$4,399.04
190036	12/16/2011	13	14145201	GOLD STAR FOODS, INC.	$17,099.09
190037	12/16/2011	13	14145202	GOLD STAR FOODS, INC.	$13,330.88
190039	12/16/2011	13	14145204	P & R PAPER SUPPLY	$6,514.10
190041	12/16/2011	13	14145206	GOLD STAR FOODS, INC.	$28,440.47
190042	12/16/2011	13	14145207	GOLD STAR FOODS, INC.	$43,073.35
190044	12/16/2011	13	14145209	GOLD STAR FOODS, INC.	$18,638.08
190045	12/16/2011	13	14145210	AMERICAN PAPER AND PLASTICS, INC.	$7,690.54

190046	12/16/2011	13	14145211	AMERICAN TEX-CHEM CORP.	$2,781.60
190049	12/16/2011	13	14145214	P & R PAPER SUPPLY	$4,735.50
190050	12/16/2011	13	14145215	SYSCO LOS ANGELES, INC.	$14,141.37
190051	12/16/2011	13	14145216	US FOODSERVICE, INC. - JOSEPH WEBB	$9,715.56
190066	12/16/2011	13	14145229	ASR FOOD DISTRIBUTORS, INC.	$9,786.30
190143	01/04/2012	13	14152685	ASR FOOD DISTRIBUTORS, INC.	$9,800.47
190145	01/04/2012	13	14152687	ASR FOOD DISTRIBUTORS, INC.	$6,625.35
190146	01/04/2012	13	14152688	ASR FOOD DISTRIBUTORS, INC.	$7,738.67
190148	01/04/2012	13	14152690	ASR FOOD DISTRIBUTORS, INC.	$8,838.43
190301	01/10/2012	13	14156689	A & R WHOLESALE DISTRIBUTORS INC	$4,930.48
190308	01/10/2012	13	14156691	ASR FOOD DISTRIBUTORS, INC.	$18,727.79
190311	01/10/2012	13	14156692	ASR FOOD DISTRIBUTORS, INC.	$9,504.43
190317	01/10/2012	13	14156696	DOUG POWELL	$2,044.00
190385	01/10/2012	13	14156702	HOLLANDIA DAIRY	$43,118.52
190410	01/10/2012	13	14156727	MAJOR CLEANUP INC	$2,433.27
190423	01/10/2012	13	14156738	A & R WHOLESALE DISTRIBUTORS INC	$7,411.40
190425	01/10/2012	13	14156740	A & R WHOLESALE DISTRIBUTORS INC	$12,196.31
190441	01/10/2012	13	14156756	ASR FOOD DISTRIBUTORS, INC.	$8,789.05
190450	01/10/2012	13	14156765	ASR FOOD DISTRIBUTORS, INC.	$15,174.62
190467	01/10/2012	13	14156782	GOLD STAR FOODS, INC.	$21,828.61
190493	01/11/2012	13	14157049	ASR FOOD DISTRIBUTORS, INC.	$7,757.35
190495	01/11/2012	13	14157051	ASR FOOD DISTRIBUTORS, INC.	$3,168.26
190507	01/11/2012	13	14157063	DEMATTEO'S PIZZA	$4,632.00
190517	01/11/2012	13	14157073	MORENO BROS. DIST.	$4,133.35
190520	01/11/2012	13	14157076	REDLANDS FORD	$43,671.43
190521	01/11/2012	13	14157077	STATE BOARD OF EQUALIZATION	$5,512.00
190687	01/13/2012	13	14159137	DEMATTEO'S PIZZA	$5,469.50
190693	01/13/2012	13	14159143	HOLLANDIA DAIRY	$41,547.21
190694	01/13/2012	13	14159144	JURUPA RADIATOR & AUTO REPAIR	$2,150.73
190726	01/13/2012	13	14159176	GOLD STAR FOODS, INC.	$2,750.65
				TOTAL FOR FUND 13	**$579,513.49**

DEFERRED MAINTENANCE FUND 14

189966	12/15/2011	14	14143929	LETNER ROOFING CO.	$57,801.20
				TOTAL FOR FUND 14	**$57,801.20**

BUILDING FUND 21

189630	12/12/2011	21	14139977	CALTEC CORP.	$18,719.93
189653	12/12/2011	21	14140000	INLAND INSPECTIONS & CONSULTING	$12,163.18
189872	12/14/2011	21	14142763	ACCUVANT, INC.	$4,962.88
189873	12/14/2011	21	14142764	NEFF CONSTRUCTION, INC.	$2,045.70
189874	12/14/2011	21	14142765	NEFF CONSTRUCTION, INC.	$14,125.68
189878	12/14/2011	21	14142769	HAMEL CONTRACTING, INC.	$13,140.00
189887	12/14/2011	21	14142778	NATURE-TECH LANDSCAPING	$24,120.00
189889	12/14/2011	21	14142780	NATURE-TECH LANDSCAPING	$2,680.00
189890	12/14/2011	21	14142781	NATURE-TECH LANDSCAPING	$24,715.28

189892	12/14/2011	21	14142783	NATURE-TECH LANDSCAPING	$2,746.14
189904	12/14/2011	21	14142795	RIVER CITY TESTING	$12,002.37
189907	12/14/2011	21	14142798	NEFF CONSTRUCTION, INC.	$6,179.80
189909	12/14/2011	21	14142799	ADVOCATES FOR LABOR COMPLIANCE, LLC	$2,125.00
190201	01/05/2012	21	14152912	J. GLENNA CONSTRUCTION INC.	$5,737.50
190202	01/05/2012	21	14152913	RIVER CITY TESTING	$3,875.50
190208	01/05/2012	21	14152919	APPLE VALLEY COMMUNICATIONS, INC.	$23,945.00
190211	01/05/2012	21	14152922	ALUMINUM ATHLETIC EQUIPMENT COMPANY	$14,090.00
190213	01/05/2012	21	14152924	COLBI TECHNOLOGIES, INC.	$6,000.00
190372	01/09/2012	21	14154758	CAL COAST CONCRETE, INC.	$42,479.65
190445	01/10/2012	21	14156760	TILDEN-COIL CONSTRUCTORS	$32,415.38
190451	01/10/2012	21	14156766	NEFF CONSTRUCTION, INC.	$36,069.20
190453	01/10/2012	21	14156768	HMC ARCHITECTS	$3,558.40
190454	01/10/2012	21	14156769	HMC ARCHITECTS	$73,190.63
190469	01/10/2012	21	14156784	CALTEC CORP.	$9,584.69
190470	01/10/2012	21	14156785	CALTEC CORP.	$21,053.61
190471	01/10/2012	21	14156786	CALTEC CORP.	$8,490.98
190737	01/13/2012	21	14159187	TROXELL COMMUNICATIONS, INC.	$21,402.43
				TOTAL FOR FUND 21	**$441,618.93**

CAPITAL FACILITIES FUND 25

189725	12/13/2011	25	14141035	DAVIS DEMOGRAPHICS & PLANNING	$9,680.00
190209	01/05/2012	25	14152920	SILVER CREEK INDUSTIRES, INC.	$3,100.00
				TOTAL FOR FUND 25	**$12,780.00**

SPECIAL RESERVE FUND FOR CAPIT

189799	12/13/2011	40	14141108	INLAND INSPECTIONS & CONSULTING	$7,334.24
189880	12/14/2011	40	14142771	ROADWAY ENGINEERING & CONTRACTING	$107,887.95
189881	12/14/2011	40	14142772	INLAND INSPECTIONS & CONSULTING	$7,653.12
189882	12/14/2011	40	14142773	R.I.S. ELECTRICAL CONTRACTORS, INC.	$6,475.00
189997	12/15/2011	40	14143960	THE GAS COMPANY	$35,406.00
190001	12/15/2011	40	14143964	THE GAS COMPANY	$6,489.08
190199	01/05/2012	40	14152910	ROADWAY ENGINEERING & CONTRACTING	$10,080.00
190448	01/10/2012	40	14156763	TILDEN-COIL CONSTRUCTORS	$2,404.66
				TOTAL FOR FUND 40	**$183,730.05**

SELF-INSURANCE FUND 67

189906	12/14/2011	67	14142797	ALTURA CREDIT UNION	$2,187.07
189972	12/15/2011	67	14143935	RUSD WORKER'S COMP TRUST	$32,912.74
190053	12/16/2011	67	14145217	UNION BANK OF CALIFORNIA	$287,017.08
190135	01/04/2012	67	14152677	RUSD WORKER'S COMP TRUST	$29,996.35
190141	01/04/2012	67	14152683	DELTA HEALTH SYSTEMS	$116,615.35
190613	01/12/2012	67	14158218	COMMUNITY ACTION EMPLOYEE ASSISTANC	$6,530.00
				TOTAL FOR FUND 67	**$475,258.59**

MULTIPLE FUND CODES

189616	12/12/2011		14139963	RIVERSIDE, CITY OF	$428,364.50
189619	12/12/2011		14139966	STUDENT TRANSPORTATION OF AMERICA	$99,296.26

189621	12/12/2011	14139968	STUDENT TRANSPORTATION OF AMERICA	$48,594.54
189623	12/12/2011	14139970	STUDENT TRANSPORTATION OF AMERICA	$144,668.87
189625	12/12/2011	14139972	STUDENT TRANSPORTATION OF AMERICA	$65,377.79
189839	12/14/2011	14142730	PATHFINDER RANCH	$10,916.00
189940	12/14/2011	14142830	CAREER CRUISING	$21,555.00
189963	12/15/2011	14143926	WAXIE SANITARY SUPPLY	$15,510.40
189990	12/15/2011	14143953	OFFICE MAX	$20,668.25
189991	12/15/2011	14143954	OFFICE MAX	$7,907.18
189992	12/15/2011	14143955	OFFICE MAX	$3,504.59
190062	12/16/2011	14145225	STUDENT TRANSPORTATION OF AMERICA	$66,597.35
190063	12/16/2011	14145226	STUDENT TRANSPORTATION OF AMERICA	$32,188.30
190076	01/03/2012	14151198	STANDARD LIFE INSURANCE	$3,830.00
190077	01/03/2012	14151199	STANDARD LIFE INSURANCE	$2,566.00
190101	01/04/2012	14152643	SOUTH COUNTIES EMPLOYER EMPLOYEE TRUST	$865,759.24
190102	01/04/2012	14152644	SOUTH COUNTIES EMPLOYER EMPLOYEE TRUST	$548,302.54
190103	01/04/2012	14152645	SOUTH COUNTIES EMPLOYER EMPLOYEE TRUST	$94,645.61
190104	01/04/2012	14152646	SOUTH COUNTIES EMPLOYER EMPLOYEE TRUST	$49,718.24
190105	01/04/2012	14152647	WAXIE SANITARY SUPPLY	$3,190.71
190106	01/04/2012	14152648	ALLIANCE OF SCHOOLS FOR COOPERATIVE INS	$115,339.37
190107	01/04/2012	14152649	ALLIANCE OF SCHOOLS FOR COOPERATIVE INS	$59,043.13
190108	01/04/2012	14152650	ALLIANCE OF SCHOOLS FOR COOPERATIVE INS	$13,452.57
190109	01/04/2012	14152651	ALLIANCE OF SCHOOLS FOR COOPERATIVE INS	$30,004.22
190110	01/04/2012	14152652	OFFICE MAX	$12,487.65
190149	01/04/2012	14152691	ALTURA CREDIT UNION	$25,761.83
190151	01/05/2012	14152863	METROPOLITAN LIFE INSURANCE COMPANY	$5,231.93
190152	01/05/2012	14152864	METROPOLITAN LIFE INSURANCE COMPANY	$5,241.24
190158	01/05/2012	14152870	AMERICAN DENTAL PROF SERVICE	$7,857.18
190159	01/05/2012	14152871	AMERICAN DENTAL PROF SERVICE	$6,863.90
190162	01/05/2012	14152874	PACIFIC EDUCATORS, INC	$2,569.61
190375	01/09/2012	14154760	OFFICE MAX	$5,018.87
190444	01/10/2012	14156759	STUDENT TRANSPORTATION OF AMERICA	$166,964.17
190446	01/10/2012	14156761	STUDENT TRANSPORTATION OF AMERICA	$80,676.35
190447	01/10/2012	14156762	STUDENT TRANSPORTATION OF AMERICA	$166,158.31
190452	01/10/2012	14156767	STUDENT TRANSPORTATION OF AMERICA	$82,115.74
190457	01/10/2012	14156772	HMC ARCHITECTS	$19,304.04
190476	01/11/2012	14157032	FROST, DAVIS & DONNELLY	$6,530.00
190545	01/12/2012	14158150	OFFICE MAX	$26,708.70
190546	01/12/2012	14158151	OFFICE MAX	$7,957.58
190547	01/12/2012	14158152	OFFICE MAX	$3,549.57
190664	01/13/2012	14159114	ATKINSON, ANDELSON, LOYA, RUUD &	$5,898.37
190665	01/13/2012	14159115	BEST, BEST, & KRIEGER, LLP	$16,446.85
			TOTAL FOR VARIOUS FUND CODES	**$3,404,342.55**
			TOTAL OF WARRANTS OVER $2,000.00	**$7,939,101.86**

TOTAL OF WARRANTS UNDER $2,000.00	**$331,553.00**
GRAND TOTAL OF WARRANTS	**$8,270,654.86**

Board Meeting Agenda
February 6, 2012

Topic:	Resolution No. 2011/12-39 – Resolution to Appropriate Revenues, Expenditures, and Fund Balance
Presented by:	Brenda Hofer, Accountant
Responsible Cabinet Member:	Mike Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Consent
Short Description:	Funds have been received or are anticipated to be received by the school district. Revenue lists are presented to the Board of Education for adoption.

DESCRIPTION OF AGENDA ITEM:

Subsequent to the adoption of the District's annual budget, the District may receive funds or receive notice of the appropriation of new or additional funds to the District from a variety of federal, state and local sources. California Education Code Section 42602 provides that the governing board of a school district may, by a majority vote of its members, budget and use any unbudgeted income provided during the fiscal year from any source.

Additional funds have been received or are anticipated to be received this fiscal year from a variety of federal, state and local sources. The attached resolution appropriates the revenue and associated expenditures related to these previously unbudgeted funds.

FISCAL IMPACT: $212,879.81

RECOMMENDATION: It is recommended that the Board of Education adopt Resolution No. 2011/12-39– Resolution to Appropriate Revenues, Expenditures, and Fund Balance.

ADDITIONAL MATERIAL: A detailed listing of the new revenues and expenditures is attached to the resolution.

Attached: Yes

RIVERSIDE UNIFIED SCHOOL DISTRICT

Resolution No. 2011/12-39

RESOLUTION OF THE BOARD OF EDUCATION OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT TO APPROPRIATE REVENUES, EXPENDITURES, AND FUND BALANCE

WHEREAS, the Board of Education of the Riverside Unified School District has determined that revenues in the amount of $212,879.81 have been received or are anticipated to be received in the current fiscal year; and

WHEREAS, the Board of Education of the Riverside Unified School District has determined that expenditures in the amount of $212,879.81 are necessary in the current fiscal year; and

WHEREAS, such revenues, expenditures and/or fund balance are in excess of amounts previously budgeted;

NOW, THEREFORE, BE IT RESOLVED, that pursuant to California Education Code Section 42602, such revenues, expenditures and/or fund balance shall be appropriated as detailed on the attached listing.

PASSED AND ADOPTED by the Board of Education of the Riverside Unified School District at its regular meeting held on February 6, 2012 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

_____
Kathy Allavie, Clerk
Board of Education

Dated:_____

Fund	Object	Description	Amount
03	8699	REEF	179,151.81
03	8985	Adult Ed Contribution to General Fund	(98,412.00)
03	8919	General Fund Interfund Transfer From Adult Ed	98,412.00
06	8181	Special Ed Local Assistance Entitlement	21,993.00
06	8182	Special Ed Preschool Local Entitlement	7,584.00
06	8182	Special Ed Early Intervention	5,379.00
06	8290	NCLB: Title II Part A Teacher Quality	(1,903.00)
06	8699	Western Municipal Water District	675.00
11	8985	Adult Ed Contribution to General Fund	98,412.00
11	7619	Adult Ed Interfund Transfer to General Fund	(98,412.00)
			212,879.81
03	4000	Books and Supplies	80,739.81
03	8000	Interfund Transfers	98,412.00
06	4300	Books and Supplies	33,728.00
11	7000	Interfund Transfers	98,412.00
11	9000	Reserve	(98,412.00)
			212,879.81

Board Meeting Agenda
February 6, 2012

Topic:	Approval of Change Order No. 1 – Purchase Order C6002012 – Bid No. 2011/12-21 – Arlington High School Opportunity Classroom – General Construction
Presented by:	Jane Jumnongsilp, Purchasing Manager
Responsible Cabinet Member:	Mike Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Consent
Short Description:	A change is recommended in the scope of work for the Arlington High School Opportunity Classroom.

DESCRIPTION OF AGENDA ITEM:

On November 1, 2011, the Board of Education approved Bid No. 2011/12-21 – Arlington High School Opportunity Classroom. The bid was awarded to Hamel Contracting, Inc., and Purchase Order C6002012 was issued in the amount of $256,500.00.

District staff is requesting a change in the scope of work for Change Order No. 1 to (1) repair of the water line and electrical services damaged by a water main break; (2) provide credit for deletion of over excavation; and (3) delete drywell and tie in drinking fountain directly to the sewer system.

Change Order No. 1, in the amount of $15,112.05, brings the total amount of the purchase order to $271,612.05. Funding for this project is one hundred percent (100%) from Communities Facilities District funds.

FISCAL IMPACT: Change order value of $15,112.05 is included in the budget for this project.

RECOMMENDATION: It is recommended that the Board of Education approve Change Order No. 1, in the amount of $15,112.05 to Hamel Contracting, Inc. – Purchase Order C6002012, bringing the new total amount of the Purchase Order to $271,612.05.

ADDITIONAL MATERIAL: Request for Change Order No. 1 – Arlington High School Opportunity Classroom

Attached: Yes

CHANGE ORDER

Distribution to:
Owner ☐
Architect ☐
Contractor ☐

PROJECT: Arlington High School Opportunity Classroom

CHANGE ORDER NO: 1

DATE: January 8, 2012

TO: Hamel Contracting, Inc.
26341 Jefferson Avenue, Suite B
Murrieta, CA, 92562

BID NO: 2011/12-21

You are directed to make the following changes in this Contract:

COR #	DESCRIPTION OF WORK	COST
	See Attachment	

Not valid until signed by both the District and Architect.
Signature of the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum or Contract Time

The original Contract Sum was	$256,500.00
Net change by previously authorized Change Orders	$ .00
The Contract Sum prior to this Change Order was	$256,500.00
The total amount of this Change Order is (increase/decrease)	$ 15,112.05
The new Contract Sum including this Change Order will be	$271,612.05

The amount of days the Contract Time will be changed by . . . . . [0]

OWNER
Riverside Unified School District
3070 Washington Street
Riverside, CA 92504

By: _____

Date: _____

Change Order No. 1
Hamel Contracting, Inc.
Arlington High School Opportunity Classroom

COR #	DESCRIPTION OF WORK	COST
1	Repair of water line and general site cleanup and repair of electrical services damaged by water main break	$15,634.05
2	Provide credit for deletion of over excavation requirements at the portable	($522.00)
3	Delete dry well and tie in drinking fountain directly to the sewer system. No vent line will be provided	No Cost
	TOTAL OF CHANGE ORDER NO. 1	**$15,112.05**

Board Meeting Agenda
February 6, 2012

Topic:	Notice of Completion – Purchase Order C6001610 – Bid No. 2009/10-77 – Emerson Elementary School Portable Relocation
Presented by:	Jane Jumnongsilp, Purchasing Manager
Responsible Cabinet Member:	Mike Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Consent
Short Description:	A Notice of Completion is recommended for Haley Construction Service, Inc., for the Emerson Elementary School Portable Relocation.

DESCRIPTION OF AGENDA ITEM:

On October 4, 2010 the Board of Education approved Bid No. 2009/10-77 – Emerson Elementary School Portable Relocation. The bid was awarded to Haley Construction Service, Inc, and Purchase Order C6001610 was issued in the amount of $384,000.00. Two subsequent change orders were approved for $25,222.02, bringing the total amount of the purchase order to $409,222.02.

The scope of work for this project was to relocate portable buildings at Emerson Elementary School after the addition of a classroom wing.

District staff, architect, and inspector of record have reviewed the project, deemed the project complete, and a Notice of Completion is now being requested.

Funding for this project is one hundred percent (100%) from Measure B funds.

FISCAL IMPACT: None.

RECOMMENDATION: It is recommended that the Board of Education direct that a Notice of Completion be filed for Haley Construction, Inc. – Purchase Order C6001610, for a total of $409,222.02.

ADDITIONAL MATERIAL: Notice of Completion Request – Emerson Elementary School Portable Relocation

Attached: Yes

O'Brien, Laurie L.

From: Hauser, Kevin D.
Sent: Thursday, January 12, 2012 3:44 PM
To: O'Brien, Laurie L.
Subject: Hayley Const. NOC, Emerson Portables

Laurie;

Please file an NOC for Hayley Construction for Emerson Portable Reconfiguration (Mod K).

Thanks

Kevin Hauser
Assistant Director, Facilities Projects
Riverside Unified School District
3070 Washington St.
Riverside, CA 92504
(951) 788-7496 Extension 84704
Fax (951) 778-5643
Cell (951) 377-2143

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	Notice of Completion – Purchase Order C6001818 – Bid No. 2010/11-16 – Highgrove Elementary School MPR Building Improvements
Presented by:	Jane Jumnongsilp, Purchasing Manager
Responsible Cabinet Member:	Mike Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Consent
Short Description:	A Notice of Completion is recommended for Hamel Contracting, Inc. at Highgrove Elementary School MPR Building Improvements.

DESCRIPTION OF AGENDA ITEM:

On May 16, 2011 the Board of Education approved Bid No. 2010/11-16 – Highgrove Elementary School MPR Building Improvements. The bid was awarded to Hamel Contracting, Inc, and Purchase Order C6001818 was issued in the amount of $258,890.00. Four subsequent change orders were approved for $8,163.62, bringing the total amount of the purchase order to $267,053.62.

The scope of work for this project was to renovate the MPR building at Highgrove Elementary School to bring them into compliance with seismic codes.

District staff, architect, and inspector of record have reviewed the project, deemed the project complete, and a Notice of Completion is now being requested.

Funding for this project is twenty-nine percent (29%) from Measure B funds, twenty-seven percent (27%) Capital Facilities District and forty-four percent (44%) state funding.

FISCAL IMPACT: None.

RECOMMENDATION: It is recommended that the Board of Education direct that a Notice of Completion be filed for Hamel Contracting, Inc. – Purchase Order C6001818, for a total of $267,053.62.

ADDITIONAL MATERIAL: Notice of Completion Request – Highgrove Elementary School MPR Building Improvements

Attached: Yes

O'Brien, Laurie L.

From: Hauser, Kevin D.
Sent: Thursday, January 05, 2012 3:45 PM
To: O'Brien, Laurie L.
Subject: Highgrove NOC, Hamel

Laurie;

Please prepare the NOC for Hamel at Highgrove MPR.

Thanks

Kevin Hauser
Assistant Director, Facilities Projects
Riverside Unified School District
3070 Washington St.
Riverside, CA 92504
(951) 788-7496 Extension 84704
Fax (951) 778-5643
Cell (951) 377-2143

Board Meeting Agenda
February 6, 2012

Topic:	Out-of-State Field Trip – Ramona High School
Presented by:	Dr. William E. Ermert, Assistant Superintendent, Instructional Services
Responsible Cabinet Member:	Dr. William E. Ermert, Assistant Superintendent, Instructional Services
Type of Item:	Consent
Short Description:	Ramona High School's Winter Guard will travel by bus to Phoenix, Arizona, to participate in the WGI Phoenix Regional Competition March 2 – 4, 2012. The trip will be funded by fundraising activities.

DESCRIPTION OF AGENDA ITEM:

Ramona High School's Winter Guard will travel by bus to Phoenix, Arizona, to participate in the WGI Phoenix Regional Competition March 2 – 4, 2012. The trip will be funded by fundraising activities.

FISCAL IMPACT: None

RECOMMENDATION: Approval is requested for the Ramona High School's Winter Guard multiple-day field trip.

ADDITIONAL MATERIAL: Multiple-Day Field Trip application and itinerary

Attached: Yes

RIVERSIDE UNIFIED SCHOOL DISTRICT
Elementary and Secondary Education

MULTIPLE-DAY FIELD TRIP APPLICATION

Multiple-Day Field Trip Application must be submitted to the Director of Elementary or Secondary Education for approval **two months prior to departure** for in-state trips, and **four months prior to departure** for out-of-state and out-of-country trips. Out-of-country field trips require Board approval at least **four months prior to departure**. The Multiple-Day Final Checklist is due to the principal **2 weeks prior to departure**. Submit application to the Director of Elementary or Secondary Education for approval within time limits as noted.

School: Ramona High School Grade Level: 9-12

Teacher's Name: Nicholas Chitwood Teaching (Subject): Music Phone #: (951) 352-8429 x63060

Field Trip Dates: 3/2/12 - 3/4/12 Location (City and State): Phoenix, AZ

Number School Days Missed: 1 Number Students: 14 Number Adults: 12 Ratio Adult to Student: 1.2 To 1

Name and Title of Adults: Nicholas Chitwood, Teacher; Tabatha Mckeny, Chris Velez, Jessica Switzky, Cynthia Sandoval, Coaches; Kevin Golightly, Mo Johnson, Ray Chandler, Tracy Bevel, Kim Agnew, Patty Smith, Shannon Powell, Patricia

Administrator Accompanying Group ☐ Yes ☒ No Name(s):

Name of Group (i.e. Choir, Drill Team, Swim Team, etc.): Winter Guard

Name of Event **(ATTACH INFORMATION DESCRIBING EVENT):** WGI Regional

Link to course of study: VAPA Strand 2.0 Creative Expression - Perform

Estimated cost per student: $250 Detailed Funding Plan: See attached

Transportation By:
☒ Bus -- Check one: _____ RUSD or X Charter trip # 11130
☐ Plane
☐ Private Vehicle (The vehicle MUST have one seat and a seat belt for each person in the car.)
☐ **NOTE:** CHECK THIS BOX TO VERIFY THAT ALL DRIVERS OF PRIVATE VEHICLES HAVE BEEN APPROVED BY RUSD'S TRANSPORTATION DEPARTMENT. **Field trip will not be approved until private vehicle drivers have been approved.**
☐ Other

Insurance for Host Organization (if applicable):

Housing Accommodations: Hotel

SIGNATURES:

Teacher	11/29/11 Date	Principal	Date
Director, Elementary – Secondary Education	Cheryl Simmons 1-4-12 Date	Transportation Manager	12-13-11 Date
*Deputy – Assistant Superintendent, Instruction	Date	*Superintendent	Date

*For out-of-state requests only
**For out-of-country requests only

**Date of Board Action

DEPARTMENT USE ONLY
☐ **Approval pending clearance of Transportation and signed Multiple Day Final Checklist**
☐ **Not approved because**

A Multiple-Day Checklist, signed by the site principal, is required to be filed with the Elementary or Secondary Education department 1 week prior to departure.

Itinerary for Phoenix Regional

Friday, March 2nd

8:00 AM	Bag check prior to departure for Phoenix.
8:30 AM	Load bus for Phoenix.
9:00 AM	Depart for Phoenix.
12:00 PM	Lunch break at Blythe.
1:00 PM	Continue to Phoenix.
4:00 PM	Arrive at Hotel. Check in.
5:00 PM	Depart for practice site.
5:30 PM	Practice
7:00 PM	Dinner served by parents.
9:30 PM	Practice complete, head to hotel.
10:30 PM	Lights out

Saturday, March 3rd

8:00 AM	Breakfast served in hotel.
9:00 AM	Board bus and head to regional site.
12:00 PM	Compete in preliminary competitiong
2:00 PM	Lunch served by parents.
6:00 PM	Perform in finals competition.
7:00 PM	Dinner served by parents.
9:00 PM	Awards ceremony.
9:30 PM	Return to hotel.
10:30 PM	Lights out.

Sunday, March 4th

8:00 AM	Breakfast served.
9:00 AM	Room checks, and check out of hotel. Depart for Riverside.
12:00 PM	Lunch break in Blythe.
4:00 PM	Arrive back in Riverside.

Competition Site Info:
Highland High School
4301 East Guadalupe Rd
Gilbert, AZ 85234

Hotel Info:
Springhill Suites - Chandler
225 North Metro Boulevard
Chandler, AZ

DON'T FORGET YOUR:

- Equipment
- Uniform Pieces (Gloves, socks, shoes-polished)
- Deodorant
- Spending cash for dinner on Friday/other souvenirs

Emergency Contact Info:
Mr. Nicholas Chitwood – (951) 588-5353 [cell]

Board Meeting Agenda
February 6, 2012

Topic:	*Valenzuela*/CAHSEE Lawsuit Settlement Quarterly Report on *Williams* Uniform Complaints to Riverside County Office of Education
Presented by:	Kirk R. Lewis, Ed.D., Assistant Superintendent Operations
Responsible Cabinet Member:	Kirk R. Lewis, Ed.D., Assistant Superintendent Operations
Type of Item:	Consent
Short Description:	The quarterly report information confirms that there were no complaints filed with any school in the District for the period of October 1, 2011 – December 31, 2011.

DESCRIPTION OF AGENDA ITEM:

For the period of October 1, 2011 – December 31, 2012, there were no complaints filed with any school in Riverside Unified School District relating to the *Valenzuela*/CAHSEE (Williams) Lawsuit. The quarterly report has been submitted to the Riverside County Office of Education.

FISCAL IMPACT: None

RECOMMENDATION: It is recommended that the Board of Education accept the report.

ADDITIONAL MATERIAL: *Valenzuela*/CAHSEE Lawsuit Settlement Quarterly Report on *Williams* uniform Complaints.

Attached: Yes

RIVERSIDE COUNTY OFFICE OF EDUCATION
KENNETH M. YOUNG
Riverside County Superintendent of Schools

Valenzuela/CAHSEE Lawsuit Settlement
Quarterly Report on *Williams* Uniform Complaints
[Education Code § 35186(d)]

District: Riverside Unified School District

Person completing this form: Kirk R. Lewis Title: Asst. Supt. Operations

Quarterly Report: (*check one*)		Due:
☐	1st Quarter (July – September 2011)	October 14, 2011
☒	2nd Quarter (October – December 2011)	January 13, 2012
☐	3rd Quarter (January – March 2012)	April 13, 2012
☐	4th Quarter (April – June 2012)	July 13, 2012

Date for information to be reported publicly at governing board meeting: February 6, 2012

Please check the box that applies:

☒ No complaints were filed with any school in the district during the quarter indicated above.

☐ Complaints were filed with schools in the district during the quarter indicated above. The following chart summarizes the nature and resolution of these complaints.

General Subject Area	Total # of Complaints	# Resolved	# Unresolved
Textbooks and Instructional Materials	0	0	0
Teacher Vacancy or Misassignments	0	0	0
Facilities Conditions	0	0	0
CAHSEE Intensive Instruction and Services	0	0	0
TOTALS	0	0	0

Richard L. Miller, Ph.D.
Print Name of District Superintendent

Richard L. Miller
Signature of District Superintendent

1/5/12
Date

Return to: Riverside County Office of Education
Division of Educational Services
Attn: Diana M. Asseier, Assistant Superintendent
P.O. Box 868
Riverside, CA 92502-0868

Board Meeting Agenda
February 6, 2012

Topic:	Resolution No. 2011/12-40 – Resolution of the Board of Education of the Riverside Unified School District Making Certain Required Written Findings Pursuant to the California Environmental Quality Act; Adopting the Final Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the John W. North High School Athletic Facilities Master Plan Completion Project (Project); Approving the Project; and Delegating Authority to Execute a Notice of Determination
Presented by:	Janet Dixon, Director, Planning & Development
Responsible Cabinet Member:	Kirk R. Lewis, Ed.D., Assistant Superintendent Operations
Type of Item:	Consent
Short Description:	The Board will consider adoption of a Final Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the John W. North High School Athletic Facilities Master Plan Completion project and approval of the Project.

DESCRIPTION OF AGENDA ITEM:

In order to meet the requirements of the California Environmental Quality Act (CEQA), an Initial Study was prepared to assess the environmental effects that could occur with implementation of the John W. North High School Athletic Facilities Master Plan Completion project (Project). The Initial Study concluded that a Mitigated Negative Declaration (MND) is the appropriate document to satisfy CEQA requirements. The Initial Study and MND were circulated to state and local agencies for a 37-day review period, which ended on January 17, 2012. Comments were received during the review period, and the District's responses have been incorporated into the Final MND, which will be available for public review on or before January 31, 2012.

In order to complete the CEQA process, the Governing Board must consider the Initial Study, the Final MND, comments regarding environmental impacts received during the public review period, and the Mitigation Monitoring and Reporting Program (MMRP). The Board may consider approval of the Project only after adoption of the Final MND and MMRP, and may

direct the District to file a Notice of Determination with the County Clerk and State Office of Planning and Research.

FISCAL IMPACT: None

RECOMMENDATION: It is recommended that the Governing Board approve Resolution No. 2011/12-40, which adopts the Final Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, approves the Project, and delegates authority to execute the Notice of Determination.

ADDITIONAL MATERIAL: Resolution No. 2011/12-40, Final Mitigated Negative Declaration with Mitigation Monitoring and Reporting Program, and Mitigated Negative Declaration and Initial Study.

Attached: Yes

RESOLUTION NO. 2011/12-40

RESOLUTION OF THE BOARD OF EDUCATION OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT MAKING CERTAIN REQUIRED WRITTEN FINDINGS PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT; ADOPTING THE FINAL MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING AND REPORTING PROGRAM FOR THE JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION PROJECT (PROJECT); APPROVING THE PROJECT; AND DELEGATING AUTHORITY TO EXECUTE A NOTICE OF DETERMINATION

WHEREAS, the Riverside Unified School District ("District") proposes to implement the John W. North High School Athletic Facilities Master Plan Completion ("Project"), using funds from Measure B and the City of Riverside Redevelopment Agency, and

WHEREAS, the District is the lead agency as defined in Public Resources Code Section 21067 and prior to construction of the Project, the District must comply with the California Environmental Quality Act ("CEQA"); and

WHEREAS, the District has undertaken the preparation of an Initial Study, an environmental assessment and study of the Project (State Clearinghouse No. 2011121033); and

WHEREAS, the Initial Study concluded that implementation of the Project would have potentially significant effects on the environment that can be mitigated to insignificant levels with the imposition of mitigation measures; and

WHEREAS, a Mitigated Negative Declaration ("MND") was prepared; and

WHEREAS, the District circulated the Initial Study, MND, and Notice of Intent to Adopt the MND to affected agencies for a 37-day public comment period commencing on December 12, 2011, and concluding on January 17, 2012; and

WHEREAS, the District received and responded to comments from the public and other interested agencies regarding the MND, and for which they have been incorporated into the Final MND; and

WHEREAS, the District submitted copies of the District's responses to commenting public agencies and interested parties on January 31, 2012; and

WHEREAS, the District prepared a Mitigation Monitoring and Reporting Program, which incorporates all of the mitigation measures, as amended, required to reduce potentially significant impacts to levels below significance; and

WHEREAS, the Board has carefully reviewed and considered the Initial Study, the Final MND, and its supporting sources and comments received by affected governmental agencies and other interested persons, and all other relevant information contained in the record for the Project; and

WHEREAS, the Board has determined that the Final MND has been prepared in compliance with CEQA and reflects the Board's independent judgment and analysis; and

WHEREAS, the Final MND and all supporting material, which constitute a record of these proceedings are kept at the offices of the Riverside Unified School District located at 3070 Washington Street, California 92504 under the control of the Director of Planning and Development; and

WHEREAS, all other legal prerequisites to the adoption of the Resolution have occurred.

NOW, THEREFORE, the Board hereby finds, determines, declares, orders and resolves as follows:

Section 1-Recitals. That all of the recitals set forth above are true and correct, and the Board so finds and determines.

Section 2-Compliance with CEQA. That the Board reviewed and considered the information contained in the Final Mitigated Negative Declaration including without limitation, Initial Study comments from the public and interested agencies, the District's responses to such comments, and any comments made at the public hearing or contained in the administrative record for the Project. The Board hereby makes the following specific findings with respect to the Final Mitigated Negative Declaration:

(a) that the Final Mitigated Negative Declaration prepared for the Project contains a complete and accurate reporting of the environmental impacts associated with the Project; and

(b) that the Final Mitigated Negative Declaration has been completed in compliance with CEQA and the State CEQA Guidelines; and

(c) that the Project will not result in a significant effect upon the environment because the mitigation measures described in the Final Mitigated Negative Declaration have been added to the Project; and

(d) that the Mitigation Monitoring and Reporting Program contains those mitigation measures included in the Final Mitigated Negative Declaration would reduce or avoid significant environmental effects and that they have been completed in compliance with CEQA and State CEQA Guidelines; and

(d) that there is no substantial evidence in the record supporting a fair argument that the Project may result in significant impacts to the environment; and

(e) that the Final Mitigated Negative Declaration reflects the independent judgment of the District; and

(f) that any mitigation measures which have been changed or substituted subsequent to the circulation of the Final Mitigated Negative Declaration are equivalent or more effective in mitigating the environmental impacts than the prior mitigation measures, and that the change and/or substitution of such mitigation measures and not itself cause any potentially significant effect upon the environment.

Section 3-Location and Custodian of Records. That the location and custodian of records with respect to all of the relevant documents and any other material which constitutes the administrative record for the Final Mitigated Negative Declaration are as follows: Director of Planning and Development 3070 Washington Street Riverside, CA 92504.

Section 4-Wildlife Findings. That the project site is entirely developed and is in an urban setting developed with school and residential uses and roadways. There is no native habitat on or next to the project site. Project development would have no substantial adverse impact on any sensitive species. Impacts would not be significant, and no mitigation is needed.

Section 5- Hazardous Materials Findings. That the Project will not create a significant hazard through the transport or use of hazardous materials, and that construction and operation of the proposed improvements will not require extensive or ongoing use of acutely hazardous materials or substances. Therefore, operation of the proposed project would result in less than significant impacts related to hazardous materials, and no mitigation is required.

Section 6-Adoption of Final Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program. That the Final Mitigated Negative Declaration for the Project and the mitigation measures and Mitigation Monitoring and Reporting Program set forth in Exhibit "A" are approved and adopted.

Section 7-Project Approval. That the Project is, therefore, approved.

Section 8-Notice of Determination. That the Board hereby delegates authority to the Superintendent of the District, or his designee, to cause a Notice of Determination to be filed with the Riverside County Clerk and the State of California within five (5) working days after the Board's adoption of the Final Mitigated Negative Declaration.

ADOPTED, SIGNED AND APPROVED this 6th day of February, 2012.

RIVERSIDE UNIFIED SCHOOL DISTRICT BOARD OF EDUCATION

By_____
Gayle Cloud
President of the Riverside Unified
School District Board of Education

ATTEST:

_____
Kathy Y. Allavie
Clerk of the Riverside Unified
School District Board of Education

FINAL
MITIGATED
NEGATIVE
DECLARATION
FOR

JOHN W. NORTH HIGH

SCHOOL ATHLETIC

FACILITIES MASTER

PLAN COMPLETION

SCH NO. 2011121033

prepared for:

RIVERSIDE UNIFIED
SCHOOL DISTRICT

Contact:
Janet Dixon
Director, Planning and
Development

prepared by:

THE PLANNING
CENTER

Contact:
Barbara Wu Heyman
Director, School
Facilities Planning

JANUARY 2012

FINAL MITIGATED NEGATIVE DECLARATION FOR

JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION

SCH NO. 2011121033

prepared for:

RIVERSIDE UNIFIED SCHOOL DISTRICT

3070 Washington Street
Riverside, CA 92504
Tel: 951.788.7496 ext. 84003

Contact:
Janet Dixon
Director, Planning and Development

prepared by:

THE PLANNING CENTER

1580 Metro Drive
Costa Mesa, CA 92626
Tel: 714.966.9220 • Fax: 714.966.9221
E-mail: information@planningcenter.com
Website: www.planningcenter.com

Contact:
Barbara Wu Heyman
Director, School Facilities Planning

RIV-12.0E

JANUARY 2012

Table of Contents

Table of Contents

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1. Introduction

1.1 INTRODUCTION

This document and the Draft Mitigated Negative Declaration (MND) constitute the Final MND for the proposed John W. North High School Athletic Facilities Master Plan Completion project, State Clearinghouse No. 2011121033 (Proposed Project). It contains responses to comments received on the circulated Draft MND for the John W. North High School Athletic Facilities Master Plan Completion project. It also contains revisions to the Draft MND based upon 1) additional or revised information required to prepare a response to a specific comment, 2) applicable updated information that was not available at the time of the publication of the Draft MND, and/or 3) typographical errors.

This Final MND is modeled on the requirements for a Final Environmental Impact Report (EIR). According to CEQA Guidelines, Section 15132, the Final EIR shall consist of:

(a) The Draft EIR or a revision of the Draft;

(b) Comments and recommendations received on the Draft EIR either verbatim or in summary;

(c) A list of persons, organizations, and public agencies comments on the Draft EIR;

(d) The responses of the Lead Agency to significant environmental points raised in the review and consultation process; and

(e) Any other information added by the Lead Agency.

1.2 CEQA REQUIREMENTS REGARDING COMMENTS AND RESPONSES

Unlike EIRs, the lead agency has no affirmative duty to prepare formal responses to comments on the MND but should have adequate information on the record explaining why the comment does not affect the conclusion that there are no potential significant environmental effects. In the spirit of public disclosure and engagement, the Riverside Unified School District (District), as the lead agency of the proposed project, has responded to all written comments submitted during the public review period. While not required, the District has applied the guidelines and principals of the CEQA requirements for Final EIRs to this Final MND.

CEQA Guidelines Section 15204 (a) outlines parameters for submitting comments and reminds persons and public agencies that the focus of review and comment of a Draft MND should be "on the sufficiency of the document in identifying and analyzing possible impacts on the environment and ways in which significant effects of the project might be avoided or mitigated. Comments are most helpful when they suggest additional specific alternatives or mitigation measures that would provide better ways to avoid or mitigate the significant environmental effects. At the same time, reviewers should be aware that the adequacy of an EIR is determined in terms of what is reasonably feasible. …CEQA does not require a lead agency to conduct every test or perform all research, study, and experimentation recommended or demanded by commenters. When responding to comments, lead agencies need only respond to

significant environmental issues and do not need to provide all information requested by reviewers, as long as a good faith effort at full disclosure is made in the EIR."

CEQA Guidelines Section 15204 (c) further advises, "Reviewers should explain the basis for their comments, and should submit data or references offering facts, reasonable assumptions based on facts, or expert opinion supported by facts in support of the comments. Pursuant to Section 15064, an effect shall not be considered significant in the absence of substantial evidence." Section 15204 (d) also states, "Each responsible agency and trustee agency shall focus its comments on environmental information germane to that agency's statutory responsibility." Section 15204 (e) states, "This section shall not be used to restrict the ability of reviewers to comment on the general adequacy of a document or of the lead agency to reject comments not focused as recommended by this section."

Although not required by CEQA, the District will be mailing the written response to the commenter prior to the date of the public hearing, as well as making the Final MND available on its website.

1.3 FORMAT OF THE FINAL MND

This document is organized as follows:

Section 1, Introduction. This section describes CEQA requirements on comments and responses, and the content of this Final MND.

Section 2, Response to Comments. This section identifies the agencies and persons that commented on the circulated Draft MND, includes copies of comment letters received during the public review period, and includes the District's responses to the comments. To facilitate review of the responses, each comment letter has been reproduced and assigned a letter. Individual comments have been numbered for each letter, and the letter is followed by responses with references to the corresponding comment number.

Section 3. Revisions to the Circulated Draft MND. This section contains revisions to the Draft MND text and figures, as applicable, as a result of the comments received by agencies and interested persons as described in Section 2, and/or errors and omissions discovered subsequent to the release of the Draft MND for public review.

Appendix A. Mitigation Monitoring and Reporting Program. The Mitigation Monitoring and Reporting Program (MMRP) lists all the mitigation measures required for implementation of the project, the phase in which the measures would be implemented, and the enforcement agency responsible for compliance. The monitoring program provides 1) a mechanism for giving the lead agency staff and decision makers feedback on the effectiveness of their actions; 2) a learning opportunity for improved mitigation measures on future projects; and 3) a means of identifying corrective actions, if necessary, before irreversible environmental damage occurs.

2. Response to Comments

This section provides all written comments received on the circulated Draft MND and the District's responses to each comment.

Comment letters and specific comments are given letters and numbers for reference purposes. Where sections of the Draft MND are excerpted in this document, the sections are shown indented. Changes to the Draft MND text are shown in underlined text for additions and ~~strikeout~~ for deletions.

The responses to comments contain material and revisions that will be added to the text of the Final MND. District staff has reviewed this material and determined that none of it constitutes significant new information that would require recirculation of the Draft MND for further public comment under CEQA Guidelines Section 15088.5 or preparation of an Environmental Impact Report. None of the new material indicates that the project will result in a significant new environmental impact not previously disclosed in the Draft MND. Additionally, none of the material indicates that there would be a substantial increase in the severity of a previously identified environmental impact that will not be mitigated, or that there would be any of the other circumstances requiring recirculation described in CEQA Guidelines Section 15088.5.

The following is a list of agencies and persons that submitted comments on the Draft MND during the public review period.

Number Reference	Commenting Person/Agency	Date of Comment	Page No.
A	Native American Heritage Commission	December 19, 2011	2-3
B	South Coast Air Quality Management District	January 13, 2012	2-11
C	City of Riverside, Community Development Department	January 17, 2012	2-25

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LETTER A – Native American Heritage Commission (5 pages)

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
ds_nahc@pacbell.net

December 19, 2011

Ms. Janet Dixon, Director, Planning and Development
Riverside Unified School District
3070 Washington Street
Riverside, CA 92504

Re: SCH#2011121033 CEQA Notice of Completion proposed Mitigated Negative Declaration for the **"John W. North High School Athletic Facilities Master Plan) Completion Project"** located in the City of Riverside; Riverside County, California

Dear Ms. Dixon:

The Native American Heritage Commission (NAHC) is the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources pursuant to California Public Resources Code §21070 and affirmed by the Third Appellate Court in the case of EPIC v. Johnson (1985: 170 Cal App. 3rd 604). The court held that the NAHC has jurisdiction and special expertise, as a state agency, over affected Native American resources, impacted by proposed projects including archaeological, places of religious significance to Native Americans and burial sites. The NAHC wishes to comment on the proposed project. A-1

This letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9.

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amendments effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including …objects of historic or aesthetic significance." In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. A-2

The NAHC Sacred Lands File (SLF) search resulted as follows: **Native American cultural resources were not identified** within the project area identified. Also, the absence of archaeological resources does not preclude their existence. . California Public Resources Code §§5097.94 (a) and 5097.96 authorize the NAHC to establish a Sacred Land Inventory to record Native American sacred sites and burial sites. These records are exempt from the provisions of the California Public Records Act pursuant to. California Government Code §6254 (r). The purpose of this code is to protect such sites from vandalism, theft and destruction. The NAHC "Sacred Sites,' as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC

Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254 (r). A-2 cont'd.

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway. Culturally affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We strongly urge that you make contact with the list of Native American Contacts on the list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to obtain their recommendations concerning the proposed project. Special reference is made to the *Tribal Consultation* requirements of the California 2006 Senate Bill 1059: enabling legislation to the federal Energy Policy Act of 2005 (P.L. 109-58), mandates consultation with Native American tribes (both federally recognized and non federally recognized) where electrically transmission lines are proposed. This is codified in the California Public Resources Code, Chapter 4.3 and §25330 to Division 15. A-3

Furthermore, pursuant to CA Public Resources Code § 5097.95, the NAHC requests that the Native American consulting parties be provided pertinent project information. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). Pursuant to CA Public Resources Code §5097.95, the NAHC requests that pertinent project information be provided consulting tribal parties. The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy Native American cultural resources and Section 2183.2 that requires documentation, data recovery of cultural resources.

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq*), 36 CFR Part 800.3 (f) (2) & .5, the President's Council on Environmental Quality (CSQ, 42 U.S.C 4371 *et seq.* and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation. The aforementioned Secretary of the Interior's *Standards* include recommendations for all 'lead agencies' to consider the historic context of proposed projects and to "research" the cultural landscape that might include the 'area of potential effect.'

Confidentiality of "historic properties of religious and cultural significance" should also be considered as protected by California Government Code §6254(r) and may also be protected under Section 304 of he NHPA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APEs and possibility threatened by proposed project activity. A-4

Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

2

To be effective, consultation on specific projects must be the result of an ongoing relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects. A-4 cont'd.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,

Dave Singleton
Program Analyst

Cc: State Clearinghouse

Attachment: Native American Contact List

3

California Native American Contacts
Riverside County
December 19, 2011

Pala Band of Mission Indians
Tribal Historic Preservation Office/Shasta Gaugher
35008 PalaTemecula Road, PMB 445 , Luiseno
Cupeno
Pala, CA 92059
(760) 891-3515
sgaughen@palatribe.com
(760) 742-3189 Fax

Pauma & Yuima Reservation
Randall Majel, Chairperson
P.O. Box 369 Luiseno
Pauma Valley CA 92061
paumareservation@aol.com
(760) 742-1289
(760) 742-3422 Fax

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resources Manager
P.O. Box 1477 Luiseno
Temecula , CA 92593
(951) 770-8100
pmacarro@pechanga-nsn.
gov
(951) 506-9491 Fax

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

San Manuel Band of Mission Indians
James Ramos, Chairperson
26569 Community Center Drive Serrano
Highland , CA 92346
(909) 864-8933
(909) 864-3724 - FAX
(909) 864-3370 Fax

Gabrieleno/Tongva San Gabriel Band of Mission
Anthony Morales, Chairperson
PO Box 693 Gabrielino Tongva
San Gabriel , CA 91778
GTTribalcouncil@aol.com
(626) 286-1632
(626) 286-1758 - Home
(626) 286-1262 -FAX

Santa Rosa Band of Mission Indians
John Marcus, Chairman
P.O. Box 391820 Cahuilla
Anza , CA 92539
sestrada@
(951) 659-2700
(951) 659-2228 Fax

Gabrielino Tongva Nation
Sam Dunlap, Chairperson
P.O. Box 86908 Gabrielino Tongva
Los Angeles , CA 90086
samdunlap@earthlink.net

(909) 262-9351 - cell

A-3

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2011121033; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the John W. North High School Athletic Facilities Master Plan Completion; located in the City of Riverside; Riverside County, California.

California Native American Contacts
Riverside County
December 19, 2011

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Prog.
12700 Pumarra Road — Cahuilla
Banning , CA 92220 — Serrano
(951) 201-1866 - cell
mcontreras@morongo-nsn.gov
(951) 922-0105 Fax

Serrano Nation of Indians
Goldie Walker
P.O. Box 343 — Serrano
Patton , CA 92369
(909) 862-9883

San Manuel Band of Mission Indians
Ann Brierty, Policy/Cultural Resources Departmen
26569 Community Center. Drive — Serrano
Highland , CA 92346
(909) 864-8933, Ext 3250
abrierty@sanmanuel-nsn.gov
(909) 862-5152 Fax

Cahuilla Band of Indians
Luther Salgado, Sr., , Chairperson
PO Box 391760 — Cahuilla
Anza , CA 92539
tribalcouncil@cahuilla.net
915-763-5549

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 — Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 770-6100
(951) 695-1778 Fax

Pechanga Cultural Resources Department
Anna Hoover, Cultural Analyst
P.O. Box 2183 — Luiseño
Temecula , CA 92593
ahoover@pechanga-nsn.gov
951-770-8100
(951) 694-0446 - FAX

Willie J. Pink
48310 Pechanga Road — Luiseno
Temecula , CA 92592
wjpink@hotmail.com
(909) 936-1216
Prefers e-mail contact

SOBOBA BAND OF LUISENO INDIANS
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Luiseno
San Jacinto , CA 92581
jontiveros@soboba-nsn.gov
(951) 663-5279
(951) 654-5544, ext 4137

A-3

This list is current only as of the date of this document.

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This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2011121033; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the John W. North High School Athletic Facilities Master Plan Completion; located in the City of Riverside; Riverside County, California.

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A. Response to Comments from the Native American Heritage Commission, dated December 19, 2011.

A-1 The comment states that the Native American Heritage Commission (NAHC) is a Trustee Agency for the proposed project and wishes to comment on the proposed project. The comment further states that the letter includes state and federal statutes relating to Native American historic properties and "consulting" Native American individuals. This comment is noted.

A-2 The comment includes CEQA requirements concerning historical resources, including archaeological resources, and includes search information from the NAHC Sacred Lands File (SLF). The SLF search confirmed that no known Native American cultural resources are within the project area. The comment further explains that absence on the SLF search does not preclude the existence of resources. The District appreciates the NAHC effort in conducting the SLF search and understands that it is possible that there are subsurface resources that can be discovered during construction efforts. As stated in section 3.5(b) of the Draft MND, a District best management practice (BMP) includes retaining an on-call archaeological consultant during ground-disturbing activities to immediately assess such resources and make necessary recommendations. This BMP addresses the NAHC's concern related to the potential accidental discovery of archaeological resources. The information on the SLF search plus other relevant data presented in "A Summary Report on the Proposed Improvements at the John W. North High School Campus" prepared by McKenna et al. in August 2010 (see Draft MND Appendix B) and "Addendum Report: A Summary Report on the Proposed Improvements at the John W. North High School Campus" prepared by McKenna et al. on January 18, 2012, included in this Final MND, is incorporated in the Final MND for the project. The information will be considered by the District Board of Education prior to approval of the MND and project approval.

A-3 The comment states that early consultation with Native American tribes in the project region is recommended. As a part of the Draft MND, the Native American Heritage was contacted to determine if the project site is on the SLF and to identify Native American tribes. Those tribes provided by the NAHC in July 2010 were contacted at that time. This comment letter includes a few more tribes that were not included in the original contact list. On January 16, 2012, the District submitted notification letters providing pertinent project information to the additional tribes.

A-4 The comment provides state and federal statutes concerning Native American tribal consultation, disclosure information of information related to archaeological resources to the public, and mandates concerning the accidental discover of archaeological resources. The comment is noted.

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LETTER B – South Coast Air Quality Management District (2 pages)

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

E-MAILED: JANUARY 13, 2012 January 13, 2012

Ms. Janet Dixon, Director, jdixon@rusd.k12.ca.us
Planning and Development
Riverside Unified School District
3070 Washington Street
Riverside, CA 92504

Draft Mitigated Negative Declaration (Draft MND) for the Proposed John W. North High School Athletic Facilities Master Plan Completion

The South Coast Air Quality Management District (AQMD) appreciates the opportunity to comment on the above-mentioned document. The following comment is meant as guidance for the Lead Agency and should be incorporated into the Final CEQA document.

In the project description, the lead agency proposes construction that would improve the existing school swimming facilities, football/track field, ball fields, and hard-court areas. The proposed project construction activities would include approximately 8.87 acres per day of soil disturbance.

In the air quality analysis, the lead agency estimated project short- and long-term air quality impacts using CalEEMod, a statewide land use emissions computer model. This model uses default and user-defined settings to estimate emissions based on the land use settings. Upon review of the inputs to the model's off-road equipment list, the lead agency has modified the default settings for the load factor by reducing it by a factor of about one third, effectively lowering the emissions calculated from these emission sources by one third. For example, the CalEEMod default load factor for a tractor/loader/backhoe is 0.55; rubber tired dozer is 0.59; and a grader is 0.61. In the air quality analysis, the lead agency used 0.37 as a load factor for a tractor/loader/backhoe; 0.40 as a load factor for rubber tired dozer; and 0.41 for a grader. The lead agency explained these edits under user entered notes in the CalEEMod model output sheets stating that "CARB staff concluded that load factors in OFFROAD are 33% to high."

B-1

Currently, it is the AQMD staff's understanding that CARB does not approve of reducing the default settings in the current OFFROAD2007 at a project level because the 33% reduction in statewide emissions of diesel exhaust is not necessarily reflected in individual pieces of equipment. In fact, for some equipment types, OFFROAD2007 may underestimate emissions while others may be overestimated. Because of these revisions, CARB is currently seeking approval of the new OFFROAD2011. The AQMD staff therefore recommends that the lead agency use existing OFFROAD2007 defaults until

OFFROAD2011 is incorporated into CalEEMod later this year. Therefore, even though these edits might not change the lead agency's determination of significance for construction air quality impacts, these edits to load factors are not recommended by the AQMD staff without substantial evidence to support their use. Otherwise, the lead agency should commit to enforcing the assumed lower emission factors.

B-1

Please provide the AQMD with written responses to all comments contained herein prior to the adoption of the Final MND. The AQMD staff is available to work with the Lead Agency to address these issues and any other questions that may arise. Please contact Gordon Mize, Air Quality Specialist – CEQA Section, at (909) 396-3302, if you have any questions regarding these comments.

Sincerely,

Ian MacMillan
Program Supervisor, Inter-Governmental Review
Planning, Rule Development & Area Sources

IM:GM

RVC111213-01
Control Number

B. Response to Comments from the South Coast Air Quality Management District, dated January 13, 2012.

B-1 The comment recommends that the lead agency use existing OFFROAD2007 default load factors, instead of recent load factors recommended by the California Air Resources Board (CARB). The CARB held workshops in August and September regarding proposed changes to the OFFROAD model as part of the OFFROAD2011 model update. As presented in these workshops, CARB staff concluded that load factors in the OFFROAD2011 inventory would be reduced by 33 percent based on engine load data from CARB testing programs and manufacturer-provided data (see attached workshop materials).

South Coast Air Quality Management District's (SCAQMD) User's Guide Appendix A, which was created in collaboration with ENVIRON Corporation, states that the CalEEMod program "does not incorporate any recent comments from [C]ARB regarding load factor changes." The attached memorandum from ENVIRON Corporation includes direct correspondence from CARB indicating that users "can directly apply a 33 percent reduction for the [Load Factor] correction."

In addition, since release of the CalEEMod program, CARB released the module for In-Use Off-Road Equipment (Construction, Industrial, Ground Support, and Oil Drilling) in December 2011. OFFROAD2011 load factors were compared to the load factors incorporated in CalEEMod (see attachment). As shown in this attachment, the load factors for equipment that are also included in the CalEEMod program were all reduced by 33 percent in accordance with CARB's original recommendations.

Consequently, the 33 percent reduction to load factors in the CalEEMod program is appropriate, and no changes are necessary to the Initial Study.

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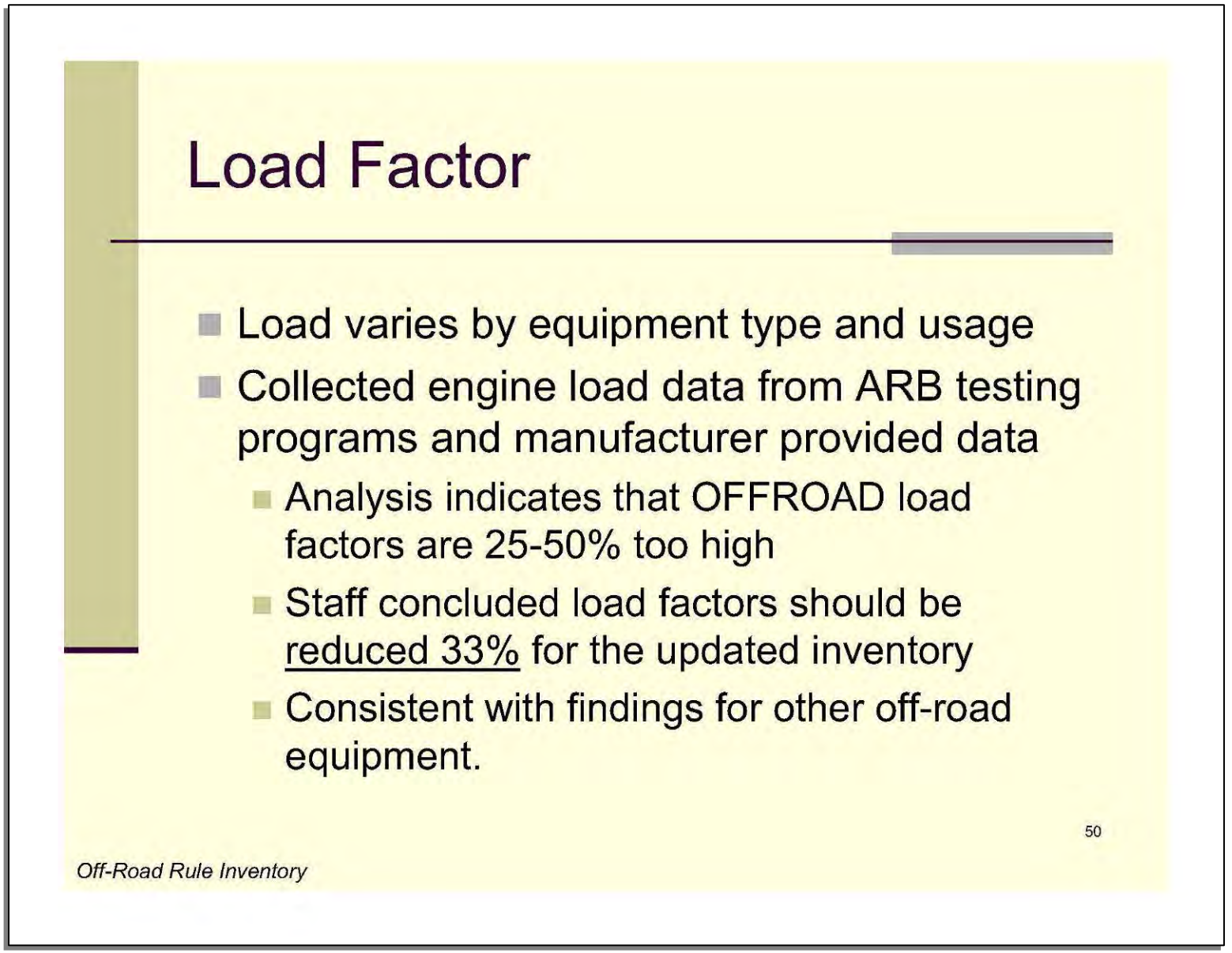
Workshops on Information Regarding the Off-Road, Truck and Bus and Drayage Truck Regulations
August/September 2010 Workshop Series
September 3, 2010
California Environmental Protection Agency
Air Resources Board
1


Load Factor
Load varies by equipment type and usage
Collected engine load data from ARB testing programs and manufacturer provided data
Analysis indicates that OFFROAD load factors are 25-50% too high
Staff concluded load factors should be reduced 33% for the updated inventory
Consistent with findings for other off-road equipment.
50
Off-Road Rule Inventory

ENVIRON

September 15, 2010

DRAFT MEMORANDUM

To: Emeryville Air Group

From: Kai Zhao

Subject: Summary of ARB's Workshop on Revision to the Off-Road and On-Road Vehicle Emissions Inventories (Oakland – September 8th, 2010)

Background

On September 8, 2010 in Oakland, staff from the ARB concluded a series of public workshops throughout the state which focused on the finalized emissions inventories underlying the off-road and truck & bus regulations. The updated off-road and on-road vehicle emissions inventories account for the impact from the recession since 2008 and the newly collected equipment data. The emissions across both categories are significantly lower than the previous inventories. The actual changes to the regulations were not discussed during this workshop but will be the focus of the next round of workshops starting the end of September 2010. Below is the proposed regulatory timing:

- September 30th – October 12th: workshops focused on the revised staff proposals and unofficial commenting period
- Mid - Late October: release of the staff report and beginning of the official commenting period
- Mid December: Board hearing

More background information can be found on ARB's website:
http://www.arb.ca.gov/msprog/ordiesel/meetings.htm

This memo focuses on the changes to the off-road and truck & bus emissions inventory that directly affect our analyses approach.

In-Use Off-Road Vehicles

Based on the newly collected engine load data from the ARB testing programs and manufacturers, ARB staff indicated that their analysis for OFFROAD load factors were 25-50% too high depending on the equipment type and concluded that the OFFROAD load factors should be reduced by 33%. In addition, the email communication with Nicole Dolney from ARB (attached) confirmed that this 33% reduction can be directly applied to the load factor during the off-road equipment emissions calculation, which results a 33% emissions reduction for all pollutants (i.e., NO_2, CO, PM, SO_2, CH_4, and CO_2).

ARB also revised equipment population, activity, age, and growth rate for the emissions inventory by taking into account the impact from the recession and new data, and lower the

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Tel: +1.510.655.7400 Fax: +1 510.655.9517

equipment fuel usage rate based on a paper published by Prof. Robert Harley from UC Berkeley in 2009.[1]

The summary table below shows how the impacts of these revisions might affect our emissions calculation approach.

Equipment Parameter	Revisions	Reference[2] (slide #)	Affect Approach?	Impact
Population	Lower	39 - 41	No[3]	NA
Age	Generally Younger	42, 43	Yes[4]	Reduce emissions
Activity	Lower	46 - 49	No[3]	NA
Load Factor	Lower	50	Yes[5]	Reduce emissions
Growth	Lower	51, 52	No[3]	NA
Fuel Usage	Lower	60	No[6]	NA
Based Emission Factors	Unchanged	60	No	NA
Deterioration Rates[7]	Unchanged	60	No	NA

Additional information regarding the updated off-road vehicle emissions inventory can be found in the workshop presentation.[2]

On-Road Vehicles (Statewide Truck and Bus)

ARB revised the following four categories for the truck and bus emissions inventory, but ENVIRON's emissions calculation for on-road vehicles should not be affected. One voice message has been left for Nicole from ARB, and her advice or confirmation is expected.

1. Vehicle/Fleet Size Categories
2. Odometer
3. Out-of-State Vehicle Miles Traveled
4. Regional Allocation

Item 3 was the only category went under major change. The detailed information regarding the revisions to these four categories can be found in slides 11 to 28 of the workshop presentation.

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[1] Millstein, D.E.; Harley, R.A. (2009). Revised Estimates of Construction Activity and Emissions: Effects on Ozone and Elemental Carbon Concentrations in Southern California. *Atmospheric Environment* 43, 6328-6335.

[2] The workshop presentation:
http://www.arb.ca.gov/msprog/ordiesel/documents/emissions_inventory_presentation_full_10_09_03.pdf

[3] These revisions do not affect the back-calculated average equipment emissions factors (in g/hp-hr) used in ENVIRON's emissions calculation that also uses the project specific equipment number and activity.

[4] The change to the equipment age distribution affects the back-calculated average equipment emission factors. However, the change varies by year and locatio, and it is difficult to quantify the actual impact. A voice message has been left for Nicole from ARB, and her advice is expected.

[5] Apply the reduction directly to the emissions.

[6] Based on Nicole Dolney's email on Sep 8th, 2010, the OFFROAD fuel usage was back-calculated from the CO_2 emissions.

[7] The deterioration is capped at 12,000 hours for each piece of equipment.

The impact of revisions on the on-road emissions inventory (shown in slides 29 to 34) relatively small compared to that on the off-road inventory.

Conclusion

Before the updated off-road and on-road vehicle regulations are released to the public later this year, a 33% load factor reduction should be applied during the off-road equipment emissions calculations (e.g., construction project) regardless the source of the emission factors (e.g., OFFROAD and USEPA Tier standards), and no change is necessary for the current on-road vehicle emissions calculation.

From: Dolney, Nicole@ARB
To: Kai Zhao;
cc: Sax, Todd@ARB;
Subject: RE: Workshop Follow Up Questions
Date: Wednesday, September 08, 2010 4:52:41 PM

Hello Kai,

I wanted to follow up on a workshop question regarding the off-road inventory. As Todd indicated you can directly apply a 33% reduction for the LF correction. With regards to the CO2 correction you won't be able to ratio the BSFCs. OFFROAD uses CO2 emission factors and then backcalculates fuel. For the updated inventory we're going to use the new BSFC values to calculate fuel. Also, at the workshop we said that we are using USEPA values for BSFC – this means that for the 50 HP bin the BSFC is 0.408 and for every other HP bin the BSFC is 0.367 lb/hr-hr.

Call or email if you have additional questions.

Nicole Dolney
Manager, Off-Road Diesel Analysis Section
Planning and Technical Support Division
California Air Resources Board
916-322-1695
ndolney@arb.ca.gov

From: Kai Zhao [mailto:kaizhao@Environcorp.com]
Sent: Wednesday, September 08, 2010 4:03 PM
To: Sax, Todd@ARB
Subject: Workshop Follow Up Questions

Hi Todd,

It was good meeting to you today at the workshop in Oakland. Thank you and the other ARB/Cal EPA staff members for putting together this spirited discussion. I was hoping you could help me with one follow-up issue. As we discussed at the workshop, some of the updates regarding the offroad construction equipment presented during the workshop are important to our analysis and I would like to confirm the following to make sure I implement the changes properly.

I understand that ARB staff concluded that the load factor should be reduced by 33% for the updated inventory based on the collected engine load data from ARB testing programs and manufacturer provided data. I want to confirm that we can apply 33% reduction to the current default construction equipment load factors used by OFFROAD 2007 during our construction emissions calculation (i.e., updated emissions = 0.67 * emissions calculated using the current OFFROAD default equipment parameters).

In addition, for the CO2 emissions, we can further reduce the emissions multiplying the following fuel consumption ratio:

0.367lb/hp-hr (USEPA's NonROAD Model fuel consumption rate)

0.401 lb/hp-hr (OFFROAD fuel consumption rate)

Please let me know if the approaches above are correct. Lastly, are there any restrictions on applying these emissions reductions (e.g., specific equipment types, sizes)?

Thanks for your help with this matter.

Best,

-Kai

Kai Zhao, M.S. | Associate
ENVIRON International Corp.| www.environcorp.com
6001 Shellmound Street, Suite 700 | Emeryville, CA 94608
V: 510.420.2530| F: 510.655.9517 | kaizhao@environcorp.com

message in error, please contact the sender by electronic reply to email@environcorp.com and immediately delete all copies of the message.

EquipmentTypeID	OFFROAD2011 Adj ARB LF	COMPARE TO CalEEMod Default	Percent Change
Aerial Lifts	0.3082	0.46	-33%
Air Compressors	NA	0.48	
Bore/Drill Rigs	0.5025	0.75	-33%
Cement and Mortar Mixers	NA	0.56	
Concrete/Industrial Saws	NA	0.73	
Cranes	0.2881	0.43	-33%
Crawler Tractors	0.4288	0.64	-33%
Crushing/Proc. Equipment	NA	0.78	
Dumpers/Tenders	NA	0.38	
Excavators	0.3819	0.57	-33%
Forklift (GSE)	0.201	0.30	-33%
Forklifts	0.201	0.30	-33%
Generator Sets	NA	0.74	
Graders	0.4087	0.61	-33%
Off-Highway Tractors	0.4355	0.65	-33%
Off-Highway Trucks	0.3819	0.57	-33%
Other Construction Equipment	0.4154	0.62	-33%
Other General Industrial Equipment	0.3417	0.51	-33%
Other Material Handling Equipment	0.3953	0.59	-33%
Pavers	0.4154	0.62	-33%
Paving Equipment	0.3551	0.53	-33%
Plate Compactors	NA	0.43	
Pressure Washers	NA	0.30	
Pumps	NA	0.74	
Rollers	0.3752	0.56	-33%
Rough Terrain Forklifts	0.402	0.60	-33%
Rubber Tired Dozers	0.3953	0.59	-33%
Rubber Tired Loaders	0.3618	0.54	-33%
Scrapers	0.4824	0.72	-33%
Signal Boards	NA	0.82	
Skid Steer Loaders	0.3685	0.55	-33%
Surfacing Equipment	0.3015	0.45	-33%
Sweepers/Scrubbers	0.4556	0.68	-33%
Tractors/Loaders/Backhoes	0.3685	0.55	-33%
Trenchers	0.5025	0.75	-33%
Welders		0.45	

Source: OFFROAD2011 and CalEEMod

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LETTER C – City of Riverside, Community Development Department (4 pages)

Community Development
Department
Planning Division

CITY OF RIVERSIDE

January 17, 2012

Janet Dixon
Director, Planning and Development
Riverside Unified School District
3070 Washington Street
Riverside, CA 92504-4697

SUBJECT: **NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION – JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN**

Dear Ms. Dixon:

Thank you for providing the City of Riverside an opportunity to comment on the December 2011 draft Initial Study (IS) and Mitigated Negative Declaration (MND) for the proposed John W. North High School Athletic Facilities Master Plan. The subject site is situated at 1550 Third Street and includes 36.8 acres developed with the existing high school campus, bounded by Third Street on the north, Chicago Avenue on the west, Linden Street on the south, and an industrial park on the east. The Athletic Facilities Master Plan improvements generally include new and replacement facilities including the addition of a second swimming pool with shaded bleachers, a replacement football field with synthetic turf, a replacement track, and stadium seating for 3,400 (a 2,650 seat increase), two new restroom/concession/storage buildings, replacement ball fields, two new tennis courts, replacement of the existing marquee sign at the intersection of Third Street and Chicago Avenue, storm drain improvements, and removal of 30 parking spaces. C-1

The project demonstrates a substantial community investment that will result in a tremendous asset to the students of John W. North High School and the City-at-large. In general, City staff supports the proposed project because it is consistent with the General Plan 2025 land use designation of Public Facilities/Institutions. Regarding the Draft Environmental Initial Study (IS) and the Proposed Mitigated Negative Declaration (MND) for the project, City staff reviewed the documents and offers the following comments: C-2

Section 3.1 Aesthetics

Item "C" of Aesthetics discussion of the IS states that the proposed project will have a less than significant impact with regard to substantially degrading the existing visual character or quality C-3

3900 Main Street • Riverside, CA 92522 • 951.826.5371 • fax 951.826.5981 • www.riversideca.gov

of the site and its surroundings and that no mitigation is required. However, City staff is concerned with certain elements of the project that have the potential to negatively impact the visual character and quality of the site and its surroundings as follows:

- Two cargo containers are proposed along the southern edge of the school in a highly visible location immediately adjacent to Linden Street. In order to minimize and mitigate the aesthetic impact along the street frontage and further ensure a less than significant aesthetic impact, the cargo containers need to be relocated to a less visible location within the campus or be screened from view from the street through methods such as a solid landscaped hedge. C-3 cont'd.

- The project includes replacement of an existing marquee pole sign at the corner of Chicago Avenue and Third Street. City staff requests that the sign conform to the Riverside Municipal Code, Title 19, Chapter 19.620, General Sign Provisions and the Citywide Design and Sign Guidelines. Given the sign's visibility on a prominent street corner, the upgraded sign needs to be designed to upgrade the aesthetic appearance of the corner.

Section 3.5 Cultural Resources

The IS Appendix B, "Cultural Resources Summary Report" prepared by McKenna et al., dated August 16, 2010, arbitrarily dismissed the high school as "too young for consideration as a significant cultural resource" given the school is only 45 years old. John W. North High School, built in 1964, was included in the City's Modernism Context Statement, which was approved by the City Council in April 2010. This document identified the school as an example of a building type associated with Modern architecture in Riverside. Both the IS and Appendix "B" of the document should have acknowledged this fact and assessed the proposed modifications within that context. Please note this correction for future reference. C-4

Section 3.12 Noise

Among the mitigation measures to address noise and vibration, Mitigation Measure 2 sets limits for construction activities between the hours of 7:00 a.m. to 8:00 p.m. These hours need to be amended to meet the requirements of the Riverside Municipal Code, Title 7, Noise. In the City of Riverside, construction activities are limited to the hours of 7:00 a.m. and 7:00 p.m. on weekdays and 8:00 a.m. and 5:00 p.m. on Saturdays. No construction activities are permitted on Sundays or federal holidays. C-5

Section 3.16 Transportation/Traffic

According to the City Traffic Engineer, mitigation for the traffic portion of the IS includes the scheduling of all major events outside of the PM peak hour, which is adequate mitigation. C-6

However, since there is a shortage of parking spaces for major events, the IS cites reliance on utilization of approximately 413 on-street parking spaces in the nearby commercial/industrial area. Since there are also residential uses in the vicinity of the school which will be negatively impacted by intrusion of event parking, proposed mitigation includes informing the students and C-7

parents of the availability of on-street parking in the industrial area, and discouraging parking in the residential area; however, this is not effective mitigation because there is no way to enforce compliance. The IS needs to include further analysis and mitigation of parking impacts. The City recommends that the school work out a shared parking agreement with the owners of parking lots within the commercial/industrial areas, or some form of parking restrictions be used in the residential area for protection from the intrusion of event parking. C-8 cont'd.

Regarding the proposed temporary parking of vehicles on paved basketball courts on the school campus, proposed Mitigation Measure 9 on Page 103 is inconsistent with the Municipal Separate Storm Sewer System (MS4) permitting requirements. Hosing down surface parking lots to remove automotive fluids, such as motor oil, grease, or coolant, is not an accepted practice and should not be considered as appropriate mitigation. Alternate methods must be recommended. C-9

Section 3.17 Utilities and Service Systems

The discussion on Page 104 of the IS for J.W. North High School - Facilities Master Plan needs to be updated to reflect the most current projections described in the City of Riverside Public Utilities (RPU) Department 2010 Urban Water Management Plan (UWMP). A copy of the RPU 2010 UWMP can be found at http://www.riversideca.gov/utilities/water-umwp.asp. Specifically, please note the following items:

1. All references to the 2005 UWMP should be updated to reference RPU's 2010 UWMP;
2. RPU's 2010 groundwater production can be found in Table 4-5 (84,731 acre-feet). RPU's total water supply in 2010 consisted of groundwater production plus recycled water (260 acre-feet) plus imported water (0 acre-feet); thus, RPU's total water supply equaled approximately 85,000 acre-feet in 2010; and, C-10
3. RPU's projected normal year water demand and supply for 2035 can be found in Table 5-5. The total available water supply in Table 5-5 includes imported water. Though the City does not plan on purchasing imported water, it is available if needed. Therefore, RPU projects an available surplus of more than 27,600 acre-feet in 2035.

Although the information in the IS needs to be updated, the conclusion remains the same – RPU has sufficient water supplies to meet J.W. North High School's projected increased demand.

In summary, based on the comments above, the IS needs to be revised to include corrections and further analysis and mitigation measures as appropriate to clearly demonstrate that environmental impacts of the project will be less than significant or can be mitigated to a less than significant level. C-11

Your cooperation with the City of Riverside is greatly appreciated and City staff looks forward to working with RUSD. If you have any questions regarding this letter, please contact Barbara Bouska, Associate Planner, at (951) 826-5507. C-11 cont'd.

Sincerely,

Steve Hayes, AICP
Interim City Planner

c: Ronald Loveridge, Mayor
Riverside City Council Members
Scott Barber, City Manager
Deanna Lorson, Assistant City Manager
Kristi Smith, Supervising Deputy City Attorney
Dan Chudy, Interim Community Development Director
Tom Boyd, Interim Public Works Director
Steve Libring, Traffic Engineer
Cliff Yarges, Associate Traffic Engineer
Rob Van Zanten, Principal Engineer
David H. Wright, Public Utilities General Manager
Kevin Milligan, Public Utilities Assistant General Manager/Water
Blake Yamamoto, Senior Water Engineer

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C. Response to Comments from the City of Riverside, Community Development Department, dated January 17, 2012.

C-1 The City of Riverside provided an overview of the proposed project description. This overview is inaccurate. The description erroneously states that the project involves the installation of a second swimming pool. The proposed project would remove the existing swimming pool and associated facilities and replace them with a new aquatic center. At project completion, there will only be one swimming pool.

C-2 The comment states that the City supports the proposed project because it is consistent with the General Plan 2025 land use designation of Public Facilities/Institutions. Comment is noted.

C-3 The comment suggests that the two cargo containers proposed along the southern boundary of the site along Linden Street be relocated to a less visible location on the campus or screened from Linden Street. The southern perimeter of the site includes a three- to four-foot hedge, separating the sidewalk from the school. There are also two cargo containers and batting cages currently placed between the hedge and the softball field. Figure 1, *Site Photograph*, illustrates the existing conditions of the project site along Linden Street. The two proposed cargo containers would be placed west of the batting cages, south of the future track and football field. As there is an existing hedge and similar uses along the southern boundary, placement of these new containers would be consistent with the existing condition and would not further degrade the visual quality of the site. Visual impacts, as discussed under Section 3.1(c) of the Draft MND/Initial Study, would remain less than significant, and the cargo containers will be left at the currently proposed location.

C-4 The comment requests that the proposed marquee sign at the corner of Chicago Avenue and Third Street comply with Section 19.620, General Sign Provisions, of the Riverside Municipal Code and the Citywide Design and Sign Guidelines. The intent of the new sign would be to upgrade the existing run-down sign with a similar sign that would serve the same purpose. As the replaced sign would be new, it would improve the aesthetic appearance from the existing conditions and have a beneficial impact. Nevertheless, as allowed by California Government Code Section 53094(b), the District Board of Education will consider, at their regular Board Meeting of February 6, 2012, approval of a resolution rendering inapplicable this code, as well as all other city zoning ordinances, including but not limited to height restrictions on the proposed field lighting poles. With the compliance with Government Code Section 53094(b), the District would not be required to meet the requirements of Section 19.620 of the Municipal Code and Citywide Design and Sign Guidelines.

C-5 The comment indicates that John W. North High School is an example of a building type associated with Modern architecture in Riverside, and the school was included in the City's Modernism Context Statement in April 2010. As provided in Chapter 3, *Revisions to the Circulated Draft MND*, of this Final MND, Section 3.5(a) of the Initial Study has been updated to reflect this new information. An addendum to the Cultural Resources Summary Report has also been prepared to reflect this information. The addendum is attached to this response letter. These changes do not affect the conclusions made in the Draft MND. Impacts to historical resources would remain less than significant.

C-6 The comment proposes to amend Mitigation Measure 2 so that the construction hours specified in the measure are consistent with Title 7, Noise, of the Riverside Municipal Code. Although the District is not required to adhere to the City's Municipal Code, this change has been made nonetheless. It is demonstrated in Chapter 3, *Revisions to the Circulated Draft MND,* of this Final MND. Impacts associated with construction noise would remain less than significant with the updated mitigation measure.

C-7 The comment refers to Mitigation Measure 8 and states that it is adequate mitigation to reduce traffic impacts to levels below significance. No response is necessary.

C-8 The comment suggests that Mitigation Measure 10 is inadequate to reduce potentially significant parking impacts and that the District should enter into a shared parking agreement with the owners of nearby commercial/industrial parking lots. The District has considered such an agreement, but has determined that it is not favorable because there would be a fee associated with renting the parking lots. In order to recoup the cost, the District would need to charge a fee for their use. It is likely that such a fee would discourage people from using the lots and they would continue to park on the streets.

The District, however, believes that Mitigation Measure 10, which proposes an educational program to discourage parking on residential streets, will work. Additionally, the District plans to monitor parking needs during high-capacity events at the football and track field.

Lastly, please note that Mitigation Measure 10 was not proposed to reduce potentially significant parking impacts. As discussed under section 3.16 (g) of the Draft MND, with on-street parking within the industrial areas, one-quarter mile from the proposed track and field, parking impacts associated with at-capacity events would be less than significant. For this reason, parking impacts were not identified significant in the Draft MND, and technically mitigation is <u>not</u> required and Mitigation Measure 10 can be eliminated. However, the District feels that Mitigation Measure 10 should remain as it would allow the District and school administrators to remain vigilant of the potential nuisance that could be created with possible parking associated with the track and field within the residential areas. Therefore, Mitigation Measure 10 will continue to be required as a part of project approval.

C-9 The comment states that Mitigation Measure 9 is inconsistent with the Municipal Separate Storm Sewer System (MS4) permitting requirements, and consequently would result in indirect impacts to water quality. The comment is noted. The District will not "hose down" the basketball court. The mitigation measure has been updated, as provided in Chapter 3 of this document.

C-10 The comment asserts that the City's most current information described in the City of Riverside Public Utilities 2010 Urban Water Management Plan (UWMP) concerning water supply should be utilized in the Initial Study. Revisions to the Initial Study have been made in Chapter 3, *Revisions to the Circulated Draft MND,* of this Final MND. As stated in the comment, the updated information does not affect the conclusions associated with water supply. Project impacts to water supply and infrastructure remain less than significant.

C-11 The comment concludes that the Initial Study needs to be revised based on the comment letter, to ensure that project impacts will be fully mitigated to less than significant levels. The District has adequately addressed the City's concerns associated with the Initial Study, as provided in Responses C-1 through C-10, and has determined that with the implementation of mitigation measures, as amended, the proposed project would not result in a significant impact to the environment. The District appreciates the City's continued support of its capital improvement projects.

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Site Photograph

View of existing cargo containers and batting cages along Linden Street.

NO SCALE

Source: Google Earth Pro 2010

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ADDENDUM REPORT:

A SUMMARY REPORT ON THE PROPOSED IMPROVEMENTS AT THE JOHN W. NORTH HIGH SCHOOL CAMPUS IN THE CITY OF RIVERSIDE, RIVERSIDE COUNTY, CALIFORNIA

- 1550 Third Street, Riverside, CA 92507 –

by:

Jeanette A. McKenna, Principal
McKenna et al., Whittier CA
January 18, 2012

INTRODUCTION

McKenna et al. initiated cultural resources investigations for the John W. North High School campus at 1550 Third Street, Riverside, California, at the request of The Planning Center, Los Angeles, California. These studies were initially completed in August, 2010, in support of a Mitigated Negative Declaration. Subsequently, McKenna et al. was informed the City of Riverside had completed a Modernism Context Statement (Nov. 2099; approved by the City in April, 2010) and this study referenced John W. North High School. McKenna et al. has amended the 2010 report to reflect this new information. These studies were completed by Jeanette A. McKenna (M.A.) and Kristina Lindgren (B.A.) of McKenna et al. Ms. McKenna is a Registered Professional Archaeologist (RPA) and meets the Secretary of the Interior standards for recognition as a professional cultural resource manager (Attachment 1).

PROJECT DESCRIPTION

The currently proposed project (improvements) at John W. North High School includes the modernization of the existing track, the football field (with the installation of artificial turf), improvements to the basketball and tennis courts, and pool. Proposed structures include a concession stand, restrooms, ticket booth, and covered bleachers. Solar panels will be installed at the pool, bleachers will be constructed at the track, and new lighting and a scoreboard will be added. A new gymnasium will also be constructed.

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JOHN W. NORTH HIGH SCHOOL

John W. North High School (Figures 1-3) is located at 1550 Third Street, Riverside, Riverside County, California. The existing campus was established in 1965 (constructed in 1964) and has a current enrollment of approximately 2600 students. The school was named for the founder of Riverside, who died at the age of 75 and is buried in Riverside (d. 1890).

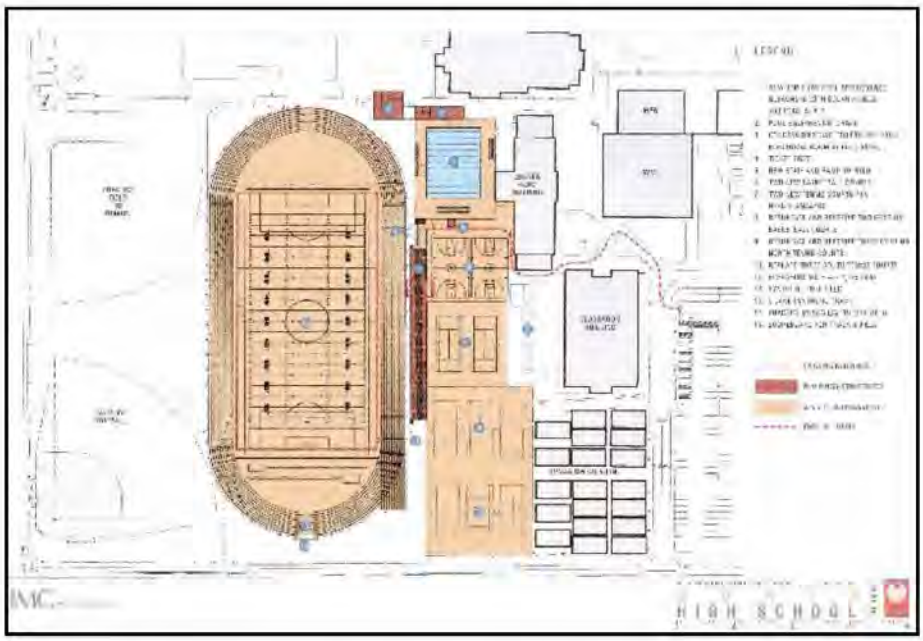

Figure 1. Proposed Improvements, John W. North High School.

The core area of the campus is located in the eastern portion of the campus. The proposed improvements will be completed in the fields to the west of the core complex. The existing campus was 45 years old in 2010 and is currently 47 years old, rendering it too young for consideration as a significant under federal guidelines and marginally eligible (by age) for state recognition. However, as noted in the City's Modernism Context Statement of 2009, the City of Riverside has no age requirement for local recognition.

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PREVIOUS RESEARCH

A standard archaeological records search was completed at the University of California, Riverside, Eastern Information Center. This research resulted in the identification of thirteen studies within a one-half mile radius of the John W. North campus (RI-2050, RI-3383, RI-3605, RI-3693, RI-4404, RI-4799, RI-4813, RI-5056, RI-5748, RI-5873, RI-6088, RI-6838, and 7169). None of these studies involved the school site. The City of Riverside Modernism Context Statement was not identified in the records search.

Figure 2. Aerial Overview of John W. North High School, Riverside, California.

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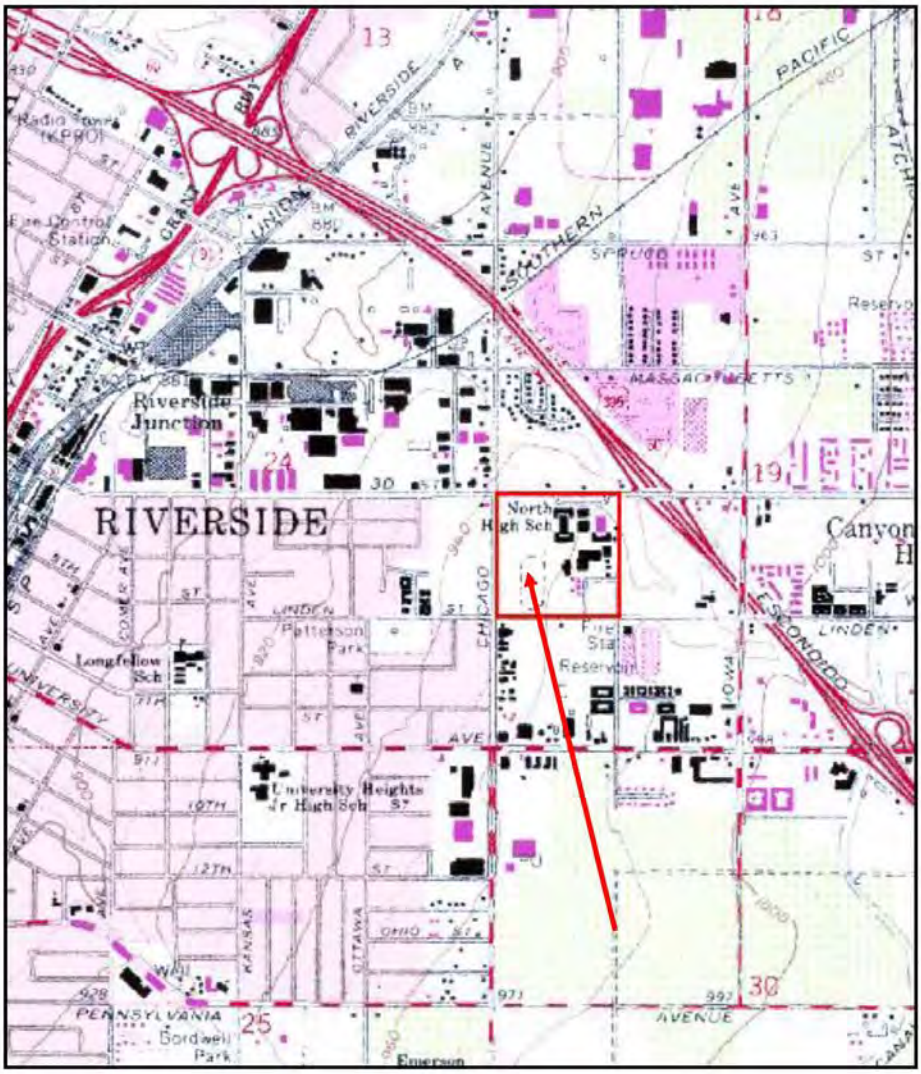

Figure 3. Specific Location of the Project Area.

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As a result of the studies listed above, a total of twenty-seven cultural resources were identified within one half mile of the project area (Table 1). The majority of these resources were recorded as a result of investigations for a proposed school site southeast of University Avenue and Ottawa Avenue (McKenna 2005).

Table 1. Resources Identified within One Half Mile of John W. North High School.

Site No.	Citation	Description	Location
33-009691	Kneisel et al. (1985)	Peter Weber House 1510 University Avenue Riverside City Landmark #52	Outside
33-009774	Ashkar (1999)	Southern Pacific Railroad	Outside
33-015155	McKenna (2005)	1886 University Avenue	Outside
33-015156	McKenna (2005)	3870 Ottawa Avenue	Outside
33-015157	McKenna (2005)	1810 University Avenue	Outside
33-015158	McKenna (2005)	3912 Ottawa Avenue	Outside
33-015159	McKenna (2005)	3940 Ottawa Avenue	Outside
33-015160	McKenna (2005)	1878 Ninth Street	Outside
33-015161	McKenna (2005)	1870 Ninth Street	Outside
33-015162	McKenna (2005)	1860 Ninth Street	Outside
33-015163	McKenna (2005)	1842 Ninth Street	Outside
33-015167	McKenna (2005)	1832 Ninth Street	Outside
33-015168	McKenna (2005)	1830 Ninth Street	Outside
33-015169	McKenna (2005)	1822 Ninth Street	Outside
33-015170	McKenna (2005)	1806 Ninth Street	Outside
33-015171	McKenna (2005)	3972 Ottawa Avenue	Outside
33-015172	McKenna (2005)	3982 Ottawa Avenue	Outside
33-015173	McKenna (2005)	1847 Tenth Street	Outside
33-015174	McKenna (2005)	1839 Tenth Street	Outside
33-015175	McKenna (2005)	1831 Tenth Street	Outside
33-015176	McKenna (2005)	1821 Tenth Street	Outside
33-015177	McKenna (2005)	4016-4038 Ottawa Avenue	Outside
33-015178	McKenna (2005)	1886 Tenth Street	Outside
33-015179	McKenna (2005)	1870 Tenth Street	Outside
33-015180	McKenna (2005)	1862 Tenth Street	Outside
33-015181	McKenna (2005)	1854 Tenth Street	Outside
33-015182	McKenna (2005)	1842 Tenth Street	Outside

The Peter Weber Residence at 1510 University Avenue was evaluated and determined to be eligible for listing in the National Register of Historic Places. However, it has not yet been listed.

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A review of historic maps showed the school site was associated with at least three structures (residences) prior to the redevelopment in ca. 1965. These residences were illustrated along the Third Street frontage and Chicago Avenue. There is a potential for historic archaeological resources in these three locations (the upper baseball fields).

A review of data provided by the Los Angeles County Museum of Natural History (McLeod 2004 and 2007; on file, McKenna et al.) has identified this general area as consisting of Quaternary alluvial deposits ranging in age from the late Pleistocene to the Holocene (older and younger alluvium). Shallow deposits in this area are not likely to yield evidence of fossil specimens. However, deeper deposits of older Quaternary alluvium may, in fact, yield such evidence. At this time, it is not likely that fossils will be present or identified within the project area, but should significant excavations be needed, care should be taken to protect, recover, and analyze any paleontological specimens that may be uncovered.

A review of the City of Riverside Modernism Context Statement (2009; on file, McKenna et al.) resulted in the identification of John W. North High School as one of 164 (+/-) properties within the City that were considered to be "individually significant properties." However, in reading through this report, it was also noted that the school was tentatively identified as a "7R" rating, meaning the property was not evaluated for the California Register of Historic Resources and only identified during a reconnaissance survey.

The first mention of John W. North High School was noted on page 30 of the Context Statement. Here, the school was identified as an educational property reflecting "... national trends in both plan and architecture." Subsequently, the school is listed in Appendix I as a property included in the Statement Study List. This same Modernism Context Statement included the recordation of 20 properties identified as "threatened." John W. North High School was not identified as a "threatened" property in 2009-2010 and was not formally recorded or assigned a state primary reference number.

McKenna et al. contacted the Native American Heritage Commission to inquire into the known presence/absence of Native American sacred or religious sites in the area. Results noted no evidence of any such resources and no listings for any such resources. It is unlikely that such resources will be present within the project area. If, however, potentially sacred or religious artifacts are identified within the project area, the Most Likely Descendant (MLD) for the local Native American community must be notified and permitted to consult with respect to the disposition of the resources.

CONCLUSION AND RECOMMENDATIONS

The currently proposed improvements to the John W. North High School campus in the City of Riverside are limited to improvements within the existing sports complex and will not involve any alterations to the existing campus complex. The school was constructed in 1964-1965 and, therefore, is not considered historically significant for evalua-

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tion via federal criteria. Its relative age does suggest it meets the minimal age requirement for consideration on the state level (CEQA = 45 to 50 years for evaluation purposes). The City of Riverside has no age requirements for consideration as a locally significant property and, based on the 2009 Context Statement, this property is tentatively considered significant on the local level for its architectural design as an example of Modernism.

McKenna et al. completed the initial studies in support of a Mitigated Negative Declaration in August of 2010 and provided a supplement in October, 2010. The McKenna et al. studies initially concluded the only sensitive areas of the campus for cultural resources were along Third Street and Chicago Avenue (the northern baseball fields), where early residences were once present. It is unlikely evidence of these early resources will be identified, given the extent of impacts to these areas, including the demolition of the residences. However, McKenna et al. recommends the School District be aware of this potential and have an archaeological consultant on-call to assess any cultural resources that may be uncovered as a result of the proposed campus improvements.

With respect to the existing High School, supplemental research and review of the City of Riverside Modernism Context Statement have resulted in the concurrence that the school buildings represent architectural design elements identified as representative of "Modernism." In this case, the elements are identifiable, but not unique. The limited scope of the proposed improvements to the campus will not involve any alterations to the school buildings and, therefore, McKenna et al. has concluded the proposed improvements will not result in any adverse environmental impacts. McKenna et al. has completed the DPR-523 forms for this school and has submitted them to the UCR Eastern Information Center for assignment of a permanent primary reference number.

Finally, it should be noted that if evidence of Native American resources is uncovered, a local Native American representative should be consulted to assist in the accurate recordation and recovery of the resource(s). If, at any time, evidence of human remains is identified, the County Coroner must be notified and all protocols followed.

Supplemental information is attached to this letter report. Questions regarding the information provided in this letter report should be directed to the author, Jeanette A. McKenna, at McKenna et al., Whittier, California.

Jeanette A. McKenna — January 18, 2012

Jeanette A. McKenna, Principal, McKenna et al. — Date

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3. Revisions to the Circulated Draft MND

3.1 INTRODUCTION

This section contains revisions to the Draft MND based upon (1) additional or revised information required to prepare a response to a specific comment; (2) applicable updated information that was not available at the time of Draft MND publication; and/or (3) typographical errors.

Changes made to the Draft MND are identified here in ~~strikeout text~~ to indicate deletions and in underlined text to signify additions.

3.2 DRAFT MND REVISIONS

Page 41, Section 3.5, Cultural Resources. The following revision has been made to respond to Comment C-5, as included in this Final MND.

3.5 CULTURAL RESOURCES

The information and analysis in this section is based partly on the following technical studies ~~study~~:

- McKenna et al. 2010, August 16. A Summary Report on the Proposed Improvements at the John W. North High School Campus in the City of Riverside, Riverside County, California.

This report is included in Appendix B of this document (Draft MND/Initial Study).

- McKenna et al. 2012, January 18. Addendum Report: A Summary Report on the Proposed Improvements at the John W. North High School Campus in the City of Riverside, Riverside County, California.

This report is attached to Comment Letter C of the Final MND.

Page 41, Section 3.5 (a), Cultural Resources. The following revision has been made to respond to Comment C-5, as included in this Final MND.

The John W. North High School campus was constructed in 1964–1965. In their cultural report, McKenna et al. concluded that, due to the relatively young age of the campus, the campus does not meet the age requirements of the National Register of Historic Places or requirements of the California Register of Historic Resources. Therefore it does ~~is~~ not qualify as historically significant under the federal and state programs ~~and contains no historic structures, buildings, or other historical resources~~. However, the City of Riverside has no age requirement for consideration of locally historically significant properties. In its 2009 Citywide Historic Modernism Context Statement, the City designated John W. North High School an example of a building type associated with Modern architecture. Since the proposed improvements are limited to the

existing sports facilities and would not involve any alterations to the existing structures, ~~I~~ implementation of the proposed project would not impact any identified historical resources on the site. No significant impact would occur, and no mitigation is required.

Page 69, Section 3.12 (d), Noise. The following revision has been made to respond to Comment C-6, as included in this Final MND.

Mitigation Measures

2. Construction activities, deliveries, and haul trucks shall be restricted to the daytime hours of 7:00 AM to ~~8:00 PM~~ 7:00 PM on weekdays and 8:00 AM to 5:00 PM on Saturdays. No construction activities shall be permitted on Sundays or federal holidays. These restrictions shall be applicable for the duration of the construction period.

Page 103, Section 3.16 (g), Transportation/Traffic. The following revision has been made to correct typographical errors in Mitigation Measure 9.

Mitigation Measures

9. Should ~~Use~~ the paved basketball courts be used as an overflow parking area during high-attendance events, immediately after the event, the morning after the event, and/or before the basketball courts are used for recreational purposes, the District, administrators at John W. North High School, and/or their delegates shall ~~hose down and~~ clean the ~~se~~ areas of the basketball court, as needed, where vehicles parked.

Page 104, Section 3.17 (b), Utilities and Service Systems. The following revision has been made to respond to Comment C-10, as included in this Final MND.

b) Require or result in the construction of new water or waste water treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. Riverside Public Utilities (RPU) provides water to the City of Riverside and ~~would~~ currently provides water to the project site. In 2010, RPU's water supplies consisted of 84,731 acre-feet (af) of groundwater from the Bunker Hill and Riverside Groundwater Basins and 260 af of recycled water. ~~In 2005 RPU's water supplies consisted of roughly 72,033 acre feet (af) of groundwater from the Bunker Hill and Riverside Groundwater Basins; 2,300 af of imported water imported from Northern California and obtained through the Western Municipal Water District (WMWD); and 200 af of recycled water. Thus, groundwater comprised roughly 97 percent of RPU's water supplies that year.~~ RPU forecasts in their 2010 ~~2005~~ Urban Water Management Plan that in normal-year water conditions in 2035 ~~2030~~, its total water supplies will be about 143,226 ~~116,421~~ acre-feet per year (afy) and total demands would be 115,600 ~~104,374~~ afy, for a surplus of supplies over demands of roughly 27,626 ~~12,047~~ afy. ~~Imported water obtained through WMWD is treated at the Metropolitan Water District of Southern California's Henry Mills Treatment Plant in the City of Riverside, which has a capacity of 326 million gallons per day or about 365,000 afy (MWDSC 2007).~~

Wastewater treatment service is provided to the project area by the City of Riverside Department of Public Works. The Riverside Regional Water Quality Control ~~Treatment~~ Plant has a design capacity of 40 million gallons per day (mgd), and the current average daily flow is approximately 34 ~~33~~ mgd. The City projects that wastewater generation within the area served by the treatment plant will increase to approximately 46 ~~53.9~~ mgd by 2015 ~~2030~~. The ultimate master planned capacity of the treatment plant is 52 ~~60~~ mgd, anticipated to be implemented by 2026, as stated in the 2010 ~~2005~~ RPU Department Urban Water Management Plan.

Page 109, Section 4.1, *Printed References*. The following revision has been made to respond to Comment C-5, as included in this Final MND.

McKenna et al. 2011, January 18. Addendum to a Summary Report on the Proposed Improvements at the John W. North High School Campus in the City of Riverside, Riverside County, California.

Page 109, Section 4.1, *Printed References*. The following revision has been made to respond to Comment 3-10, as included in this Final MND.

Riverside Public Utilities Department (RPU). 2011, July. Final 2010 Urban Water Management Plan. ~~2005, December 20. Urban Water Management Plan.~~

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Appendix A. Mitigation Monitoring and Reporting Program

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MITIGATION MONITORING AND REPORTING PROGRAM FOR:

JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION

prepared for:

RIVERSIDE UNIFIED SCHOOL DISTRICT

Contact:
Janet Dixon
Director, Planning and Development

prepared by:

THE PLANNING CENTER

Contact:
Barbara Wu Heyman
Director, School Facilities Planning

JANUARY 2012

MITIGATION MONITORING AND REPORTING PROGRAM FOR:

JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION

prepared for:

RIVERSIDE UNIFIED SCHOOL DISTRICT

3070 Washington Street
Riverside, CA 92504
951.788.7496 ext. 84003

Contact:
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Director, School Facilities Planning

RIV-12.0E

JANUARY 2012

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1. Introduction

When a lead agency adopts a Mitigated Negative Declaration (MND) for a proposed project, the agency must also adopt a program for the reporting or monitoring of mitigation measures identified in the MND. The primary purposes of the monitoring program are to ensure that the mitigation measures identified in the MND are implemented and that environmental effects are minimized. The monitoring program provides 1) a mechanism for giving agency staff and decision-makers feedback on the effectiveness of their actions; 2) a learning opportunity for improved mitigation measures on future projects; and 3) a means of identifying corrective actions, if necessary, before irreversible environmental damage occurs.

1.1 PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

This Mitigation Monitoring and Reporting Program has been developed to provide a vehicle by which to monitor mitigation measures and conditions of approval outlined in the John W. North High School Athletic Facilities Master Plan Completion MND, State Clearinghouse No. 2011121033. The Mitigation Monitoring and Reporting Program has been prepared in conformance with Section 21081.6 of the Public Resources Code and Riverside Unified School District monitoring requirements. Section 21081.6 states:

> (a) When making findings required by paragraph (1) of subdivision (a) of Section 21081 or when adopting a mitigated negative declaration pursuant to paragraph (2) of subdivision (c) of Section 21080, the following requirements shall apply:
>
> (1) The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead or responsible agency, prepare and submit a proposed reporting or monitoring program.
>
> (2) The lead agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based.

The Riverside Unified School District (District) is the lead agency under CEQA for the proposed John W. North High School Athletic Facilities Master Plan Completion project (Proposed Project). As the lead agency, the overall MMRP management, review of all monitoring reports, enforcement actions, and document disposition are the responsibility of the District. The District will be required to ensure that the mitigation measures identified in the subject MND, as adopted, are adequately implemented. The District may delegate duties and responsibilities to environmental monitors or other professionals, as warranted.

1.2 PROJECT LOCATION

The project site is within the campus of John W. North High School, at 1550 3rd Street in the City of Riverside, County of Riverside. The 36.5-acre campus covers Assessor's Parcel Numbers (APN) 250140006 and 250140007. The project site itself occupies approximately nine acres on three noncontiguous portions in

the western portion of the campus, including the existing football and track field, aquatic center, baseball and softball fields, tennis courts, basketball courts, staff parking lot, and the area of the existing marquee at the northwest corner of the campus, southeast corner of Chicago Avenue and 3rd Street.

1.3 SUMMARY OF PROPOSED PROJECT

The proposed project entails enhancing the existing swimming facilities, football/track field, ballfields, and hardcourt areas. The modernized aquatic center would include a 30-meter by 25-yard pool with deck lighting and covered bleachers, and a new building for storage and mechanical equipment. The improved lighted football/track field would have synthetic turf and a nine-lane, all-weather track. It would also include 3,400 permanent spectator seats, 2,650 seats more than the existing. The football/track field would also include two buildings for restroom and concession facilities, and storage. The existing softball and baseball field lights would be replaced. Two new tennis courts would be developed in the area of the existing basketball and volleyball courts, and two new basketball courts would be developed in the center of the campus, at an existing staff parking lot. The project would result in the loss of 30 parking spaces. The project also includes upgrading the existing marquee at the corner of 3rd Street and Chicago Avenue and would also result in storm drain system improvements.

1.4 ENVIRONMENTAL IMPACTS

An Initial Study was prepared to identify the potential effects on the environment from the construction and operation of the proposed project and to evaluate the significance of those effects. Based on the Initial Study, the proposed project would have no impact or less-than-significant environmental impacts related to the following issues:

- Aesthetics
- Agricultural and Forest Resources
- Biological Resources
- Cultural Resources
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Population and Housing
- Public Services
- Recreation
- Utilities and Service Systems

1.5 POTENTIALLY SIGNIFICANT ADVERSE IMPACTS THAT CAN BE MITIGATED, AVOIDED, OR SUBSTANTIALLY LESSENED

The environmental assessment presented in the Initial Study identified three environmental areas which would be potentially significantly impacted unless mitigation measures are incorporated into the project:

- Air Quality
- Noise and Vibration
- Transportation and Traffic

2. Mitigation Monitoring

2.1 MITIGATION MEASURES MATRIX

Project-specific mitigation measures have been categorized in matrix format, as shown in the table below. The mitigation matrix will serve as the basis for scheduling the implementation of and compliance with all mitigation measures. The matrix identifies the following information:

- Environmental area potentially impacted (e.g., air quality, noise and vibration, and traffic);
- Specific mitigation measures;
- Responsible party (the body that would implement the mitigation measures);
- Implementation phase (the stage of the project during which the required mitigation measure would be implemented);
- Enforcement agency (the body that would ensure that the mitigation is correctly and implemented in a timely manner);
- Monitoring agency (the body that would ensure that the mitigation is completed).

The matrix also includes a column for the monitor to verify completion of the mitigation measure, date of the monitoring activity, and any related remarks for each mitigation measure.

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Table 2-1
Mitigation Monitoring and Reporting Program

Mitigation Measure	Responsibility for Implementation	Timing	Responsibility for Monitoring	Monitor (Signature Required) (Date of Compliance)
AIR QUALITY				
1. The District shall specify in the construction bid that construction contractors are required to use construction equipment rated by the United States Environmental Protection Agency as having Tier 3 or higher exhaust emission limits (e.g., year 2006 model year or newer) for equipment over 50 horsepower. Tier 3 equipment shall be used onsite. Prior to the start of construction activities, the construction contractor shall provide a list of all operating equipment to the construction manager to confirm that the list complies with this mitigation measure. The construction equipment list shall state the makes, models, power output, and numbers of construction equipment onsite.	Riverside Unified School District (District), Construction Contractor, and Construction Manager	Prior to selecting the Construction Manager and during all construction efforts.	Construction Contractor and District	
NOISE AND VIBRATION				
2 Construction activities, deliveries, and haul trucks shall be restricted to the daytime hours of 7:00 AM to 7:00 PM on weekdays and 8:00 AM to 5:00 PM on Saturdays. No construction activities shall be permitted on Sundays or federal holidays. These restrictions shall be applicable for the duration of the construction period.	Construction Contractor and Construction Manager	During all construction efforts.	Construction Contractor and District	
3. Prior to the start of and for the duration of construction, the contractor shall properly maintain and tune all construction equipment in accordance with the manufacturer's recommendations to minimize noise emissions.	Construction Contractor and Construction Manager	Prior to the start of and during all construction efforts.	Construction Contractor and District	
4. Prior to use of any construction equipment, the contractor shall fit all equipment with properly operating mufflers, air intake silencers, and engine shrouds no less effective than as originally equipped by the manufacturer.	Construction Contractor and Construction Manager	Prior to the start of and during all construction efforts.	Construction Contractor and District	
5. The construction contractor shall post a sign, clearly visible onsite, with a contact name and telephone number of the Riverside Unified School District's authorized representative to respond in the event of a noise complaint.	Construction Contractor and Construction Manager	Prior to the start of and to remain during all construction efforts.	Construction Contractor and District	

Table 2-1
Mitigation Monitoring and Reporting Program

	Mitigation Measure	Responsibility for Implementation	Timing	Responsibility for Monitoring	Monitor (Signature Required) (Date of Compliance)
6.	Prior to construction, the Riverside Unified School District's construction contractor shall coordinate with the school administrator(s) for John W. North High School to discuss construction activities that generate high noise and vibration levels. Coordination between the school administrator(s) and the construction contractor shall continue on an as-needed basis throughout the construction phase of the project to avoid potential disruption of classroom activities.	Construction Contractor and Construction Manager	Prior to the start of and during all construction efforts.	Construction Contractor and District	
7.	During construction, the construction contractor shall place stationary construction equipment and material delivery (loading/unloading) areas a minimum of 100 feet from adjacent residential land uses and classroom buildings.	Construction Contractor and Construction Manager	Prior to the start of and during all construction efforts.	Construction Contractor and District	
TRANSPORTATION AND CIRCULATION					
8.	To ensure that site-generated traffic does not coincide with peak commuter traffic, the District and/or school shall not schedule any capacity-level events (or those with more than 2,500 spectators) to begin at times between 4:30 PM and 6:00 PM on Monday through Friday.	JW North High School Administrators	Prior to the start of each school year.	District	
9.	Should the paved basketball courts be used as an overflow parking area during high-attendance events, immediately after the event, the morning after the event, and/or before the basketball courts are used for recreational purposes, the District, administrators at John W. North High School and/or their delegates shall clean the areas of the basketball court, as needed, where vehicles parked.	JW North High School Administrators and/or school delegates (e.g., janitors)	After each use of the basketball courts as overflow parking.	District	
10.	Provide information to students and parents prior to each football season, prior to a rival football game, and prior to any other major event at the track and field (such as graduation) to discourage them from parking in the residential areas and to direct them to park on the industrial streets during times when the onsite parking lots are full.	JW North High School Administrators and/or school delegates (e.g., homeroom teachers)	Prior to high-attendance events at the track and field.	District	

MITIGATED NEGATIVE DECLARATION AND INITIAL STUDY FOR:

JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION

prepared for:

RIVERSIDE UNIFIED SCHOOL DISTRICT

Contact:
Janet Dixon
Director, Planning and Development

prepared by:

THE PLANNING CENTER

Contact:
Barbara Wu Heyman
Director, School Facilities Planning

DECEMBER 2011

Riverside Unified School District

Operations Division – Planning and Development

3070 Washington Street, Riverside, CA 92504-4697 •(951) 788-7496 • (951) 778-5646

JANET DIXON
Director, Planning and Development

December 9, 2011

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

PROJECT NAME: John W. North High School Athletic Facilities Master Plan Completion
COMMENT DUE DATE: 4:30 P.M., January 17, 2012

Notice is hereby given that Riverside Unified School District (District) has completed an Initial Study and Mitigated Negative Declaration (MND) for the project identified above in accordance with the California Environmental Quality Act (CEQA; Public Resources Code [PRC], §§ 21000 et seq.). Comments and concerns regarding the environmental issues associated with the proposed project are requested from individuals, agencies, and other organizations. For agencies reviewing this notice, we request your review as to the scope and content of the environmental information relevant to your agency's statutory responsibilities in connection with the proposed project. Your agency will need to use the MND prepared by the District for the proposed project when considering any permit or other approval that your agency must issue for the project.

PROJECT LOCATION: The proposed improvements are within John W. North High School, at 1550 3rd Street in the City of Riverside, Assessor's Parcel Numbers 250140006 and 250140007. The project would includes improvements on three noncontiguous areas within the campus, totaling 9 acres of the approximately 37-acre campus. The majority of the site is bound by Linden Street to the south, school athletic fields to the west and north, and school buildings to the east. The small eastern noncontiguous portion of the site is surrounded by school buildings in the center of the campus. The small northern noncontiguous portion is at the corner of Chicago Avenue and 3rd Street.

PROJECT DESCRIPTION: The proposed project entails enhancing the existing swimming facilities, football/track field, ball fields, and hardcourt areas. The modernized aquatic center would include a 30-meter by 25-yard pool with deck lighting and covered bleachers, and a new building for storage and mechanical equipment. The improved lighted football/track field would have synthetic turf and a nine-lane, all-weather track. It would also include 3,400 permanent spectator, 2,650 seats more than the existing. The football/track field would also include two buildings for restroom and concession facilities, and storage. The existing softball and baseball field lights would be replaced. Two new tennis courts would be developed in the area of the existing basketball and volleyball courts, and two new basketball courts would be developed in the center of the campus, at an existing staff parking lot. The project would result in the loss of 30 parking spaces. The project also includes upgrading the existing marquee at the corner of 3rd Street and Chicago Avenue and would also improve the storm drain system.

HAZARDOUS MATERIALS SITES: The project site was listed on several lists enumerated under Section 65962.5 of the Government Code, most commonly as generator of hazardous waste; however, these hazardous materials, such as janitorial supplies, are used in small quantities, are typical of hazardous materials used by high schools, and do not pose a considerable risk to site occupants.

REPOSITORIES: The MND can be downloaded on the District website at http://www.rusd.k12.ca.us. Hard copies are available for review at the following repositories:

John W. North High School 1550 3rd Street Riverside, California	Riverside Unified School District, Administrative Office 3380 14th Street Riverside, California	Riverside Unified School District Facilities Planning Office 3070 Washington Street Riverside, California	Eastside Branch Library 4033-C Chicago Avenue Riverside, California

SUBMISSION OF COMMENTS: The MND is available for a public review period from December 12, 2011 to January 17, 2012. Comments on the adequacy of the document shall be postmarked on or before Tuesday, January 17, 2012. Please address comments to Janet Dixon, Director, Planning and Development, at the Riverside Unified School District, 3070 Washington Street, Riverside, CA 92504. Comments can also be sent by fax to (951) 778-5646 or by e-mail to jdixon@rusd.k12.ca.us.

Public Meeting: The District Board of Education will consider adoption of the MND at a regular meeting, tentatively scheduled on February 6, 2012 at 5:30 p.m., or soon thereafter, at the boardroom at the Riverside Adult School, 6735 Magnolia Avenue, Riverside. For additional information and/or to confirm the date and time of the meeting, please contact Janet Dixon.

Innovation in Education

Riverside Unified School District

Operations Division – Planning and Development

3070 Washington Street, Riverside, CA 92504-4697 •(951) 788-7496 • (951) 778-5646

December 9, 2011

MITIGATED NEGATIVE DECLARATION

Pursuant to the California Environmental Quality Act, the Riverside Unified School District has completed this Mitigated Negative Declaration for the project described below based on the assessment presented in the attached Initial Study.

Lead Agency: Riverside Unified School District

Project Proponent: Riverside Unified School District

Project Title: John W. North High School Athletic Facilities Master Plan Completion

Project Location: The proposed improvements are within John W. North High School, at 1550 3rd Street in the City of Riverside, Assessor's Parcel Numbers 250140006 and 250140007. The project would make improvements on three noncontiguous areas within the campus, totaling 9 acres of the approximately 37-acre campus. The majority of the site is bound by Linden Street to the south, school athletic fields to the west and north, and school buildings to the east. The small eastern noncontiguous portion of the site is surrounded by school buildings in the center of the campus. The small northern noncontiguous portion is at the corner of Chicago Avenue and 3rd Street.

Project Description: The proposed project entails enhancing the existing swimming facilities, football and track field, ball fields, and hardcourt areas. The modernized aquatic center would include a 30-meter by 25-yard pool with deck lighting and covered bleachers, and a new building for storage and mechanical equipment. The improved lighted football and track field would have synthetic turf and a nine-lane, all-weather track. It would also include 3,400 permanent spectator, 2,650 seats more than the existing. The football and track field would also include two buildings for restroom and concession facilities, and storage. The existing softball and baseball field lights would be replaced. Two new tennis courts would be developed in the area of the existing basketball and volleyball courts, and two new basketball courts would be developed in the center of the campus, at an existing staff parking lot. The project would result in the loss of 30 parking spaces. The project also includes upgrading the existing marquee at the corner of 3rd Street and Chicago Avenue and would also improve the storm drain system.

Existing Conditions: John W. North High School is a comprehensive high school serving students in grades 9 through 12. School buildings and the parking areas are on the eastern portion of the school, while the athletic amenities are on the western portion. The baseball fields are at the northwestern corner, while the softball fields are on the southwestern corner. The football and track field are east of the softball fields, and the tennis courts and basketball courts are farther east. The swimming pool is north of the basketball courts and east of the football and track field.

The project site contains a portion of the athletic facilities and a small parking lot in the center of the campus. These athletic facilities include the football and track

field with 750 spectator seats, six asphalt basketball courts, three asphalt volleyball courts, a pool with 200 spectator seats, and several small auxiliary buildings, including storage containers and an enclosed area containing pool equipment. The school currently contains 442 parking stalls, including 81 visitor/staff stalls in the northern parking lot along 3rd Street, 335 stalls in the student parking lot off Linden Street, and 26 staff parking stalls in the interior of the campus.

John W. North High School has a robust athletic program. Fall sports include football, volleyball, cross country, girls tennis, and boys waterpolo. Winter sports include boys and girls basketball, boys and girls soccer, girls waterpolo, and wrestling. Spring sports include baseball, softball, golf, swimming, boys tennis, and track and field. Both boys and girls water polo meets are held at Sippy Woodhead Pool on University Avenue. Football, cross country, and girls tennis practice occur at the campus during the summer months. However, due to the size of the existing football field, home and tournament football games are played elsewhere. All of the existing facilities are used by the community when not in use by the school via the Civic Center Act (Education Code Sections 38130 through 38139).

Document Availability: Copies of the Mitigated Negative Declaration and supporting Initial Study for the John W. North High School Athletic Facilities Master Plan Completion project are available on the District website at http://www.rusd.k12.ca.us and also available for review at the following locations:

John W. North High School
1550 3rd Street
Riverside, California

Eastside Branch Library
4033-C Chicago Avenue
Riverside, California

Riverside Unified School District
Administrative Office
3380 14th Street
Riverside, California

Riverside Unified School District
Facilities Planning Office
3070 Washington Street
Riverside, California

Summary of Impacts: The attached Initial Study was prepared to identify the potential effects on the environment from the construction and operation of the proposed project and to evaluate the significance of those effects. Based on the Initial Study, the proposed project would have no impacts or less-than-significant environmental impacts related to the following issues:

- Aesthetics
- Agricultural and Forest Resources
- Biological Resources
- Cultural Resources
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Population and Housing
- Public Services
- Recreation
- Utilities and Service Systems

Significant Impacts: The environmental assessment presented in the Initial Study identifies three environmental areas which would be potentially significantly impacted unless mitigation measures are incorporated into the project:

- Air Quality
- Noise and Vibration
- Transportation and Traffic

Mitigation Measures: The mitigation measures listed below have been incorporated into the project and would effectively reduce all of the potentially significant environmental impacts identified in the Initial Study to less-than-significant levels.

Air Quality

1. The District shall specify in the construction bid that construction contractors are required to use construction equipment rated by the United States Environmental Protection Agency as having Tier 3 or higher exhaust emission limits (e.g., year 2006 model year or newer) for equipment over 50 horsepower. Tier 3 equipment shall be used onsite. Prior to the start of construction activities, the construction contractor shall provide a list of all operating equipment to the construction manager to confirm that the list complies with this mitigation measure. The construction equipment list shall state the makes, models, power output, and numbers of construction equipment onsite.

Noise and Vibration

2. Construction activities, deliveries, and haul trucks shall be restricted to the daytime hours of 7:00 AM to 8:00 PM for the duration of the construction period.

3. Prior to the start of and for the duration of construction, the contractor shall properly maintain and tune all construction equipment in accordance with the manufacturer's recommendations to minimize noise emissions.

4. Prior to use of any construction equipment, the contractor shall fit all equipment with properly operating mufflers, air intake silencers, and engine shrouds no less effective than as originally equipped by the manufacturer.

5. The construction contractor shall post a sign, clearly visible onsite, with a contact name and telephone number of the Riverside Unified School District's authorized representative to respond in the event of a noise complaint.

6. Prior to construction, the Riverside Unified School District's construction contractor shall coordinate with the school administrator(s) for John W. North High School to discuss construction activities that generate high noise and vibration levels. Coordination between the school administrator(s) and the construction contractor shall continue on an as-needed basis throughout the construction phase of the project to avoid potential disruption of classroom activities.

7. During construction, the construction contractor shall place stationary construction equipment and material delivery (loading/unloading) areas a

minimum of 100 feet from adjacent residential land uses and classroom buildings.

Transportation and Traffic

8. To ensure that site-generated traffic does not coincide with peak commuter traffic, the District and/or school shall not schedule any capacity-level events (or those with more than 2,500 spectators) to begin at times between 4:30 PM and 6:00 PM on Monday through Friday.

9. Use the paved basketball courts as an overflow parking area during high-attendance events. Immediately after the event, the morning after the event, and/or before the basketball courts are used for recreational purposes, the District, Administrators at John W. North High School and/or their delegates shall hose down and cleanse areas of the basketball court, as needed, where vehicles parked.

10. Provide information to students and parents prior to each football season, prior to a rival football game, and prior to any other major event at the stadium (such as graduation) to discourage them from parking in the residential areas and to direct them to park on the industrial streets during times when the onsite parking lots are full.

INITIAL STUDY FOR:

JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION

prepared for:

RIVERSIDE UNIFIED SCHOOL DISTRICT

3070 Washington Street
Riverside, CA 92504
951.788.7496 ext. 84003

Contact:
Janet Dixon
Director, Planning and Development

prepared by:

THE PLANNING CENTER

3 MacArthur Place
Santa Ana, CA 92707
Tel: 714.966.9220 • Fax: 714.966.9221
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Website: www.planningcenter.com

Contact:
Barbara Wu Heyman
Director, School Facilities Planning

RIV-12.0E

DECEMBER 2011

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APPENDICES

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Figure **Page**

List of Tables

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1. Introduction

The Riverside Unified School District (District) is seeking approval from the District Board of Education for the John W. North High School Athletic Facilities Master Plan Completion project (Proposed Project). The project would make improvements to the athletic facilities at John W. North High School in the City of Riverside.

This document has been completed in accordance with the California Environmental Quality Act (CEQA; Public Resources Code [PRC], §§ 21000 et seq.). All projects within the State of California are required to undergo an environmental review to determine the environmental impacts associated with implementation of the project in accordance with CEQA. CEQA was enacted in 1970 by the California Legislature to disclose to decision makers and the public the significant environmental effects of proposed activities and the ways to avoid or reduce the environmental effects by requiring implementation of feasible alternatives or mitigation measures. CEQA applies to all California government agencies at all levels, including local agencies, regional agencies, and state agencies, boards, commissions, and special districts. In accordance with Section 15367 of the CEQA Guidelines, the District is the lead agency for the proposed project, since it is "the public agency which has the principal responsibility for carrying out or approving the project."

1.1 PROJECT LOCATION

The project site is within the campus of John W. North High School, at 1550 3rd Street in the City of Riverside, County of Riverside. The 36.5-acre campus covers Assessor's Parcel Numbers (APN) 250140006 and 250140007. The campus is bound by 3rd Street to the north, Chicago Avenue to the west, Linden Street to the south, and commercial uses to the east. Regional access to the campus is provided by Interstate 215 (I-215), approximately 1,000 feet northeast of the project site.

The project site itself occupies approximately nine acres on three noncontiguous portions of APN 250140006, in the western portion of the campus. The majority of the project site is bound by Linden Street to the south, school athletic fields to the west and north, and school buildings to the east. The small eastern noncontiguous portion of the site is surrounded by school buildings in the center of the main campus. The small northern noncontiguous portion is at the corner of Chicago Avenue and 3rd Street. The project location is shown in Figure 1, *Regional Location*, and Figure 2, *Local Vicinity*.

1.2 ENVIRONMENTAL SETTING

1.2.1 Existing Land Use

John W. North High School is a comprehensive high school and serves students in grades 9 through 12. During the 2011–2012 school year, it had an enrollment of 2,517 students, as listed in the California Department of Education DataQuest online database. The typical school year is between the months of August and June. Summer school is occasionally provided in July.

John W. North High School has a robust athletic program. Fall sports include football, volleyball, cross country, girls tennis, and boys waterpolo. Winter sports include boys and girls basketball, boys and girls soccer, girls waterpolo, and wrestling. Spring sports include baseball, softball, golf, swimming, boys tennis, and track and field. Both boys and girls water polo meets are held at Sippy Woodhead Pool on University Avenue. Football, cross country, and girls tennis practice occur at the campus during the summer months.

However, due to the size of the existing football field, home and tournament football games are played elsewhere. All of the existing facilities are used by the community when not in use by the school via the Civic Center Act (Education Code Sections 38130 through 38139).

School buildings and the parking areas are on the eastern portion of the school, while the athletic amenities are on the western portion. The baseball fields are at the northwestern corner, while the softball fields are on the southwestern corner. The track and football field are east of the softball fields, and the tennis courts and basketball courts are farther east. The swimming pool is north of the basketball courts and east of the track and football field.

The project site contains a portion of the athletic facilities and a small parking lot in the center of the campus. These athletic facilities include the track and football field with 750 spectator seats, six asphalt basketball courts, three asphalt volleyball courts, a pool with 200 spectator seats, and several small auxiliary buildings, including storage containers and an enclosed area containing pool equipment. The school currently contains 442 parking stalls, including 81 visitor/staff stalls in the northern parking lot along 3rd Street, 335 stalls in the student parking lot off Linden Street, and 26 staff parking stalls in the interior of the campus. The project site is illustrated in Figure 3, *Aerial Photograph*. Photographs of the project site are included in Figure 4, *Site Photographs*.

The District has plans already underway to improve the outdoor tennis courts on the campus through use of a Community Development Block Grant (CDBG). The southernmost three tennis courts will be replaced, and the northernmost three will be refurbished. There is a joint use agreement between the District and City of Riverside for City use and operation of these tennis courts. The District found these improvements and their operation to be exempt from CEQA, and on November 18, 2010, filed a Notice of Exemption with the Riverside County Clerk.

1.2.2 Surrounding Land Use

The John W. North High School campus is in an area generally characterized by residential, commercial and industrial uses. Multiple-family residential buildings are south and west of the campus. Industrial facilities are directly across Linden Street from the campus. Immediately northeast of the campus is a shallow dirt ditch, and industrial uses immediately beyond that. The I-215 passes approximately 1,000 feet northeast of the project site. Patterson Park is approximately 900 feet west of the site. The nearest agricultural uses are approximately 2,000 feet south of the project site.

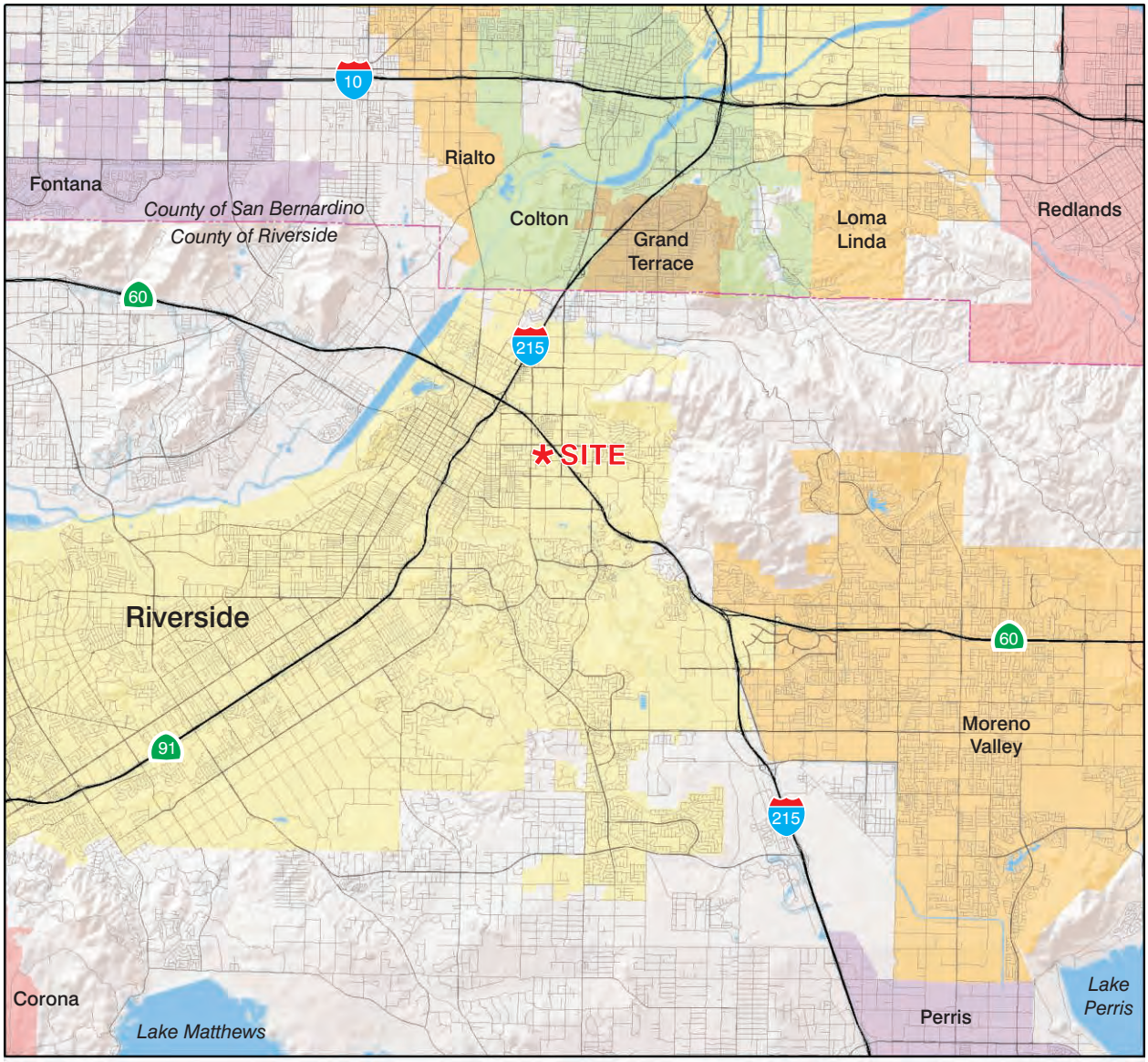
1.3 PROJECT DESCRIPTION

As a part of the John W. North High School Athletic Facilities Master Plan Completion project, the District is proposing to update and make improvements to the campus's recreational facilities and amenities. The improvements would be funded by Measure B, a $175 million bond measure voters approved in 2001, and the City of Riverside Redevelopment Agency (RDA) funds. No state or federal funds would be used.

1.3.1 Proposed Improvements

All proposed improvements would be compliant with requirements of the American with Disabilities Act (ADA) and meet California Building Code requirements. Figure 5, *Site Plan,* illustrates the proposed improvements.

Regional Location



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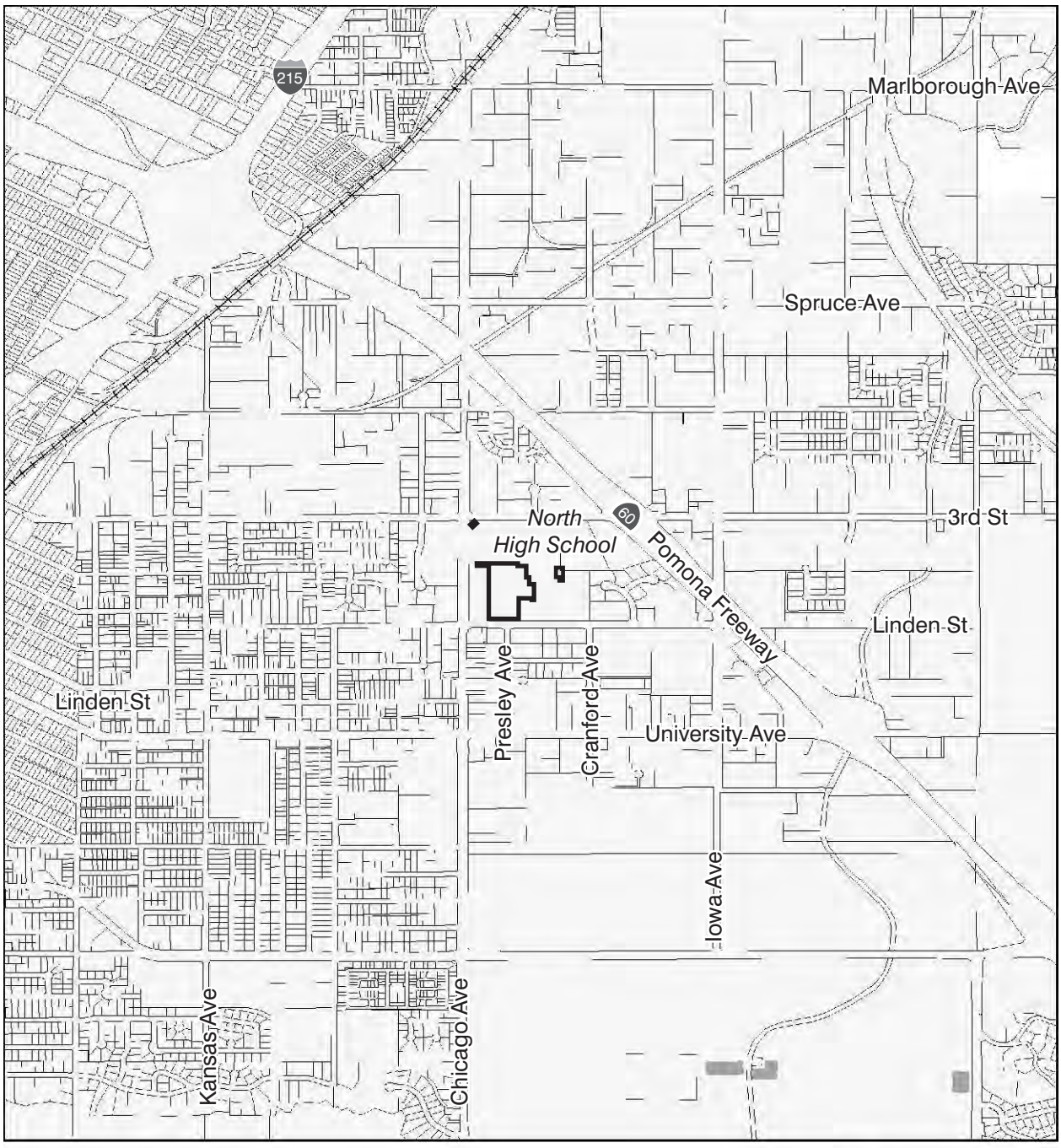
Local Vicinity



Site Boundary

0 2,000
Scale (Feet)

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Aerial Photograph

Project Site

0 430
Scale (Feet)

Source: Google Earth Pro 2010

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Site Photographs

View northeast, across track and field towards school buildings.

Existing marquee at the intersection of Chicago Avenue and 3rd Street.

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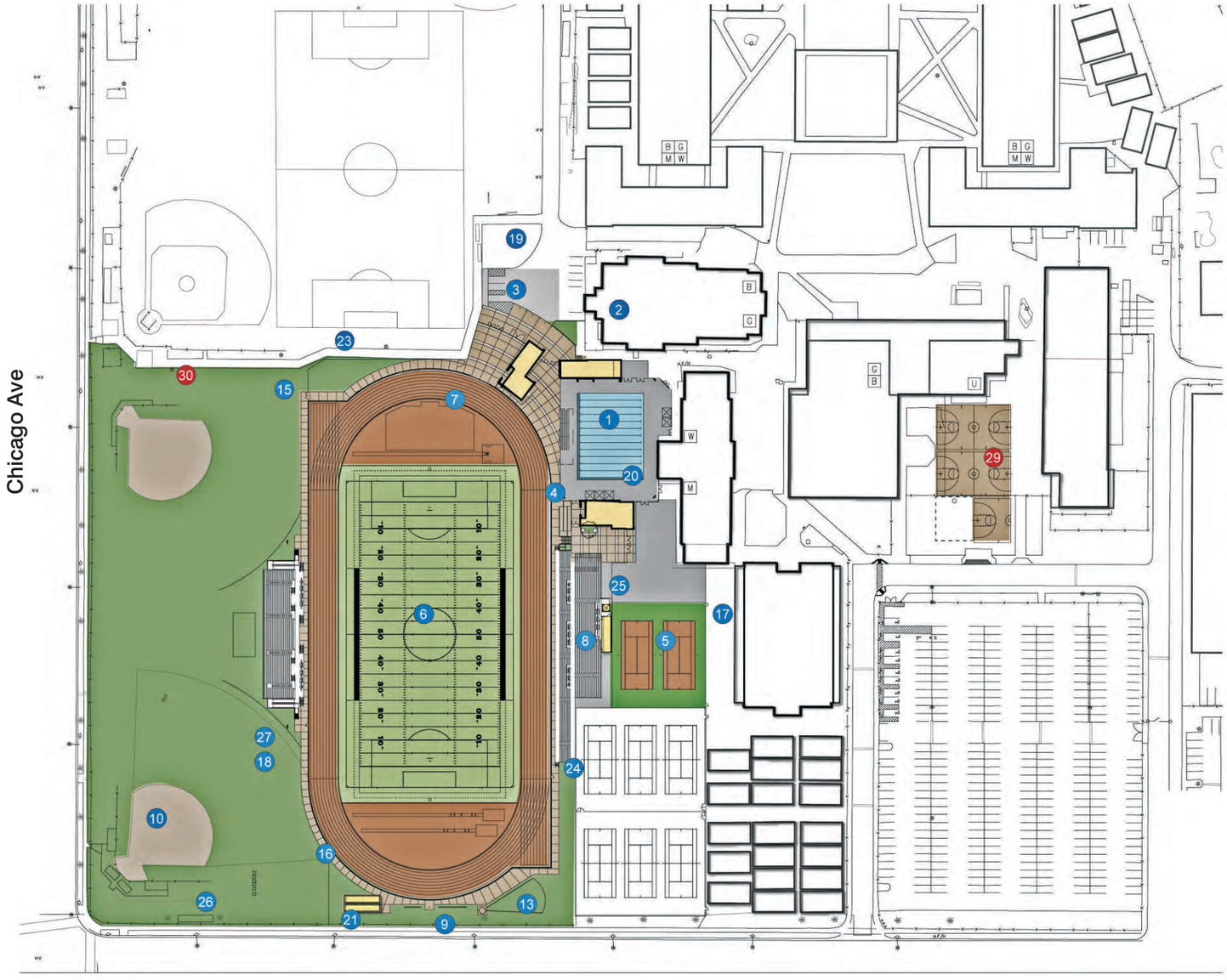
Site Plan



LEGEND

1. NEW 30M X25Y POOL AND COVERED BLEACHERS WITH SOLAR PANELS: 200 SEATS TOTAL
2. POOL EQUIPMENT AND STORAGE (1,430 S.F.)
3. TICKET,CONCESSION STAND, RESTROOMS AND DATA/ELECTRICAL ROOM AT FIELD LEVEL (1,440 S.F.)
4. NEW STAIR AND RAMP TO FIELD
5. TWO NEW TENNIS COURTS PER NFHS STANDARDS
6. SYNTHETIC TURF FIELD
7. 9-LANE SYNTHETIC TRACK
8. BLEACHERS (HOME=2,100 SEATS, VISITORS = 1,300 SEATS)
9. SCOREBOARDS FOR TRACK AND FIELD + FLAG POLE
10. EXISTING VARSITY SOFTBALL FIELD
11. NOT USED
12. NOT USED
13. NEW SHOT PUT AREA
14. NOT USED
15. 8' PERIMETER FENCE
16. 4' HIGH FENCE AT TRACK PERIMETER
17. 10' HIGH TENNIS COURT FENCE
18. COMPETITION LEVEL LIGHTING
19. ACCESSIBLE PARKING
20. TICKET,CONCESSION STAND, RESTROOMS AND DATA/ELECTRICAL ROOM AT UPPER LEVEL (1,645 S.F.)
21. TRACK STORAGE / CARGO CONTAINERS
23. ADDED FLATWORK TO ACCESS VISITOR BLEACHERS
24. ENHANCED AUDIO SOUND SYSTEM
25. PRESS BOX AT 400 SF WITH ELEVATOR
26. SCORE BOARDS FOR VARSITY BASEBALL AND VARSITY SOFTBALL
27. MUSCO LIGHTING FIXTURES ADDED TO STADIUM POLES FOR LIGHTING OF PLAY FIELDS
29. INSTALL 2 1/2 NEW BASKETBALL COURTS
30. REPLACE VARSITY PLAYING FIELDS LIGHTS (5 POLES)

0 100
Scale (Feet)

Source: HMC Architects 2011

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Track and Football Stadium

The football and track field would be renovated with synthetic turf and a nine-lane all-weather track. A new shot put area would also be developed near the southeast corner of the field. A drainage system would be installed to collect stormwater in a detention basin prior to its release into the City's storm drains.

The existing wooden bleachers of 750 spectator seats would be removed and replaced by 2,100 aluminum home seats east of the field and 1,300 aluminum visitor seats west of the field, for a total of 3,400 permanent spectator seats. A 400-square-foot press box with an elevator would be created on the home stand.

Four new light poles that are 90 feet in height would be installed around the track and field. The PA speakers would be installed on these poles. The existing scoreboard would be replaced with a new scoreboard south of the track and field. A shot put area would be created southeast of the track and field. Cargo containers for track storage would be placed south of the track and field. Perimeter fencing would be installed to separate the track and field from the softball fields.

A structure housing a concession stand, ticket booth, restroom building, and data/electrical room, totaling 1,440 square feet, proposed northeast of the track and field, would be built to serve the track complex. A second building of 1,645 square feet housing a concession stand, ticket booth, and restrooms would be built east of the track and field complex just south of the pool and will serve both the stadium and aquatic facility.

Aquatic Center

The existing aquatic facilities would be enhanced with a 30-meter by 25-yard pool, including deck lighting and covered bleachers. Deck lighting would be installed to provide lighting of the pool for evening use. Four new light poles would be installed. Three would be 60 feet tall, and the other 90 feet. A total of 200 bleacher seats would be provided for spectator viewing, resulting in no net change in spectator seating at the aquatic center. The pool would be heated by a combination of solar thermal heating and a boiler. A new building of 1,430 square feet would be constructed to house the thermal heating elements, boiler, other mechanical equipment, and storage for the aquatics facility.

Baseball and Softball Fields

New scoreboards will be installed on the varsity baseball and softball fields. The five existing light poles on the varsity baseball field would be removed, and four new poles, 70 feet in height, would be installed. The new lighting would be more directed and would create less spill light than the existing lighting.

New practice lights would also be installed for the softball fields west of the track and field. These new practice lights would be installed on the two proposed track and field lighting poles between the softball fields and track and field.

Tennis and Basketball Courts

The existing volleyball and basketball courts, north of the tennis courts and east of the track and field, would be removed, and two new tennis courts would be constructed in their place. They would meet NFHS (National Federation of High School) standards. This improvement would result in the net loss of four full basketball courts and three volleyball courts, and a net gain of two tennis courts. As stated in Section 1.2.1, the existing tennis courts are currently being improved through a CDBG and would not be altered by this project. These CDBG-funded improvements are not a part of the proposed project.

Two new full basketball courts and one half basketball court would be created in the center of the campus in place of an existing staff parking lot. The basketball courts would be surrounded by school buildings, separate from the other athletic facilities on the site.

Parking

The creation of the proposed new basketball courts would result in the loss of 30 parking spaces, but the proposed basketball courts would be made available for overflow parking. The project also includes the creation of three new accessible parking spaces north of the proposed football and track field ticket and concession building.

Marquee

The proposed project would also include the replacement of the existing marquee at the corner of Chicago Avenue and 3rd Street. The new marquee would be in the same location and be of similar height and mass as that of the existing.

Storm Drain System

The project includes improvements to the existing storm drain system. A new system will be installed west of the new stadium bleachers in the open turf area between the existing softball fields. Nearly the entire newly developed site's drainage would be conveyed toward a series of subsurface storage chambers that will have the capacity to capture and retain a 2-year storm event. The site storage chambers will be designed to treat the stormwater runoff and detain the volumes of postdeveloped storm events and release them at a rate that is lower than the predeveloped condition.

1.3.2 Proposed Operation

The proposed project would result in increased sports programs at the school. Approximately five varsity football games per year would be held at the site. Home games have historically been played elsewhere. The site would also be able to host larger track and field meets than are currently held. Additionally, water polo meets would be hosted at the proposed aquatics facility. Graduation ceremonies, currently held off campus, would also be held in the proposed new track and field area and seating.

The proposed project does not propose joint use of the new amenities. However, with the new lights and improvements, the fields and aquatic center would likely be used more often and in the evening, as they would continue to be made available to the public under the Civic Center Act.

1.3.3 Project Phasing

The total development area is approximately nine acres. Construction would be completed in three phases, commencing in summer 2012 and completed by summer 2013, as follows:

Phase 1 includes construction of the basketball courts. This phase includes 1.7 acres of new construction. Construction of Phase 1 would take place in the summer of 2012.

Phase 2 includes construction of the aquatics center on a 0.48-acre area. Construction would take place between the summer 2012 and spring 2013.

Phase 3 first includes improvements of the track and field, associated structures, and tennis courts, and then the improvements to the baseball fields and softball fields. Phase 3 includes a construction area of 2.6 acres. Construction would take place between summer 2012 and summer 2013.

In order to avoid conflicts between construction activities and normal high school operations, a construction worksite traffic control plan would be implemented by the District to identify haul routes, hours of operation, protective devices, warning signs, and access. The active construction and staging areas would be clearly marked with barriers installed to separate these areas from pedestrian routes and classroom areas. The staging area would be created north of the track and field, where new accessible parking is proposed.

1.4 EXISTING ZONING AND GENERAL PLAN

The southern portion of the project site, fronting Linden Street, is zoned R-3-1500, and the remainder of the site is zoned R-1-7000. According to the Permitted Uses Table in the City of Riverside Municipal Code Chapter 19.150, school uses are permitted in R-3 zones and permitted with a conditional use permit in R-1 zones. The General Plan land use designation for the campus is PF (Public Facilities/Institutional), which is intended for public facilities including schools.

1.5 RESPONSIBLE AND REVIEWING AGENCIES

A public agency other than the lead agency that has discretionary approval power over a project is a responsible agency, as defined by CEQA Guidelines. Other agencies that provide guidance but have no direct permitting authority or approval are known as a reviewing agencies.

1.5.1 Responsible Agencies

- Division of the State Architect (approval of structural improvements taller than six feet, fire and life safety requirements, and Americans with Disabilities Act compliance)
- Santa Ana Regional Water Quality Control Board (National Pollution Discharge Elimination System Permit, issuance of waste discharge requirement, construction of stormwater runoff permits)
- City of Riverside Public Works (approval of offsite improvements permits, such as grading and drainage plans, and various street and signage improvements, if required).
- Riverside Fire Department (approval of the fire access and safety plan)

1.5.2 Reviewing Agencies

- Office of Historic Preservation
- California Highway Patrol
- Department of Transportation (Caltrans)
- Department of Fish and Game
- Native American Heritage Commission
- Riverside Fire Department
- South Coast Air Quality Management District

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2. Environmental Checklist

2.1 BACKGROUND

1. Project Title: John W. North High School Athletic Facilities Master Plan Completion

2. Lead Agency Name and Address:
Riverside Unified School District
3380 14th Street
Riverside, CA 92501

3. Contact Person and Phone Number:
Janet Dixon, Director of Planning and Development
951.788.7496, ext. 84003

4. Project Location:
The project site is within the campus of John W. North High School, at 1550 3rd Street in the City of Riverside, County of Riverside. The project site occupies approximately nine acres of APN 250140006.

5. Project Sponsor's Name and Address:
Riverside Unified School District
Planning and Development Department
3070 Washington Street
Riverside, CA 92504

6. General Plan Designation:
The General Plan land use designation for the campus is PF (Public Facilities/Institutional)

7. Zoning:
The southern portion of the project site, fronting Linden Street, is zoned R-3-1500, and the remainder of the site is zoned R-1-7000.

8. Description of Project:
The proposed action entails the planning, designing, construction, and operation of the John W. North High School Athletic Facilities Master Plan Completion project. The proposed project includes modernizing the existing track and football field, aquatics center, tennis and basketball courts, softball fields, and associated amenities. A detailed description is provided in Section 1.3 of this document.

9. Surrounding Land Uses and Setting:
The John W. North High School campus is in an area generally characterized by commercial and industrial uses. Industrial facilities are directly across Linden Street from the project site. Multiple-family residential uses are also south and west of the site. The I-215 passes approximately 1,000 feet northeast of the project site.

10. Other Public Agencies Whose Approval Is Required:

- Division of the State Architect (approval of structural improvements taller than six feet, fire and life safety requirements, Americans with Disabilities Act compliance)

- Santa Ana Regional Water Quality Control Board (National Pollution Discharge Elimination System Permit; issuance of waste discharge requirement; construction of stormwater runoff permits)

- City of Riverside Public Works (approval of offsite improvements permits, such as grading and drainage plans; permits for curb cuts for new driveways; and various street and signage improvements, if required).

- Riverside Fire Department (approval of the fire access and safety plan)

2.2 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agricultural and Forest Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Geology / Soils
☐ Greenhouse Gas Emissions	☐ Hazards & Hazardous Materials	☐ Hydrology / Water Quality
☐ Land Use / Planning	☐ Mineral Resources	☐ Noise
☐ Population / Housing	☐ Public Services	☐ Recreation
☐ Transportation / Traffic	☐ Utilities / Service Systems	☐ Mandatory Findings of Significance

2.3 DETERMINATION (TO BE COMPLETED BY THE LEAD AGENCY)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Janet Dixon — 12/7/11

Signature — *Date*

Janet Dixon —

Printed Name — *For*

2.4 EVALUATION OF ENVIRONMENTAL IMPACTS

1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors, as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.

5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:

   a) **Earlier Analyses Used.** Identify and state where they are available for review.

   b) **Impacts Adequately Addressed.** Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

   c) **Mitigation Measures.** For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated. A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

9) The explanation of each issue should identify:

   a) the significance criteria or threshold, if any, used to evaluate each question; and

   b) the mitigation measure identified, if any, to reduce the impact to less than significant.

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
c) Substantially degrade the existing visual character or quality of the site and its surroundings?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	
II. AGRICULTURE AND FOREST RESOURCES. **In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:**				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X
III. AIR QUALITY. **Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:**				
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?			X	
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			X	

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
d) Expose sensitive receptors to substantial pollutant concentrations?		X		
e) Create objectionable odors affecting a substantial number of people?			X	
IV. BIOLOGICAL RESOURCES. Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?				X
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?				X
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				X
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				X
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?			X	
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			X	
d) Disturb any human remains, including those interred outside of formal cemeteries?			X	

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. GEOLOGY AND SOILS. Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map, issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.				X
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?				X
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X
VII. GREENHOUSE GAS EMISSIONS. Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	
VIII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?			X	

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?				X
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?				X
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?				X
IX. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements?			X	
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in a substantial erosion or siltation on- or off-site			X	
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?			X	
e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?			X	
f) Otherwise substantially degrade water quality?			X	
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				X
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				X
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?				X
j) Inundation by seiche, tsunami, or mudflow?				X

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?				X
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?			X	
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?				X
XI. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X
XII. NOISE. Would the project result in:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?			X	
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?			X	
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?		X		
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			X	
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?			X	
XIII. POPULATION AND HOUSING. Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				X

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. PUBLIC SERVICES. **Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:**				
a) Fire protection?			X	
b) Police protection?			X	
c) Schools?				X
d) Parks?				X
e) Other public facilities?				X
XV. RECREATION.				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			X	
XVI. TRANSPORTATION/TRAFFIC. **Would the project:**				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?		X		
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?			X	
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?				X
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
e) Result in inadequate emergency access?			X	
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?			X	
g) Result in inadequate parking capacity?		X		

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. UTILITIES AND SERVICE SYSTEMS. Would the project:				
a) Exceed waste water treatment requirements of the applicable Regional Water Quality Control Board?			X	
b) Require or result in the construction of new water or waste water treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
d) Have sufficient water supplies available to serve the project from existing entitlements and resources or are new or expanded entitlements needed?			X	
e) Result in a determination by the waste water treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			X	
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?			X	
g) Comply with federal, state, and local statutes and regulations related to solid waste?			X	
XVIII. MANDATORY FINDINGS OF SIGNIFICANCE.				
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			X	
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)		X		
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?		X		

3. Environmental Analysis

Section 2.4 provided a checklist of environmental impacts. This section provides an evaluation of the impact categories and questions contained in the checklist, and identifies mitigation measures, if applicable.

3.1 AESTHETICS

a) Have a substantial adverse effect on a scenic vista?

No Impact. The project site consists of a portion of the existing John W. North High School campus. The surrounding area is developed with residential, commercial, and industrial uses. Scenic resources defined in the City of Riverside General Plan 2025 include the hillsides and ridgelines above the City. Scenic vistas from the project site include the San Bernardino Mountains north and northeast of the campus, and hills scattered in the Riverside area. The proposed project would make improvements to existing athletic fields on the site. Proposed new structures would replace similar existing structures. No tall buildings or other highly visible structures would be created, and the visual appearance of the project site would be similar to the existing conditions. The project would not have an adverse effect on any scenic vistas. No impact would occur, and no mitigation is required.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. The project site is not within a state scenic highway. The nearest designated state scenic highway to the project site is a portion of State Route 91 (SR-91) about 25 miles west of the project site, as listed on the California Department of Transportation California Scenic Highway Mapping System. The nearest Scenic Boulevard, as designated in the City of Riverside General Plan 2025 Circulation and Community Mobility Element, is University Avenue, approximately one-quarter mile south of the project site, and the project site is not highly visible from this roadway. The project site is not associated with any designated scenic resources. The project would not impact any scenic resources within a state scenic highway. No impact would occur, and no mitigation is required.

c) Substantially degrade the existing visual character or quality of the site and its surroundings?

Less Than Significant Impact. The proposed improvements would be implemented within the existing campus. New buildings would be constructed in the center of the campus, away from public views along the surrounding roadways. Improvements to the baseball and softball fields as well as the track and football field would enhance the conditions of the existing facilities and consequently improve the aesthetics of the campus. As no tall buildings or other highly visible structures would be created, and the visual appearance of the project site would be similar to the existing environment, visual impacts associated with the improvements would not be significant, and no mitigation is required.

d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

Less Than Significant Impact. The proposed project would include the installation of full competition lights at the football field and the aquatics center and new practice lighting at the softball fields west of the track

and field, as well as the replacement of practice lighting at the softball fields. The new lights would include hoods, filtering louvers, glare shields, and lamp arc caps to shield the lights. As the football field, aquatics center, and softball field do not currently include nighttime lighting, the project would increase the amount of lighting at the site. The proposed project also includes the installation of new scoreboards at the varsity baseball and softball fields and replacement of the existing football scoreboard near Linden Avenue and the existing lighted marquee at the intersection of Chicago Avenue and 3rd Street.

Light and glare are determined to have a significant impact if the project would create substantial glare or if project lighting would substantially exceed established lighting standards typical in the area. Lighting and illumination are measured in a unit of light intensity called a "foot-candle." There are no acceptable limits for light and glare defined by regulations or requirements that apply to the District. The Los Angeles Unified School District, in its Program EIR for their New School Construction Program, defines a threshold of "no more than two foot-candles, measured at the residential property line." The International Dark-Sky Association, however, recommends a threshold of 0.5 horizontal foot-candle at a distance of 25 feet beyond the property lines. For the purposes of this document, the more conservative threshold has been used, and a lighting impact is considered to be significant if it results in 0.5 horizontal foot-candle at the property line of a sensitive receptor, such as a residence.

There are no residences or other sensitive light receptors immediately adjacent to the project site. The nearest residence is a multiple-family residential building approximately 300 feet west of the campus, across Linden Street and Chicago Avenue.

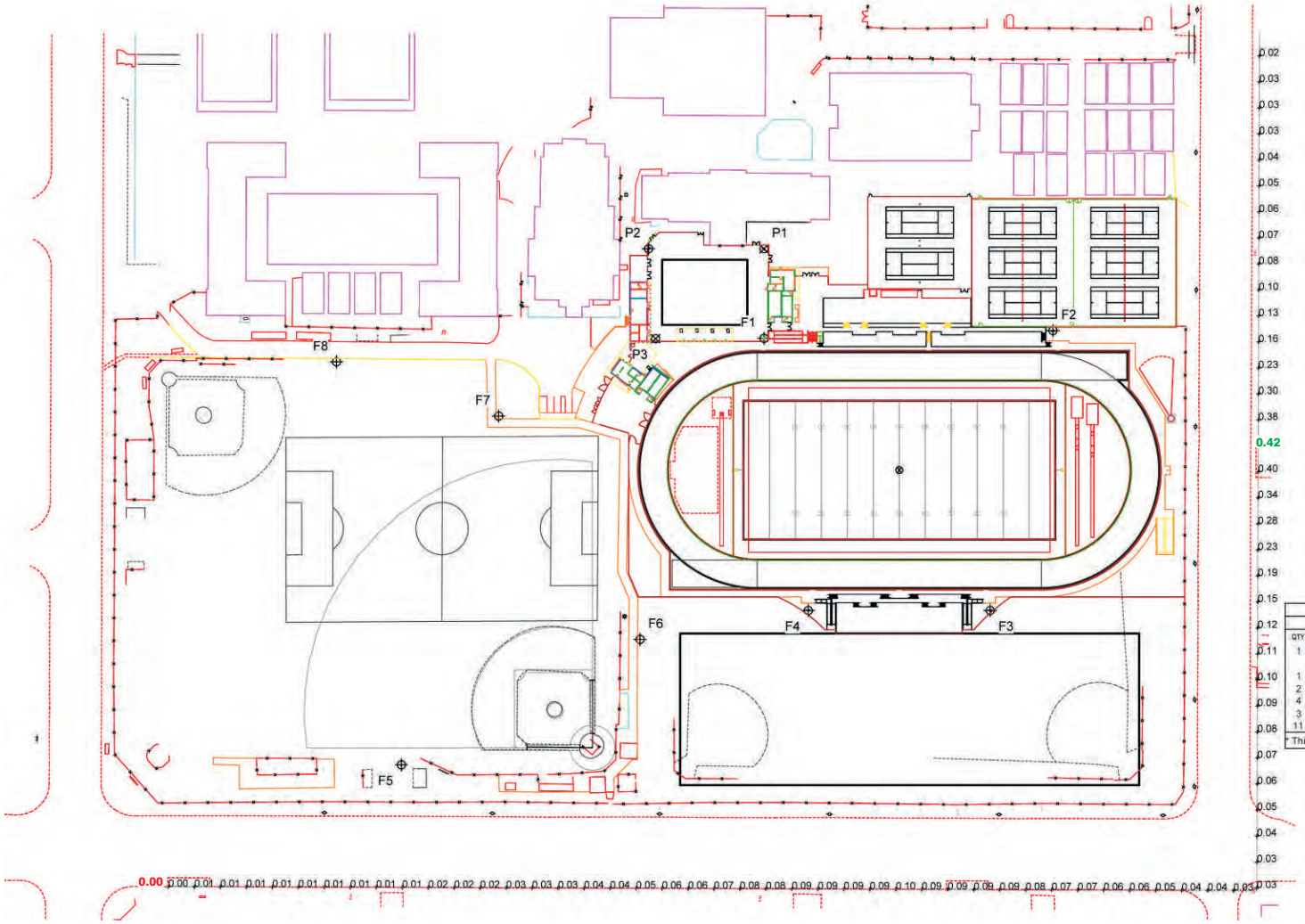
The intensity of light from the proposed new lighting at nearby property boundaries was calculated and is shown in Figure 6, *Horizontal Foot-Candles at Nearby Property Boundaries*. As shown in this figure, the light intensity at the nearest property boundary, across Linden Street and Chicago Avenue, would be 0.42 foot-candle, below the threshold of significance. The replacement of the existing lights and installation of the new lights would not result in 0.5 horizontal foot-candle at any nearby properties, sensitive or otherwise. No significant impacts would result from the proposed new lighting.

The proposed project would also replace the existing lighted marquee at the intersection of Chicago Avenue and 3rd Street. The existing monochrome amber display would be removed, and would be replaced with an amber grayscale display of the same size. The new display would include nighttime dimming capabilities not possible with the existing display and would therefore reduce nighttime glare effects. In accordance with the District energy policy, the display would not operate between 11 PM and 5 AM. No new impacts would be introduced by the replacement of the marquee with a new marquee.

The proposed new scoreboard would be located along Linden Street and would be directed inward, toward the center of the project site. No drivers or sensitive receptors would be affected by the proposed new scoreboard.

Impacts associated with the new lights and lighted marquee would not be significant. No mitigation is required.

Horizontal Foot-Candles at Nearby Property Boundaries



ILLUMINATION SUMMARY

Adjacent Property Line Spill
Riverside North Football And Pool
Riverside,CA

Adjacent Property Line Spill
· Grid Spacing = 30.0'
· Values given at 3.0' above grade

· Luminaire Type:	Green Generation
· Rated Lamp Life:	5,000 hours
· Avg Lumens/Lamp:	134,000

CONSTANT ILLUMINATION
HORIZONTAL FOOTCANDLES

	Entire Grid
No. of Target Points:	76
Average:	0.0860
Maximum:	0.42
Minimum:	0.00
Average Lamp Tilt Factor:	1.000
Number of Luminaires:	109
Avg KW over 5,000:	170.48
Max KW:	185.3

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the rated life of the lamp.

Field Measurements: Averages shall be +/-10% in accordance with IESNA RP-6-01 and CIBSE LG4. Individual measurements may vary from computer predictions.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

	Pole			Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	F1	90'	-	60'	1500W MZ	3	3	0
				90'	1500W MZ	16	16	0
1	F2	90'	-	90'	1500W MZ	16	16	0
2	F3-F4	90'	-	90'	1500W MZ	16/8*	24	0
4	F5-F8	70'	-	70'	1500W MZ	5	5	0
3	P1-P3	60'	-	60'	1500W MZ	2	2	0
11				TOTALS			109	109	0

* This structure utilizes a back-to-back mounting configuration

0 200
Scale (Feet)

Source: Musco 2010

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3.2 AGRICULTURE AND FOREST RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The entire campus, including the project site, is mapped as Urban and Built-up Land on the Riverside County Important Farmland 2006 map published by the California Department of Conservation, Division of Land Resource Protection. The site and surrounding area are entirely developed with school and industrial uses, and there is no formal agricultural use on or adjacent to the site. No impact to farmland would occur as a result of the proposed project, and no mitigation is required.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The existing zoning designation of the project site is R-3-1500 along Linden Street and R-1-7000 on the remainder of the site. These are residential zoning designations that allow school uses. The site is not zoned for agricultural use. There are no Williamson Act contracts in effect for the site, as shown on the Williamson Act Preserves map in the City of Riverside General Plan 2025. No impact would occur, and no mitigation is required.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The site is zoned with residential designations that allow school uses. The site is not zoned for forest land. No forest land or other wildland exists on or adjacent to the project site. The proposed project would not alter the zoning of the project site or offsite areas. No conflict with zoning for or rezoning of forest land would occur. The proposed project would not result in any impacts to forest land, and no mitigation is required.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. There is no forest land on or near the site, and the project would not result in any loss of or impact to forest land. The proposed project would not result in any impacts, and no mitigation is required.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. There is no farmland on or near the site, and the project would not convert any farmland to nonagricultural uses. No impact would occur, and no mitigation is required.

3.3 AIR QUALITY

The Air Quality section addresses the impacts of the proposed project on ambient air quality and the exposure of people, especially sensitive individuals, to unhealthful pollutant concentrations. The primary air pollutants of concern for which ambient air quality standards (AAQS) have been established are ozone (O_3), carbon monoxide (CO), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), sulfur oxides (SO_x), oxides of nitrogen (NO_x), and lead (Pb). Areas are classified under the federal and California Clean Air Act as in either attainment or nonattainment for each criteria pollutant based on whether the AAQS have been achieved. The South Coast Air Basin (SoCAB), which is managed by the South Coast Air Quality Management District (SCAQMD), is designated as nonattainment for O_3, $PM_{2.5}$, PM_{10},[1] and lead (Los Angeles County only) under the California and National AAQS and nonattainment for NO_2 under the California AAQS. This section analyzes the types and quantities of air pollutant emissions that would be generated by the construction and operation of the proposed project. A background discussion on the air quality regulatory setting, meteorological conditions, existing ambient air quality in the vicinity of the project site, and air quality modeling can be found in Appendix A to this Initial Study.

Where available, the significance criteria established by SCAQMD, the applicable air quality management district, is relied upon to make the following determinations. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less Than Significant Impact. A consistency determination plays an important role in local agency project review by linking local planning and individual projects to the Air Quality Management Plan (AQMP). It fulfills the CEQA goal of informing decision makers of the environmental efforts of the project under consideration at an early enough stage to ensure that air quality concerns are fully addressed. It also provides the local agency with ongoing information as to whether they are contributing to clean air goals contained in the AQMP. There are two key indicators of consistency (SCAQMD 1993):

- Indicator 1: Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.

- Indicator 2: Whether the project would exceed the assumptions in the AQMP. The AQMP strategy is, in part, based on projections from local general plans.

Emissions generated by construction and operation of the proposed project would be under the SCAQMD emission thresholds and would not be considered by the SCAQMD to be a substantial source of air pollutant emissions. Therefore the proposed project would be consistent with the AQMP under the first indicator. The project is not considered by the Southern California Association of Governments to be a regionally significant project that would warrant a consistency review for criteria emissions. The project improves the existing recreational facilities at an existing school. Therefore, the proposed project would not exceed the assumptions in the AQMP and would be consistent under the second indicator. Consequently, the project would not conflict or obstruct implementation of the AQMP and impacts are less than significant in this regard, and no mitigation is required.

[1] CARB approved the SCAQMD's request to redesignate the SoCAB from serious nonattainment for PM_{10} to attainment for PM_{10} under the national AAQS on March 25, 2010 because the SoCAB has not violated federal 24-hour PM_{10} standards during the period from 2004 to 2007. However, the USEPA has not yet approved this request.

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?

Less Than Significant Impact. The project would not violate any air quality standard or contribute substantially to an existing or projected air quality violation.

Short-Term Air Quality Impacts

Construction activities would result in the generation of air pollutants, including: exhaust emissions from diesel-powered construction equipment and motor vehicles; fugitive dust generated by grading, earthmoving, and other construction activities; and volatile organic compound (VOC)[2] emissions from application of asphalt, paints, and coatings. Construction emissions estimates are shown in Table 1.

Table 1
Regional Construction Emissions
(in pounds per day)

Source[1]	Pollutants (lb/day)					
	VOC	NO_x	CO	SO_2	PM_{10}[2]	$PM_{2.5}$[2]
2012	12	72	49	<1	8	6
2013	20	46	35	<1	4	3
Maximum Daily Emissions	20	72	49	<1	8	6
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Source: CalEEMod Version 2011.1.1.
Notes:
[1] Air quality modeling based on a construction schedule provided by the District. Where specific construction information was not available, construction assumptions were based on CalEEMod defaults.
[2] Fugitive dust emissions assume application of Rule 403, which includes watering exposed surfaces at least two times daily to reduce fugitive dust, replacing groundcover quickly, and reducing vehicle speeds.

As shown in the table, all emissions from construction-related activities are less than the SCAQMD regional significance threshold values. Therefore, short-term regional air quality impacts would be less than significant, and no mitigation is required.

Long-Term Operation Impacts

Long-term air pollutant emissions generated by a project are typically associated with burning fossil fuels in cars and trucks (mobile sources); energy use for cooling, heating, and cooking (energy); and landscape equipment (area sources). According to the traffic study prepared by Garland Associates, the proposed project would generate a net increase in 1,590 average daily vehicle trips on a day with a stadium event. Air pollutant emissions generated by new stationary sources would be nominal (e.g., concession stands, restrooms, replacement of pool equipment, etc.). Air pollutant emissions associated with the project are calculated and shown in Table 2.

[2] A precursor to the formation of O_3.

Table 2
Regional Operational Emissions
(in pounds per day)

	VOC	NO_x	CO	SO_2	PM_{10}	$PM_{2.5}$
Summer						
Area	1	0	0	0	0	0
Energy	0	<1	<1	0	0	0
Mobile	6	10	74	<1	14	1
Total	**7**	**10**	**74**	**<1**	**14**	**1**
SCAQMD Regional Threshold	55	55	550	150	150	55
Exceeds Regional Threshold?	No	No	No	No	No	No
Winter						
Area	1	0	0	0	0	0
Energy	0	<1	<1	0	0	0
Mobile	6	11	67	0	14	1
Total	**7**	**11**	**67**	**0**	**14**	**1**
SCAQMD Regional Threshold	55	55	550	150	150	55
Exceeds Regional Threshold?	No	No	No	No	No	No

Source: CalEEMod Version 2011.1.1. Note: emission may not add to 100 percent due to rounding.

As shown in the table, all emissions from operation-related activities are less than the SCAQMD regional significance thresholds. Therefore, long-term regional air quality impacts would be less than significant, and no mitigation is required.

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Less Than Significant Impact. The project would not result in a cumulatively considerable net increase of criteria pollutants. According the SCAQMD methodology, any project that does not exceed, or can be mitigated to less than, the daily threshold values will not add significantly to the cumulative impact. Construction and operational activities would not result in emissions in excess of SCAQMD's daily threshold values, and therefore the project would not result in cumulatively considerable net increase in criteria pollutants. No mitigation is required.

d) Expose sensitive receptors to substantial pollutant concentrations?

Less Than Significant Impact With Mitigation Incorporated. The project could expose sensitive receptors to substantial pollutant concentrations. Unlike the regional construction and operational emissions shown in Tables 1 and 2, localized concentrations refer to the amount of pollutant in a volume of air (ppm or $\mu g/m^3$). These emissions can be directly correlated to health effects. The localized significance threshold (LST) analysis calculates the amount of regional emissions at which localized concentrations (ppm or $\mu g/m^3$) would exceed the AAQS based on the Source Receptor Area (SRA), size of the project site, and distance to the nearest sensitive receptor. LSTs are based on the California AAQS, which are the most stringent AAQS that have been established to provide a margin of safety in the protection of the public health and welfare. They are designed to protect those sensitive receptors most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. During project operation, no significant localized impacts would occur because the increase in onsite stationary sources is nominal since school projects are not substantial stationary-source generators.

Construction LST

Emissions generated by construction activities would temporarily increase pollutant concentrations from construction equipment exhaust and fugitive dust (PM_{10} and $PM_{2.5}$). The closest sensitive-receptors are the onsite classrooms.[3] As shown in Table 3, maximum daily emissions from construction activities would exceed the SCAQMD LSTs for $PM_{2.5}$ because of the potential for Phase 1, Phase 2, and Phase 3 of the project to occur concurrently. Mitigation Measure 1 would require use of Tier 3 construction equipment.[4] With use of newer construction equipment, construction emissions would not exceed the LSTs even if construction activities associated with the basketball courts, pool area, and stadium area overlap (see Table 4), and impacts would be reduced to less than significant levels.

Table 3
Localized (Onsite) Construction Emissions
(in pounds per day)

Source[1]	*NO_2*[2]	*CO*	*PM_{10}*[3]	*$PM_{2.5}$*[3]
Phase 1 – Grading (basketball courts)	2	21	5	3
Phase 1 – Paving (basketball/tennis courts)	1	14	2	2
Phase 2 – Demolition (pool)	0.1	2	1	<1
Phase 2 – Trenching (pool)	<1	4	<1	<1
Phase 2 – Pool Construction	1	14	2	2
Phase 3 – Trenching (irrigation)	<1	2	<1	<1
Phase 3 – Stadium Construction	1	17	2	2
Phase 2/Phase 3 – Architectural Coatings	<1	1	<1	<1
Maximum Daily Onsite Construction Emissions[4]	4	46	6	5.4
SCAQMD Localized Threshold	187	999	8	4.7
Exceeds 3.5-Acre Localized Significance Threshold?	No	No	No	**Yes**

Source: CalEEMod Version 2011.1.1., and SCAQMD, Localized Significance Methodology, 2006, October, Appendix A. Based on LSTs for a 2.5-acre site for construction and a 5-acre project site for operation in SRA 23 with sensitive receptors located within 82 feet (25 meters). In accordance with SCAQMD methodology, only on-site stationary sources and mobile equipment occurring on the project site are included in the analysis.

Notes:

[1] Air quality modeling based on a construction schedule provided by the District. Where specific construction information was not available, construction assumptions were based on CalEEMod defaults.

[2] The two principle NO_x species are NO and NO_2 with the vast majority (95 percent) of NO_x emissions being NO. Adverse health effects are associated with NO_2 and not NO. Therefore, NO_x to NO_2 conversion was conducted and is based on a downwind distance of 25 meters in accordance with SCAQMD's LST methodology.

[3] Fugitive dust emissions assume application of Rule 403, which includes watering exposed surfaces at least two times daily, replacing groundcover quickly, and reducing vehicle speeds to reduce fugitive dust.

[4] Assumes overlap of Phase 1 (construction of basketball courts), Phase 2 (aquatic center modernization), and Phase 3 (stadium modernization).

Mitigation Measures

1. The District shall specify in the construction bid that construction contractors are required to use construction equipment rated by the United States Environmental Protection Agency as having Tier 3 or higher exhaust emission limits (e.g., year 2006 model year or newer) for equipment

[3] Projects with boundaries located closer than 82 feet to the nearest receptor should use the LSTs for receptors located at 82 feet (SCAQMD 2008).

[4] Tier 3 standards are based on the United States Environmental Protection Agency's standards for new off-road diesel engines. Tier 3 standards are met through advanced engine design with limited or no exhaust after treatment (e.g., oxidation catalysts). Tier 3 standards were phased in from 2006 to 2008.

over 50 horsepower. Tier 3 equipment shall be used onsite. Prior to the start of construction activities, the construction contractor shall provide a list of all operating equipment to the construction manager to confirm that the list complies with this mitigation measure. The construction equipment list shall state the makes, models, power output, and numbers of construction equipment onsite.

Table 4
Localized (Onsite) Construction Emissions – Mitigated
(in pounds per day)

Source[1]	NO_2[2]	CO	PM_{10}[3]	$PM_{2.5}$[3]
Phase 1 – Grading (basketball courts)	1	20	4	3
Phase 1 – Paving (basketball/tennis courts)	1	13	1	1
Phase 2 – Demolition (pool)	0.1	2	1	<1
Phase 2 – Trenching (pool)	<1	4	<1	<1
Phase 2 – Pool Construction	1	14	1	1
Phase 3 – Trenching (irrigation)	<1	2	<1	<1
Phase 3 – Stadium Construction	1	17	1	1
Phase 2/Phase 3 – Architectural Coatings	<1	1	<1	<1
Phase 2 – Demolition (pool)	0.1	2	1	<1
Maximum Daily Onsite Construction Emissions[4]	2	45	5	3
SCAQMD Localized Threshold	187	999	8	4.7
Exceeds 3.5-Acre Localized Significance Threshold?	No	No	No	No

Source: CalEEMod Version 2011.1.1., and SCAQMD, Localized Significance Methodology, 2006, October, Appendix A. Based on LSTs for a 2.5-acre site for construction and a 5-acre project site for operation in SRA 23 with sensitive receptors located within 82 feet (25 meters). In accordance with SCAQMD methodology, only on-site stationary sources and mobile equipment occurring on the project site are included in the analysis.

Notes:

[1] Air quality modeling based on a construction schedule provided by the District. Where specific construction information was not available, construction assumptions were based on CalEEMod defaults. Includes use of Tier 3 (e.g., year 2006 or newer) construction equipment.

[2] The two principle NO_x species are NO and NO_2 with the vast majority (95 percent) of NO_x emissions being NO. Adverse health effects are associated with NO_2 and not NO. Therefore, NO_x to NO_2 conversion was conducted and is based on a downwind distance of 25 meters in accordance with SCAQMD's LST methodology.

[3] Fugitive dust emissions assume application of Rule 403, which includes watering exposed surfaces at least two times daily, replacing groundcover quickly, and reducing vehicle speeds to reduce fugitive dust.

[4] Assumes overlap of Phase 1 (construction of basketball courts), Phase 2 (aquatic center modernization), and Phase 3 (stadium modernization).

Carbon Monoxide Hotspots

The significance of localized project impacts depends on whether the project would cause substantial concentrations of CO. The 1993 CEQA Air Quality Handbook includes methodology to conduct localized CO modeling for traffic generated by a project. At the time of the 1993 Handbook, the SoCAB was designated nonattainment under the CAAQS and NAAQS for CO. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the SoCAB and in the state have steadily declined. In 2007, the SCAQMD was designated in attainment for CO under both the California AAQS and National AAQS.

As identified within SCAQMD's 2003 Air Quality Management Plan (2003 AQMP) and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB were a result of unusual meteorological and topographical conditions and not a result of congestion at a

particular intersection. A CO hot spot analysis was conducted for four busy intersections in Los Angeles[5] at the peak morning and afternoon time periods and did not predict a violation of CO standards. Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (BAAQMD 2011). Therefore, the potential for CO hotspots to be generated in the SoCAB is extremely unlikely because of the improvements in vehicle emission rates and control efficiencies. Typical projects would not expose sensitive receptors to substantial pollutant concentrations and analysis of CO hotspots is not warranted. Impacts would not be significant, and no mitigation measures are necessary.

e) Create objectionable odors affecting a substantial number of people?

Less Than Significant Impact. The project would not emit objectionable odors that would affect a substantial number of people. The threshold for odor is if a project creates an odor nuisance pursuant to SCAQMD Rule 402, Nuisance, which states:

> A person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule shall not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

The type of facilities that are considered to have objectionable odors include wastewater treatments plants, compost facilities, landfills, solid waste transfer stations, fiberglass manufacturing facilities, paint/coating operations (e.g., auto body shops), dairy farms, petroleum refineries, asphalt batch plants, chemical manufacturing, and food manufacturing facilities. Schools are not associated with foul odors that constitute a public nuisance; therefore, odor impacts would be less than significant, and no mitigation is required.

During construction activities, construction equipment exhaust, application of asphalt and architectural coatings would temporarily generate odors. Any construction-related odor emissions would be temporary, intermittent in nature, and would not affect a significant number or people. Impacts associated with construction-generated odors would be less than significant, and no mitigation is required.

3.4 BIOLOGICAL RESOURCES

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

No Impact. The project site is entirely developed and is in an urban setting developed with school, industrial, and residential uses. The proposed project would improve existing athletic facilities. There is no native habitat on or next to project site. Furthermore, the site is not within a habitat area or vegetation community according to the Open Space and Conservation Element of the City of Riverside General Plan 2025. The

[5] The four intersections were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day and a level of service (LOS) of E in the morning peak hour and LOS F in the evening peak hour.

proposed project would have no adverse impact on any sensitive species. No impact would occur, and no mitigation is required.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

No Impact. The campus is in a developed area, surrounded by industrial uses. There are no riparian habitat or sensitive natural communities on or near the project site. No impact to riparian habitat or natural communities would occur as a result of the proposed project, and no mitigation is required.

c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. The site is entirely developed. The proposed project would improve athletic facilities on an existing high school campus. No wetlands would be affected by the proposed project. No impact on federally protected wetlands would occur, and no mitigation is required.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

No Impact. The project site is entirely developed and in a developed urban setting, so it is not available as a corridor for wildlife movement by land. Furthermore, project implementation would not require the removal of any trees, so the project would not have any direct impact on migrating or nesting birds. No impact would occur as a result of the proposed project, and no mitigation is required.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The proposed project would not require the removal of any existing trees within the high school campus or on public streets. Therefore, the project would not conflict with local policies and ordinances concerning protecting biological resources, including trees and birds. No conflict or impact to local policies and ordinances would occur as a result of project implementation, and no mitigation is required.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The project site is within the plan area of the Western Riverside County Multi-Species Habitat Conservation Plan (MSHCP). This plan includes all unincorporated Riverside County land west of the San Jacinto Mountains to the Orange County line, and fourteen cities, including the City of Riverside. However, the project site is not in an area of the Western Riverside County MSHCP designated for preservation. Additionally, the project site is not within the Stephens' Kangaroo Rat Habitat Conservation Plan area or any habitat conservation plan areas other than the Western Riverside County MSHCP, as shown in the "Stephens' Kangaroo Rat (SKR) Core Reserves and Other Habitat Conservation Plans (HCP)" map in the Open Space/Conservation Element of the City of Riverside General Plan 2025. Furthermore, the project site is fully developed and does not contain any natural habitat. No impact would occur, and no mitigation is required.

3.5 CULTURAL RESOURCES

The information and analysis in this section is based partly on the following technical study:

- McKenna et al. 2010, August 16. A Summary Report on the Proposed Improvements at the John W. North High School Campus in the City of Riverside, Riverside County, California.

This report is included in Appendix B of this document.

a) Cause a substantial adverse change in the significance of a historical resource as defined in § 15064.5?

No Impact. Section 15064.5 defines historic resources as resources listed or determined to be eligible for listing by the State Historical Resources Commission, a local register of historical resources, or the lead agency. Generally a resource is considered to be "historically significant" if it meets one of the following criteria:

i) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

ii) Is associated with the lives of persons important in our past;

iii) Embodies the distinctive characteristics of a type, period, region or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or

iv) Has yielded, or may be likely to yield, information important in prehistory or history.

The John W. North High School campus was constructed in 1965. In their cultural report, McKenna et al. concluded that, due to the relatively young age of the campus, the campus is not historically significant and contains no historic structures, buildings, or other historical resources. Implementation of the proposed project would not impact any identified historical resources on the site. No impact would occur, and no mitigation is required.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

Less Than Significant Impact. The Native American Heritage Commission has no record of Native American sacred or religious sites in the area and indicated that it is unlikely that Native American artifacts exist on the project site. However, McKenna et al. found that the school site was associated with at least three structures (residences) prior to the redevelopment in ca. 1965. These residences were built in the northeast area of the campus, along the frontages of 3rd Street and Chicago Avenue in the area of the northern baseball field. Although these structures no longer exist on the campus, the project site may contain buried archaeological resources associated with these residences. McKenna et al. concluded that "it is unlikely resources will be identified." However, as a best management practice (BMP), the District will arrange to have an archaeological consultant on-call for all ground-disturbing activities. This BMP will allow an archaeological consultant to be readily accessible to immediately assess potential archaeological resources and make recommendations to the District should any be uncovered. Furthermore, should evidence of Native American resources be uncovered, the on-call archaeologist and District will be able to contact and consult with a local Native American representative to assist in the accurate recordation and

recovery of the resources. Existing District practices would ensure that no significant impacts to archaeological resources would occur as a result of project construction. No mitigation is required.

c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less Than Significant Impact. The project site is fully developed and contains no unique geologic features. Data on paleontological resources available from the Los Angeles County Museum of Natural History, which keeps records of paleontological resources throughout southern California, including Riverside County, indicate that shallow deposits in the project area are not likely to yield evidence of fossil specimens. However, deeper deposits of older Quaternary alluvium may contain fossils or other paleontological resources. Due to the relatively small nature of the proposed project, it is not likely that paleontological resources would be affected by ground-disturbing activities. However, as a BMP, the District will retain an on-call paleontological consultant to be readily accessible during ground-disturbing activities should fossils be uncovered during construction. The paleontological consultant will be able to make recommendations to the District and coordinate with accredited and permanent scientific institutions. This District practice would ensure that no significant impacts to paleontological resources would occur as a result of the proposed project. No mitigation is required.

d) Disturb any human remains, including those interred outside of formal cemeteries?

Less Than Significant Impact. There are no known human remains at the project site. However, in the unlikely event that human remains are uncovered during project implementation, Government Code Section 27460 et seq. mandates that there shall be no further excavation or disturbance until the Riverside County Coroner has determined that the remains are not subject to the provisions of Section 27491 of the Government Code or any other related provisions of law concerning investigation of the circumstances, manner, and cause of death, and the required recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative, in the manner provided in Section 5097.98 of the Public Resources Code. Pursuant to California Health and Safety Code Section 7050.5, the coroner shall make his or her determination within two working days of notification of the discovery of the human remains. If the coroner determines that the remains are not subject to his or her authority and has reason to believe that they are those of a Native American, he or she shall contact the Native American Heritage Commission by telephone within 24 hours. Conformance with existing regulations would ensure that impacts to human would be less than significant. No mitigation is required.

3.6 GEOLOGY AND SOILS

The information and analysis in this section is based partly on the following technical study:

- Leighton Consulting, Inc. 2010, June 30. Geotechnical Investigation, Proposed Aquatic Center, Football Stadium and Athletic Facilities, John W. North High School, 1550 Third Street, City of Riverside, California.

This report is included in Appendix C of this document.

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning map, issued by the State Geologist for the area or based on other

substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

No Impact. The project site is not within an Alquist-Priolo Earthquake Fault Zone, according to the Alquist-Priolo Fault Zone map. The City of Riverside General Plan 2025 does not identify any faults or fault zones on or adjacent to the project site. The geotechnical report prepared by Leighton for the proposed project did not identify any active faults on the project site, and stated that the site is not near a pressure ridge or within a designated Earthquake Fault Zone. The geotechnical report concluded that the potential for surface rupture of active faults at the project site is very low. Furthermore, the proposed project would make improvements to existing facilities that are currently in use. No hazards or risks related to fault rupture would be introduced by the proposed project and no mitigation is required.

ii) Strong seismic ground shaking?

Less Than Significant Impact. The geotechnical investigation prepared for the proposed project identified seismic ground shaking as the principal seismic hazard that could affect the project site. Regional faults that could affect the site, as identified by the geotechnical investigation, include the San Jacinto, Elsinore, Whittier, Cucamonga, and San Andreas faults.

However, although the project site is in a seismically active region, it is not at greater risk than other sites in Southern California. The geotechnical investigation concluded that the proposed project is feasible from a geotechnical standpoint and that appropriate planning and design of the project would limit the impact of seismic shaking. The geotechnical report included recommendations for site preparation and construction. The project is required to comply with the recommendations of this geotechnical report and any subsequent geotechnical reports. Furthermore, the California Building Code (CBC) contains seismic safety requirements that are enforced by the Division of the State Architect (DSA) for public school projects. Mandatory compliance with the recommendations of the geotechnical investigations for the proposed project, as well as compliance with existing CBC and DSA requirements, would reduce hazards related to seismic ground shaking to acceptable levels. Impacts would be less than significant, and no mitigation is required.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction is a loss of soil strength or stiffness that occurs in loose, low-density saturated soils during strong ground shaking. Liquefaction can cause sand boils, excessive settlement, and bearing capacity failures. High liquefaction potential depends upon three main contributing factors: 1) cohesionless, granular soils having relatively low densities (usually of Holocene age); 2) shallow groundwater (generally less than 50 feet); and 3) moderate to high seismic ground shaking.

The geotechnical report for the proposed project noted that the project area is mapped by the Riverside County Land Information System as having a low liquefaction potential, and stated that groundwater was not encountered in borings conducted to a maximum depth of 51.5 feet, and that the historically shallowest groundwater level is estimated to be 90 feet or deeper. The geotechnical report concluded that the potential for liquefaction and liquefaction-related damage at the site is very low. No significant impacts related to liquefaction would occur, and no mitigation is required.

iv) Landslides?

No Impact. The geotechnical report identified no slopes from which landsliding could affect the project site. There are no significant slopes on or near the project site. No impact related to landslides would occur, and no mitigation is required.

b) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant Impact. Construction of the proposed athletic facilities would require excavation and could expose soil that would lead to erosion if not properly controlled. Development would be subject to local and state codes and requirements for erosion control and grading during construction. Development of the proposed project would be required to comply with standard conditions, including SCAQMD Rule 403, which would reduce construction erosion impacts. Rule 403 limits the amount of particulate matter that can be emitted into the atmosphere from human activities. Project development would also be subject to the National Pollutant Discharge Elimination System Permit requirements, including the development and implementation of a Storm Water Pollution Prevention Plan and Monitoring Program. Compliance with established regulations would reduce construction impacts to soil erosion and/or the loss of topsoil to less than significant levels. After construction activities, the project site would be developed and landscaping on the site would be maintained, and would not contain substantial areas of exposed soil. No significant impacts related to soil erosion would occur, and no mitigation is required.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less Than Significant Impact. As described above, the proposed project would not be exposed to significant hazards or impacts related to landslides or liquefaction. Additionally, the geotechnical report prepared for the project found that the potential for soil collapse is negligible. The report also stated that soils on the site are expected to undergo less than 1 inch of seismic settlement, and that differential settlement due to seismic loading is assumed to be less than 0.5 inch over a horizontal distance of 40 feet. However, the geotechnical report found that the upper 5 to 10 feet of alluvial soil is considered slightly to moderately compressible.

The geotechnical report concluded that, with the implementation of the recommendations included in the geotechnical report, the proposed project could be safely implemented. The recommendations include soil improvements and soil fill requirements, including removal and recompaction of upper soils to reduce soil compressibility, that would address any issues related to unstable soils. Furthermore, the CBC includes provisions for minimizing hazards to structures. After compliance with the recommendations of the geotechnical report and existing regulations, hazards from unstable soils would be less than significant. Impacts related to landslide, lateral spreading, subsidence, liquefaction, or collapse would be less than significant, and no mitigation is required.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

Less Than Significant Impact. Expansive soils contain significant amounts of clay particles that swell considerably when wetted and shrink when dried. The geotechnical report prepared for the project found that the alluvial soils on the site are expected to have a low to very low expansion potential. Additionally, the proposed project would make improvements to existing facilities and would not develop any previously

undeveloped land. No significant impacts related to expansive soils would occur as a result of the proposed project, and no mitigation is required.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. As the project would not require the installation or use of any septic tanks or alternative wastewater disposal systems, soil impacts associated with this use would not occur and no mitigation is required.

3.7 GREENHOUSE GAS EMISSIONS

This section analyzes the project's contribution to global climate change impacts in California through an analysis of project-related greenhouse gas (GHG) emissions. The primary GHG of concern is carbon dioxide (CO_2), which constitutes the majority (greater than 99 percent) of project-related emissions. Pursuant to Section 15064.4, *Determining the Significance of Impacts from Greenhouse Gas Emissions,* of the CEQA Guidelines a lead agency must consider the following when assessing the significance of impacts from greenhouse gas (GHG) GHG emissions on the environment:

- The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;
- Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;
- The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[6]

Information on manufacture of cement, steel, and other "life cycle" emissions that would occur as a result of the project are not available and are not included in the analysis.[7] A background discussion on the regulatory setting, methodology, and modeling can be found in Appendix A to this Initial Study.

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less Than Significant Impact. Global climate change is not confined to a particular project area and is generally accepted as the consequence of global industrialization over the last 200 years. A typical project, even a very large one, does not generate enough greenhouse gas emissions on its own to influence global climate change significantly; hence, the issue of global climate change is, by definition, a cumulative environmental impact. The State of California, through its governor and its legislature, has established a

[6] A plan must be adopted through a public review process and include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable, notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

[7] Life cycle emissions are the GHG emissions from raw material production, manufacture, distribution, use, and disposal and include all intervening transportation emissions caused by the product's existence. Because the amount of materials consumed during the operation or construction over the lifetime of the project is not known, the origin of the raw materials purchased is not known, and manufacturing information for those raw materials are also not known, calculation of life cycle emissions would be speculative.

comprehensive framework for the substantial reduction of GHG emissions over the next 40-plus years. This will occur primarily through the implementation of Assembly Bill (AB 32) and Senate Bill (SB 375), which will address GHG emissions on a statewide cumulative basis.

The proposed project would contribute to global climate change through direct emissions of GHG from onsite area sources, offsite energy production required for onsite activities, and vehicle trips generated by the project. Annual GHG emissions were calculated for construction and operation of the project. Annual average construction emissions were amortized over 30 years and included in the emissions inventory to account for GHG emissions from the construction phase of the project. Project-related GHG emissions are shown in Table 5. For operation, the project's GHG emissions are separated into emission sources for the applicable GHG emissions sectors.

Table 5
Net Increase in GHG Emissions

Source	GHG Emissions (MTons/Year)	
	Net Increase	Percent of Increase
Energy	14	5%
Mobile	250	88%
Waste	3	1%
Amortized Construction Emissions[1]	18	6%
Total All Sectors	**285**	**100%**
SCAQMD's Proposed Screening Threshold	3,000	NA
Exceeds Proposed Screening Threshold	No	NA

Source: CalEEMod, Version 2011.1.1. Assumes implementation of the California Green Building Code and 2008 Building and Energy Efficiency Standards.
MTons: metric tons; NA: Not Applicable
[1] Total construction emissions are amortized over 30 years.

The proposed project at buildout would generate a net increase of 285 metric tons (MTons) of GHG per year compared to existing conditions. The total increase in GHG emissions onsite from the project would not exceed SCAQMD's proposed screening threshold of 3,000 MTons.[8] Because the GHG emissions associated with the project would not exceed SCAQMD's screening threshold, the proposed project's cumulative contribution to GHG emissions is less than significant. No mitigation is required

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact. The California Air Resources Board's (CARB) Scoping Plan is California's GHG reduction strategy to achieve the state's GHG emissions reduction target established by Assembly Bill (AB) 32, which is 1990 levels by year 2020. Statewide strategies to reduce GHG emissions include the Low Carbon Fuel Standard (LCFS), California Appliance Energy Efficiency regulations, California Renewable Energy Portfolio standard, changes in the corporate average fuel economy (CAFE) standards, and other early action measures to ensure the state is on target to achieve the GHG emissions reduction goals of AB

[8] This threshold is based on SCAQMD's 3,000 MTons combined threshold proposed by SCAQMD's Working Group, which is based on a survey of the GHG emissions inventory of CEQA projects. Approximately 90 percent of CEQA projects GHG emissions inventories exceed 3,000 MTons, which is based on a potential threshold approach cited in CAPCOA's White Paper, *CEQA and Climate Change*.

32. In addition, the state of California recently adopted the 2008 Building and Energy Efficiency Standards and the California Green Building Code (CALGreen). The project would be constructed to achieve the 2008 Building and Energy Efficiency Standards. In addition, field grass would be replaced with artificial turf during the stadium modernization, reducing water demand at the existing campus.

The project's GHG emissions would be further reduced from compliance with these statewide measures. The proposed project would not have the potential to interfere with the State of California's ability to achieve GHG reduction goals and strategies. No impact would occur, and no mitigation measures are required.

3.8 HAZARDS AND HAZARDOUS MATERIALS

a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?

Less Than Significant Impact. The proposed project would not create a significant hazard through the transport or use of hazardous materials. Construction and operation of the improved athletic facilities would not require extensive or ongoing use of acutely hazardous materials or substances. While grading and construction activities may involve the transport, storage, use, or disposal of some hazardous materials, such as onsite fueling/servicing of construction equipment, the activities would be short term and would be subject to federal, state, and local health and safety requirements.

The types of hazardous materials associated with operation of the project would generally be limited to those associated with maintenance, janitorial, and repair activities, such as commercial cleansers, lubricants, paints, etc. These hazardous materials would be used in very limited amounts for school operations, and transport, storage, use, and disposal of these materials would be subject to federal, state, and local health and safety requirements. The proposed project would result in the demolition of the existing pool at the campus and construction of a larger pool. Some chemicals are used in pool maintenance and cleaning, and the proposed project would require a slight increase in the quantity of these materials used at the site in order to maintain the larger pool. However, this increase would be negligible. The materials used to maintain the pool would be used in small quantities and would not pose a hazard to site occupants.

Furthermore, the storage, handling, and disposal of hazardous materials are regulated by the EPA, Occupational Safety and Health Administration (OSHA), and the Riverside County Department of Environmental Health. The requirements of these agencies would be incorporated into the design and operation project. This would include providing for and maintaining appropriate storage areas for hazardous materials and installing or affixing appropriate warning signs and labels.

No significant impacts would be introduced by the proposed project, and no mitigation is required.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less Than Significant Impact. As described above, the use of hazardous materials resulting from the proposed project would be regulated by several agencies. Use of hazardous materials during the construction phase of the proposed improvements would be short term. The operation of the new athletic facilities would require use of hazardous materials only in small amounts. Hazardous materials would not be present in large quantities at the site, and significant risks due to upset or accidents involving hazardous materials at the site would be limited. Impacts would be less than significant, and no mitigation is required.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact. Operation of the proposed project would not emit hazardous stationary emissions that would impact sensitive receptors on- or offsite, including students at the John W. North High School campus or other nearby schools. Equipment installed as a result of the proposed project, such as a boiler for the proposed pool, would be relatively small and similar to existing equipment being replaced. As described above, long-term operation of the project would not involve the transport, storage, use, or disposal of substantial amounts of hazardous materials. The types of hazardous materials generally associated with the operation of the proposed pool and athletic facilities are common substances such as commercial cleansers, paints, aerosol cans, etc., used by the maintenance and/or janitorial staff. These materials would be used in small quantities and would be stored in compliance with federal, state, and local health and safety requirements. The proposed project would not create any new significant hazards or impacts due to hazardous emissions or handling of hazardous materials to existing or proposed schools within a quarter mile of the project site. No mitigation is required.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less Than Significant Impact. A search of regulatory agency environmental databases for the John W. North High School campus was conducted by Environmental Data Resources, Inc., (EDR) on July 29, 2010. This report from EDR is included in Appendix D. John W. North High School was listed on the following databases:

- **Resource Conservation and Recovery Act (RCRA)** database records facilities that generate, transport, treat, store, or dispose of hazardous waste. The site is listed as a large quantity generator of hazardous waste. Hazardous waste generated at the site is listed as batteries, lamps, pesticides, and thermostats. No violations were found.

- **FINDS (Facility Index System)** is a system that tracks other databases. The site is listed in the FINDS database because the National Center for Education Statistics has collected data related to education on the campus. Additionally, as the site was listed in the RCRA database, it was also listed in the FINDS database.

- **Haznet** is a database of disposal of hazardous materials shipment manifests maintained by the California Environmental Protection Agency (Cal/EPA). The project site is listed for shipments of various hazardous materials from the school to disposal facilities. These included laboratory waste chemicals and other waste. These were materials that were disposed of from the campus. However, the listing of the site on the Haznet database for disposal of hazardous materials does not indicate the presence of hazardous materials on the site and does not indicate the presence of hazards on the site.

- **California Hazardous Material Incident Reporting System** is a database that contains information on reported hazardous material incidents such as releases or spills. The project site is listed for a 1996 incident in which a vial of mercury was spilled on a classroom floor.

None of the above database listings indicate a substantial hazard from existing hazardous materials on or near the project site resulting from construction or operation of the project. The use of hazardous materials on the project site is regulated by several agencies. Additionally, hazardous materials used on the project

site are in small quantities, are typical of hazardous materials used by schools, and do not pose a considerable risk to site occupants. The proposed project would not expose people to hazardous conditions or increase exposure to existing hazards. Impacts would be less than significant, and no mitigation is required.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles or a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

No Impact. The nearest airport is Flabob Airport, approximately three miles west of the campus. Riverside Municipal Airport is approximately five miles west of the campus. The site is not within any airport compatibility zones designated in the Riverside County Airport Land Use Compatibility Plan. The proposed project would not construct any structures that could interfere with air travel, and would not otherwise increase or alter air traffic. Air travel does not pose a significant hazard to occupants of the project site, and the proposed project would not create or increase any hazards related to air travel. No impact would occur, and no mitigation is required.

f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?

No Impact. As listed on the airnav.com database, the nearest private airstrip to the campus is the Riverside City Hall Heliport near the intersection of Orange Street and 10th Avenue in the City of Riverside, about 1.5 miles west of the project site. A new heliport has also been proposed at Riverside Community Hospital, also approximately one mile west of the project site. The project would not create any structures that could affect helicopters or air travel. Helicopters operating to and from the existing and proposed nearby heliports would not pose a substantial hazard to persons at the project site. Furthermore, the project would not increase air traffic or otherwise affect air traffic patterns. Impacts would not be significant, and no mitigation is required.

g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less Than Significant Impact. The proposed project would not significantly alter the use of the project site and would not impact or affect any emergency response or evacuation plans. Project plans would be submitted to the City of Riverside Fire Department for review of emergency access to buildings, turning radii for fire apparatus, etc. The proposed project would comply with any resulting fire department recommendations. Requirements regarding emergency access and emergency evacuation are also enforced by the DSA for public school projects.

Roadways in the vicinity of the site would continue to provide emergency access through the project area and to surrounding properties during the project's construction. In the event that a temporary closure of any street is required, the project's contractor would be required to provide the City with a construction schedule and plans for the closure of the street and to ensure that placement of construction materials and equipment does not obstruct or detour traffic. The project's construction contractor would be required to comply with all City and/or fire department recommendations, as applicable, for reducing impacts to emergency response or evacuation plans. No significant impacts would occur, and no mitigation is required.

h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

No Impact. The project site and surrounding areas are developed with urban uses and do not contain wildland vegetation. There is no forest land, wild land, or otherwise undeveloped areas near the project site that would be susceptible to wildland fires. Additionally, the project site is not designated as an area at high risk of fire hazard by the California Fire and Resource Assessment Program's Very High Fire Hazard Severity Zones in LRA (Local Responsibility Areas) map for the City of Riverside. Furthermore, the proposed project would improve portions of the existing campus and would not bring people to previously unused areas. The project would not increase risks related to wildland fires or expose people or structures to significant risk of wildland fires. No impact would occur, and no mitigation is required.

3.9 HYDROLOGY AND WATER QUALITY

a) Violate any water quality standards or waste discharge requirements?

Less Than Significant Impact. Discharges into stormwater drains or channels from construction sites larger than one acre are regulated by the General Permit for Storm Water Discharges Associated with Construction Activity (General Permit; Water Quality Order 99-08-DWQ) issued by the State Water Quality Control Board in August 1999 and modified in April 2001. The General Permit was issued pursuant to National Pollutant Discharge Elimination System (NPDES) regulations of the US Environmental Protection Agency, as authorized by the Clean Water Act. Because the proposed project would disturb a total area greater than an acre in size, a Storm Water Pollution Prevention Plan (SWPPP) would be required. The SWPPP is a document that is used to plan the stormwater-related erosion control program. It will follow a standardized template laid out by the EPA and is the plan of action to keep construction-related dirt, silt, chemicals, and other undesirables out of the storm drain system and out of nearby natural water systems. As required by the General Permit, a qualified engineer will analyze the land, construction plans, rain seasons, and other factors that may effect the runoff of water from construction of the project. Based on the anticipated impacts to stormwater, the SWPPP would include best management practices (BMPs) that the project would use to minimize pollution of stormwater. These BMPs would be designed to reduce erosion during rain storms. Below is a list of the most commonly used approaches; they may or may not be used for the proposed project. When used in layers, these practices have proven to be very effective at reducing stormwater erosion. Nevertheless, close monitoring is mandatory when the rain is falling to ensure that these preventive measures are adequate in minimizing pollution into storm drains.

- Sandbag Berms
- Gravel Bags
- Silt Fences
- Fiber Rolls
- Erosion Control Blankets
- Hydro Seeding
- Mulching
- Proper Construction Entrances

Discharges into stormwater from postconstruction activities are regulated by the Municipal Separate Storm Sewer System (MS4) Permit, issued by the Santa Ana Regional Water Quality Control Board, also pursuant to NPDES regulations. According to the Preliminary Hydrology Study prepared by EPIC Engineers (November 2011) for the proposed project, the existing campus lacks adequate subsurface infrastructure to convey onsite runoff. The site primarily comprises surface drainage through concentrated swales and sheet

flow, with a small amount of drain inlet boxes and storm drain piping. Currently the existing athletic fields (football, baseball, softball, soccer) generally slope to the northwest via sheet flow runoff that exits the property along the fence lines of Chicago Avenue and Third Street. Runoff of approximately the middle one-third of the campus travels through a series of drain inlet boxes and underground piping, which ultimately outlet onto the surface of the existing access road that separates the athletic fields and the main campus. From there, runoff is intercepted by a concrete gutter and/or curb and gutter that convey the runoff to an under-sidewalk drain where it ultimately leaves the site on Third Street. The remaining easterly one-third of the site generally slopes to the northeast through swales, sheet flow, and a small amount of inlet drain boxes and underground piping. This runoff is collected in an earthen channel along the north end of the easterly property line. Flow in this channel is to the north, where it eventually enters an existing 66-inch reinforced concrete pipe storm drain line at the northeast corner of the school property. The total predeveloped storm flows are 55.4 cubic feet per second (cfs) for a 10-year, 3-hour storm event, and 82.1 cfs for a 100-year, 3-hour storm event.

The proposed project would intensify the use of the site and consequently increase the amount of pollutants that could have a deleterious effect to water quality. The project would also increase the amount of impervious areas on the campus, therefore possibly increasing the amount of runoff. Project design features, however, will not only mitigate the project impacts, but will also improve current conditions.

The proposed grading design and storm drain systems will convey nearly the entire newly developed site's drainage toward a series of subsurface storage chambers, located west of the new stadium bleachers in the open turf area between the existing softball fields. The storage chambers will have the capacity to capture and retain a 2-year storm event. Built into the system will be outlets capable of releasing the excess stormwater toward the property perimeter, as was the case prior to development. The site storage chambers will be designed to treat the stormwater runoff and detain the volumes of postdeveloped storm events and release them at a rate that is lower than the predeveloped condition. Therefore, after project implementation, the increase in stormwater runoff would be mitigated, and the discharged water would be treated per Riverside County standards.

In complying with NPDES requirements, project implementation would have no significant impacts to water quality standards or waste discharge requirements, and no mitigation is required.

b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Less Than Significant Impact. Groundwater hydrology impacts may occur from extracting groundwater from water supply needs, increasing or decreasing groundwater recharge, intercepting and removing groundwater from cuts or excavations, or remediation of contaminated groundwater. Earthwork cuts or excavations in areas of shallow groundwater may necessitate the use of temporary or permanent removal of groundwater by dewatering systems. Groundwater recharge may be reduced if an area currently available for spreading of stream runoff is reduced, if permeable streambeds are lined, or if permeable areas located above groundwater basins are replaced by hard surfaces (paving, buildings, etc.). Groundwater recharge may be increased if larger permeable areas are created.

Excavation at the lowest existing grades at the project site would not encounter groundwater. The geotechnical report completed for the project stated that groundwater was not encountered in borings conducted to a maximum depth of 51.5 feet and that the historically shallowest groundwater level is estimated to be 90 feet or deeper. Excavation activities would be minimal since the project site is already

developed and is relatively flat. Due to the depth of groundwater and the limited excavation, groundwater would not be encountered, dewatering would not be involved, and the quality of groundwater would not be impacted. Additionally, the District would be required to comply with a NPDES permit and adhere to standard BMPs designed to prevent erosion and siltation during the project's construction phase, thereby effectively precluding potentially significant impacts to surface water bodies and to the underlying groundwater. Development of the proposed project would not directly or indirectly result in a degradation of groundwater quality, and impacts to groundwater quality would be less than significant. No mitigation measures are required.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in a substantial erosion or siltation on- or off-site.

Less Than Significant Impact. The majority of potential erosion and siltation impacts would occur during the construction phase of the proposed project. During construction, the project site would be cleared of vegetation and debris in preparation for grading, which would expose loose soil to potential wind and water erosion. If not controlled, the transport of these materials to local waterways would temporarily increase suspended sediment concentrations and release pollutants attached to sediment particles into local waterways. As previously stated, preparation of a SWPPP would be required prior to the commencement of construction activities. The SWPPP would describe the BMPs to be implemented during the project's construction activities. Additionally, the operational phase of the proposed project would contain a number of features to reduce the impact of erosion and siltation, and postdevelopment conditions would be similar to if not better than existing conditions. The site design, source control, and treatment control BMPs for the operational phase will be outlined in the project's SWPPP. Since stormwater runoff would be controlled during construction and operation of the project, drainage patterns of the site would not be altered in a manner that would result in erosion or siltation on- or offsite. No significant impacts would occur, and no mitigation is required.

d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

Less Than Significant Impact. As described above in Section 3.9(a), the proposed project would include storm drain systems that would convey nearly the entire newly developed site's drainage toward a series of subsurface storage chambers that would have the capacity to capture and retain a 2-year storm event. Built into the system will be outlets capable of releasing the excess stormwater toward the property perimeter, as was the case prior to development. The site storage chambers would be designed to detain the volumes of postdeveloped storm events and release them at a rate that is lower than the predeveloped condition. Therefore, the proposed project would not increase the stormwater flow, which would result in flooding, either on- or offsite. No significant impacts would occur and no mitigation is required.

e) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?

Less Than Significant Impact. As mentioned, the proposed project would result in a release of stormwater runoff at a rate that would be lower than the existing predeveloped condition. As such, project implementation would not create or contribute to runoff water that would exceed the capacity of stormwater drainage systems in the area. Impacts would be less than significant, and no mitigation is required.

f) Otherwise substantially degrade water quality?

Less Than Significant Impact. The proposed project would not substantially increase runoff from the project site. It would not substantially alter either the drainage or the use of the project site. The project would make improvements to existing facilities. It would not substantially affect water quality in the area. Furthermore, the proposed project would be required to comply with existing laws and regulations, including NPDES and the MS4 permit requirements, for the purpose of protecting water quality. After compliance with existing regulations, project impacts on water quality or water pollution would be less than significant. No significant impacts would occur and no mitigation is required.

g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

No Impact. The majority of the project site is designated by the Federal Emergency Management Agency as within flood zone X, defined as an area outside the 0.2 percent annual chance floodplain. It is outside of 100-year and 500-year flood zones. A small portion of the northeast corner of the campus, outside of the project site, is designated as a "special flood hazard area subject to inundation by the 1% annual chance flood." However, the proposed project would not introduce any new flood hazards or place structures or people within this flood zone. Furthermore, the project would not relocate or create new housing. No impact would occur and no mitigation is required.

h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

No Impact. The project site is designated by the Federal Emergency Management Agency as outside of 100-year and 500-year flood zones. The proposed project would not introduce any new flood hazards or place structures or people within a flood zone. No impact would occur and no mitigation is required.

i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

No Impact. As shown in the Flood Hazard Areas map in the Public Safety Element of the Riverside General Plan 2025, the site is not within the inundation zones of the Sycamore Canyon Dam, the Box Springs Dam, or any other local retained bodies of water. Additionally, the proposed project would make improvements to existing facilities, and would not introduce new risks or hazards at the project site. No impact would occur, and no mitigation is required.

j) Inundation by seiche, tsunami, or mudflow?

No Impact. A seiche is a surface wave created when a body of water is shaken, usually by earthquake activity. Seiches are of concern relative to water storage facilities because inundation from a seiche can occur if the wave overflows a containment wall, such as the wall of a reservoir, water storage tank, dam, or other artificial body of water. Although there are no large water tanks in the area that could impact the proposed project site, there are dams in the region that could create flooding impacts. For example, 13 dams in the greater Los Angeles area moved or cracked during the 1994 Northridge earthquake. However, none was severely damaged. This low damage level was due in part to completion of the retrofitting of dams and reservoirs pursuant to the 1972 State Dam Safety Act.

The project site is approximately 40 miles from the Pacific Ocean. The nearest large body of water are artificial ponds at a golf course approximately one-half mile north of the project site. The geotechnical investigation prepared for the proposed project by Leighton concluded that, based on the distance between

the project site and large bodies of water, seiches and tsunamis are not a hazard to the site. The project site is not within the inundation zone of any dams which could be subject to seiching. As no significant slopes exist on or near the site, the project site would not be subject hazards related to mudslides. Additionally, the proposed project would make improvements to existing facilities and would not introduce new risks or hazards at the project site. No impact related to seiches, tsunamis, or mudslides would occur, and no mitigation is required.

3.10 LAND USE AND PLANNING

a) Physically divide an established community?

No Impact. The proposed project would make improvements to facilities within the confines of an existing high school. The use of the site would not change. Schools are generally considered to be critical community facilities and do not create barriers. The project would not divide an established community. No impact would occur, and no mitigation is required.

b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Less Than Significant Impact. The existing General Plan land use designation for the campus, including the project site, is PF (Public Facilities/Institutional). The existing zoning designations for the site are R-3-1500 in the southern portion and R-1-700 in the northern portion. According to the Permitted Uses Table in the City of Riverside Municipal Code Chapter 19.150, school uses are permitted R-3 zones and permitted with a conditional use permit in R-1 zones.

The proposed project would make improvements to existing facilities, and would not alter the use of the site. The project site would continue to operate as part of the John W. North High School campus. Certain project elements, however, such as the height of the light poles proposed at the fields, may not conform to height limitations specified in the City of Riverside Municipal Code Section 19.556.020(g). Although the project would be inconsistent with the City's zoning code in this regard, Government Code Section 53094 states that the governing board of a school district "by a vote of two-thirds of its members, may render a city or county zoning ordinance inapplicable to a proposed use of property by the school district." Compliance with Government Code Section 53094 would eliminate the requirement to comply with the height limitation and would reduce any potentially significant impacts to less than significant. Therefore, impacts associated with potential conflicts with land use plans, policies, or regulations would not be significant, and no mitigation is required.

c) Conflict with any applicable habitat conservation plan or natural community conservation plan?

No Impact. As discussed in Section 3.4, *Biological Resources*, the project site is within the plan area of the Western Riverside County MSHCP. This plan includes all unincorporated Riverside County land west of the San Jacinto Mountains to the Orange County line, and 14 cities, including the City of Riverside. The project site is not in an area of the Western Riverside County MSHCP designated for preservation. The project site is not within the Stephens' Kangaroo Rat Habitat Conservation Plan area or any habitat conservation plan areas other than the Western Riverside County MSHCP, as shown in the Stephens' Kangaroo Rat Core Reserves and Other Habitat Conservation Plans map in the Open Space/Conservation Element of the City of Riverside General Plan 2025. No conflict with habitat conservation plans or natural community conservation plans would occur. Furthermore, the project site is fully developed and does not contain any natural habitat. No impact would occur, and no mitigation is required.

3.11 MINERAL RESOURCES

a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?

No Impact. The project site is designated by the Open Space and Conservation Element of the City of Riverside General Plan 2025 as within Mineral Resource Zone 4, indicating that the significance of mineral deposits in the area is undetermined. There are no mineral resource sites designated by the General Plan 2025 on or adjacent to the project site. Furthermore, the project site is currently fully developed and in use as part of a high school campus. Implementation of the project would not affect any undeveloped land. Project development would not make unavailable any known mineral resources valuable to the region and the state. No impact would occur and no mitigation is required.

b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. There are no mineral resource recovery sites on or adjacent to the project site designated in the City of Riverside General Plan 2025. Project development would not affect the availability of that mineral resource site or any other mineral site. No impact would occur, and no mitigation is required.

3.12 NOISE

Noise is defined as unwanted sound and is known to have several adverse effects on people, including hearing loss, speech and sleep interference, physiological responses, and annoyance. Based on these known adverse effects of noise, the federal government, the State of California, and the City of Riverside have established criteria to protect public health and safety and to prevent disruption of certain human activities. Characterization of noise and vibration, existing regulations, and calculations for construction noise and vibration levels can be found in Appendix E to this Initial Study.

Terminology and Noise Descriptors

The following are brief definitions of terminology used in this chapter:

- ***Noise.*** Sound that is loud, unpleasant, unexpected, or otherwise undesirable.
- ***Decibel (dB).*** A unitless measure of sound on a logarithmic scale.
- ***A-Weighted Decibel (dBA).*** An overall frequency-weighted sound level in decibels that approximates the frequency response of the human ear.
- ***Equivalent Continuous Noise Level (L_{eq}).*** The mean of the noise level averaged over the measurement period, regarded as an average level.
- ***Day-Night Level (L_{dn}).*** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the sound levels occurring during the period from 10:00 PM to 7:00 AM.
- ***Community Noise Equivalent Level (CNEL).*** The energy average of the A-weighted sound levels occurring during a 24-hour period with 5 dB added to the sound levels occurring during the period

from 7:00 PM to 10:00 PM and 10 dB added to the sound levels occurring during the period from 10:00 PM to 7:00 AM.

L_{dn} and CNEL values rarely differ by more than 1 dB. As a matter of practice, L_{dn} and CNEL values are considered to be equivalent and are treated as such in this assessment.

Existing Noise Environment

The primary sources of noise are local traffic on Chicago Avenue, 3rd Street, and Linden Street and stationary noise at the existing John W. North High School campus (outdoor athletic activities, special events, bells, parking lot noise). State Route 60 (SR-60), to the northeast of the site, is also audible. Other sources of noise in the vicinity are from mechanical systems (heating, ventilation, and air conditioning [HVAC]) and other stationary sources at the existing John W. North High School campus and the adjacent commercial and residential areas.

Methodology

The analysis of noise impacts considers project construction and operations noise as defined by the District (for noise compatibility), the City of Riverside (for stationary and construction noise impacts), and the Federal Transit Administration (FTA) methodology (for construction vibration impacts). The proposed project would have a significant adverse noise impact if the project results in any of the following:

Substantial Increase in Traffic Noise Levels

The traffic noise thresholds are based on human tolerance to noise and are widely used for assessing traffic noise impacts. In general, people tend to compare intruding noise with the existing background noise. If the new noise is readily identifiable or considerably louder than the background, it has the potential to be objectionable or annoying (Caltrans 1998). Consequently, the threshold for increase in traffic noise levels is based on the potential for traffic noise to become considerably louder than the ambient noise level. In general, noise levels must increase by 10 dBA in order to double ambient noise levels. An increase of 5 dBA is readily perceptible to the public and a 3 dBA increase is barely perceivable to the average healthy human ear (Caltrans 1998). Based on the state's noise compatibility criteria of 65 dBA CNEL for residential uses, the District considers audible (3+ dBA) increases in project-related traffic noise to be substantial when the ambient noise environment with the project exceeds 65 dBA CNEL. For cumulative impacts, the District considers segments where the project contributes any increase in noise levels (0.1 dBA or more) to be substantial when cumulative increase in ambient noise levels are 3 dBA or more and noise levels are in excess of the state's noise compatibility criteria.

Stationary-Source Noise

The stationary noise thresholds are based on a combination of the human tolerance to noise and local criteria for stationary noise sources as established by the City of Riverside for noise control. In general, noise from school bands, school athletic activities, and school entertainment events are exempt from the noise limits of the City of Riverside Municipal Code (Section 7.35.020(B)). Noise impacts are based on not only the magnitude of noise but the frequency of occurrence. Therefore, for temporary or periodic increase in noise levels, like an event held at the aquatic center or stadium, the increase in noise would have to be clearly noticeable (+5 dBA) and exceed the nuisance criteria of the municipal code. However, for long-term use of athletic fields, such as gym class, intramural sports, and joint-use of the athletic fields, impacts are significant if the increase in noise would be barely audible (+3 dBA) and exceed the dBA L_{eq} during the daytime.

Construction

The City of Riverside's Noise Ordinance regulates the timing of construction activities. No construction shall be permitted outside of the hours specified in Section 7.35.010(B)(5) of the City of Riverside's Municipal Code. The City of Riverside restricts construction activities to the daytime hours of 7:00 AM to 7:00 PM Monday through Friday and between the hours of 8:00 AM and 5:00 PM on Saturdays. The potential for construction noise impacts to be objectionable depends on the magnitude of noise generated by the construction equipment, the frequency of noise sources during the construction day, and total duration of construction activities.

Vibration

Based on the FTA vibration criteria, vibration annoyance impacts are considered significant when average vibration levels produced by construction equipment would produce excessive levels of vibration (78 VdB) during the daytime at offsite vibration-sensitive structures. In addition, the vibration level at which there is a risk of architectural damage is based on the FTA criteria (0.2 in/sec for typical wood-framed buildings or 0.5 in/sec at reinforced concrete, steel, or timber).

a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less Than Significant Impact. As a result of the increased capacity of the proposed stadium, the proposed project would generate new vehicle trips. The following describes potential stationary and mobile noise impacts associated with the proposed project.

Project-Related Traffic

The operations phase of the project would generate noise associated with additional vehicles traveling to and from the project site on local roadways. Based on the traffic study prepared by Garland Associates, the proposed increase in event seating (2,650 additional seats) at the stadium would generate an increase of 1,590 average daily vehicle trips (ADT). The following analysis describes traffic noise impacts of the project.

Traffic noise modeling was conducted for the buildout year of 2013 and the results are shown in Table 6. Noise from the project-related vehicle traffic is expected to increase noise levels by a maximum of 0.2 dBA on the roadway segment of Linden Street east of Chicago Avenue. The project would not result in an audible (3 dB) change in noise levels. Therefore, noise generated by project-related vehicles would be less than significant, and no mitigation is required.

Table 6
Without Project vs. With Project Traffic Noise Modeling

Location	Existing Condition		Year 2013 Without Project		Year 2013 With Project		Increase (dBA)	
	ADT	dBA CNEL[1]	ADT	dBA CNEL[1]	ADT	dBA CNEL[1]	From Existing	Due to the Project
Linden Street								
w/o Chicago Avenue	12,020	69.2	12,740	69.5	12,820	69.5	0.3	0
e/o Chicago Avenue	12,200	70.3	12,920	70.6	13,620	70.8	0.5	0.2
3rd Street								
w/o Chicago Avenue	16,050	71.5	17,010	71.8	17,160	71.8	0.3	0
e/o Chicago Avenue	26,050	73.6	27,610	73.9	27,760	73.9	0.3	0
Chicago Avenue								
n/o Linden Street	20,130	72.5	21,330	72.7	21,800	72.8	0.3	0.1
s/o Linden Street	20,050	72.5	21,250	72.7	21,400	72.8	0.3	0.1

Source: FHWA, Highway Traffic Noise Prediction Model. Based on traffic volumes and speed limits obtained from the traffic analysis prepared by Garland Associates (2011).
Notes: ADT: average daily trips; w/o: west of; e/o: east of; n/o: north of; s/o: south of; btwn: between.
[1] Noise levels calculated at 50 feet from the roadway centerline.

Stationary-Source Noise Impacts

Stadium Modernization

The proposed project includes modernization of the existing stadium. The spectator capacity would increase from 750 to 3,400 seats, a net increase of 2,650 seats. The existing wooden bleachers of 750 spectator seats east of the field would be removed and replaced with 2,100 aluminum home seats east of the field and 1,300 aluminum visitor seats west of the field.

Noise generated during a stadium event represents the loudest stationary-source noise at the proposed project. These large-capacity events would last approximately three hours, generally between the hours of 6:30 PM and 10:00 PM. Homecoming, rival games, and possible playoff games could result in maximum-capacity crowds at the high school stadium. Occasional special events, such as graduation ceremonies, may also result in capacity crowds.

Noise generated at the proposed modernized stadium during an event would substantially increase ambient noise levels in the vicinity of the project site. Noise at the stadium would be highly variable during the game and would depend on the level of activity at the stadium. In general:

- PA systems could create more noise than the crowd. PA noise (commentary, announcements, etc.) occurs far more often than crowd cheers.
- Cheerleaders on portable PA systems, the band, and potential fireworks during halftime generate noise.
- Foot-stomping on aluminum bleachers generates noise.
- Other noise sources during a stadium event include air horns and referee whistles.

Both home team and visitors bleachers would be constructed of aluminum without any shielding in back. Foot stomping on aluminum bleacher floors is a common source of stadium noise, often used as a louder alternative to traditional applause. The PA system would be designed with four speakers mounted on lighting poles around the track and field and pointed down toward the seating areas (centralized PA system).

Existing noise levels from stadium events are shown in Figure 7, *Existing Noise Levels from Stadium Events*, and future noise levels from stadium events are shown in Figure 8, *Future Noise Levels from Stadium Events*. As shown in Figure 9, *Change in Stadium Event Noise Levels*, removal and replacement of the stadium would increase noise levels at the residences to the west of Chicago Avenue and south of Linden Street. Residents would experience a clearly noticeable (+5 dBA) increase in noise levels. While noise levels at the residences to the west of Chicago Avenue and south of Linden Street would experience noise levels exceeding 55 dBA L_{eq}, the Riverside municipal code is duration-based (i.e., a given level should not be exceeded for a specified portion of any hour), and these exterior noise limits would not be exceeded by the proposed project, as shown in Table 7. While the increase in stadium noise would be audible, noise from the stadium would not exceed the duration-based limits of the Municipal Code, which are the basis for determining if such impacts are considered a noise nuisance. Therefore, no significant impacts are identified from the modernization of the stadium, and no mitigation is necessary.

Table 7
Future Stadium Noise Levels

Residential	*Leq*	*L_{50}*	*L_{25}*	*L_8*	*L_2*
Maximum Project Noise Level[1]	56.7	52.0	56.1	61.2	64.4
Maximum Permissible Noise Levels (dBA)[2]	55.0	60.0	65.0	70.0	75.0
Meets Criteria	n/a	Yes	Yes	Yes	Yes

[1] Noise levels were predicted using SoundPlan Noise Model, Version 6.5 using noise monitoring data from Carlsbad High School, September 18, 2008. Maximum project generated noise level occurs at eastern fenceline of the residential area, along Chicago Avenue.
[2] Source: City of Riverside, Municipal Code, Title 7, Noise Control, Section 7.25.010.

Daytime, After-School, and Weekend Use of Hardcourts

The proposed project incorporates outdoor amenities, including two new tennis courts and relocated basketball courts. The locations of these amenities are shown in Figure 3-4, *Conceptual Site Plan*. The two new tennis courts would replace existing basketball courts and would not represent a new source of noise at the campus. The tennis courts, which are approximately 690 feet from the noise-sensitive residences south of Linden Street and West of Chicago Avenue, and the basketball courts, which are approximately 1,140 feet away, would generate 34.9 dBA at the residences. Therefore the nuisance criteria of the municipal code, which is 55 dBA L_{eq} for noise that occurs in daytime (7:00 AM to 10:00 PM), would not be exceeded, and noise impacts would be less than significant. No mitigation is required.

New Mechanical Equipment

The modified aquatic center would require installation of new mechanical equipment, such as a new pool pump. Mechanical equipment would be installed to comply with the City's Municipal Code Section 7.25.010 regulating noise (daytime 55 dBA L_{eq}-hourly and Nighttime 45 dBA L_{eq}-hourly). Therefore, use of new equipment would not substantially elevate average daytime noise levels in the vicinity of the project site, and noise impacts would be less than significant. No mitigation is necessary.

b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?

Less Than Significant Impact. Operation of the project would not generate substantial levels of vibration due to the lack of vibration-generating sources and therefore is not analyzed below. Construction activities can generate varying degrees of ground vibration, depending on the construction procedures, construction equipment used, and proximity to vibration-sensitive uses. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. Ground vibrations from construction activities rarely reach levels that can damage structures, but can achieve the audible and perceptible ranges in buildings close to a construction site.

Vibration-Induced Architectural Damage

Building damage is not a factor for normal projects, with the occasional exception of blasting and pile-driving during construction (FTA 2006). According to Caltrans, extreme care must be taken when sustained pile driving occurs within 25 feet of any building; however, the threshold at which there is a risk of architectural damage to normal houses with plastered walls and ceilings is 0.2 inch per second (Caltrans 2002). Because the proposed project does not involve rock blasting or pile-driving or heavy construction equipment within 25 feet, vibration-induced structural damage would not occur. However, minor architectural damage from heavy construction equipment could occur. Project-related construction vibration was evaluated for its potential to cause minor architectural damage based on Federal Transit Administration's (FTA) architectural damage criteria. Table 8 shows the vibration levels from construction equipment that would occur at the nearest residential structure to the project site. As shown in the table, construction activities associated with the project would not result in vibration levels that exceed the FTA's criteria for vibration-induced architectural damage at the surrounding residences. Therefore, vibration impacts would be less than significant, and no mitigation is necessary.

Table 8
Construction-Related Risk of Architectural Damage

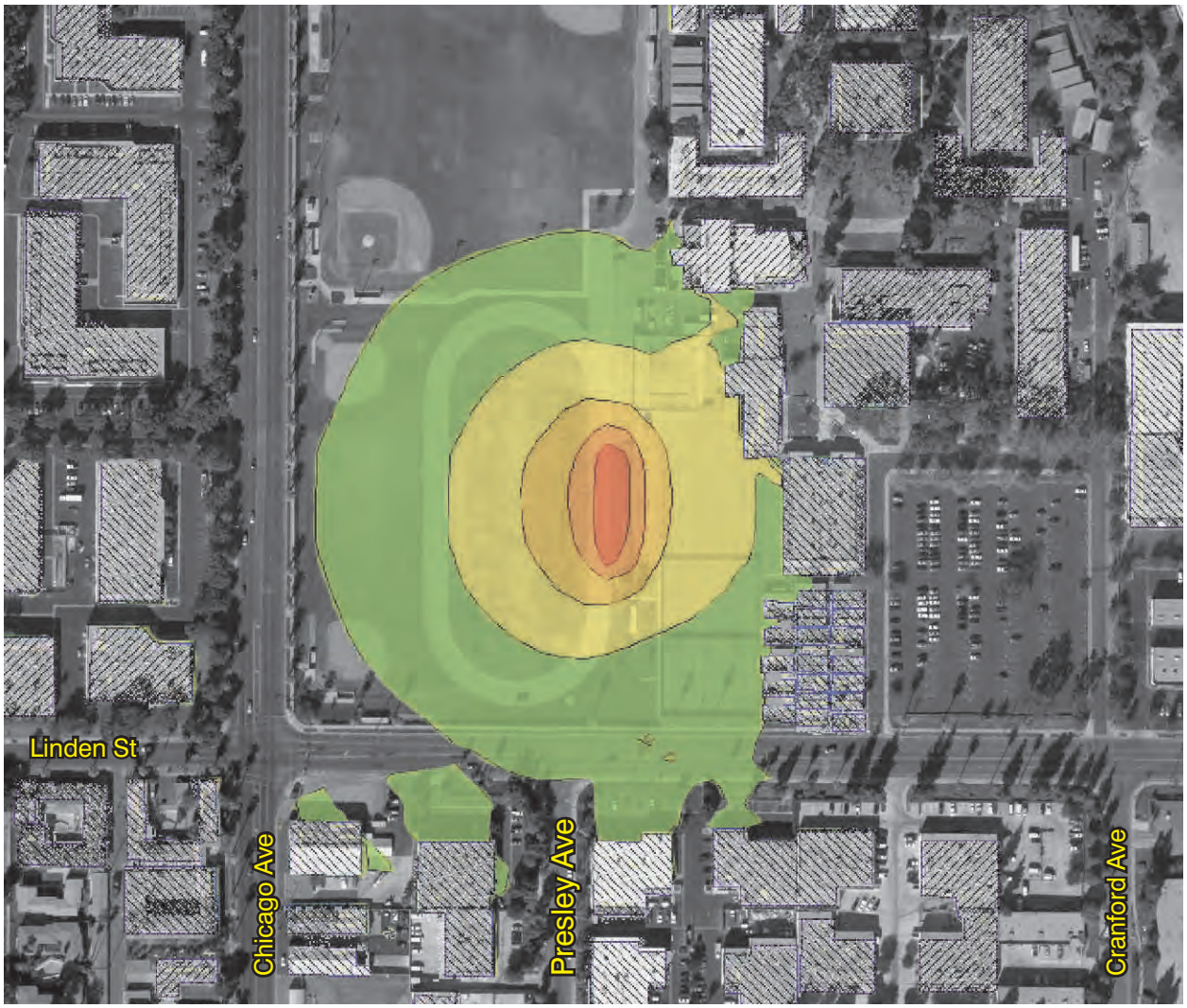
Maximum RMS Velocity (in/sec)[1]	*Significance Threshold (in/sec)*	*Risk of Architectural Damage?*
0.002	0.2	No

Source: Based on methodology from FTA 2006.
RMS velocity calculated from vibration level using the reference of one microinch/second. NA: Not Applicable
[1] Based on a distance from the boundary of the project site to the nearest structure. The closest offsite structure is approximately 310 feet from where activities would occur onsite.
[2] Vibration levels from the listed off-road construction equipment are equivalent to vibration levels generated by a large bulldozer.

Vibration Annoyance

Vibration is typically noticed nearby when objects in a building generate noise from rattling windows or picture frames. It is typically not perceptible outdoors (FTA 2006), and therefore impacts are based on the distance to the nearest building. The effect on buildings near a construction site varies depending on soil type, ground strata, and receptor building construction. The generation of vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibrations at moderate levels, to slight damage at the highest levels.

Existing Noise Levels from Stadium Events



Noise Levels in dB(A)

55 60 65 70 75 80 85

0 250

Scale (Feet)

Source: Google Earth Pro 2010

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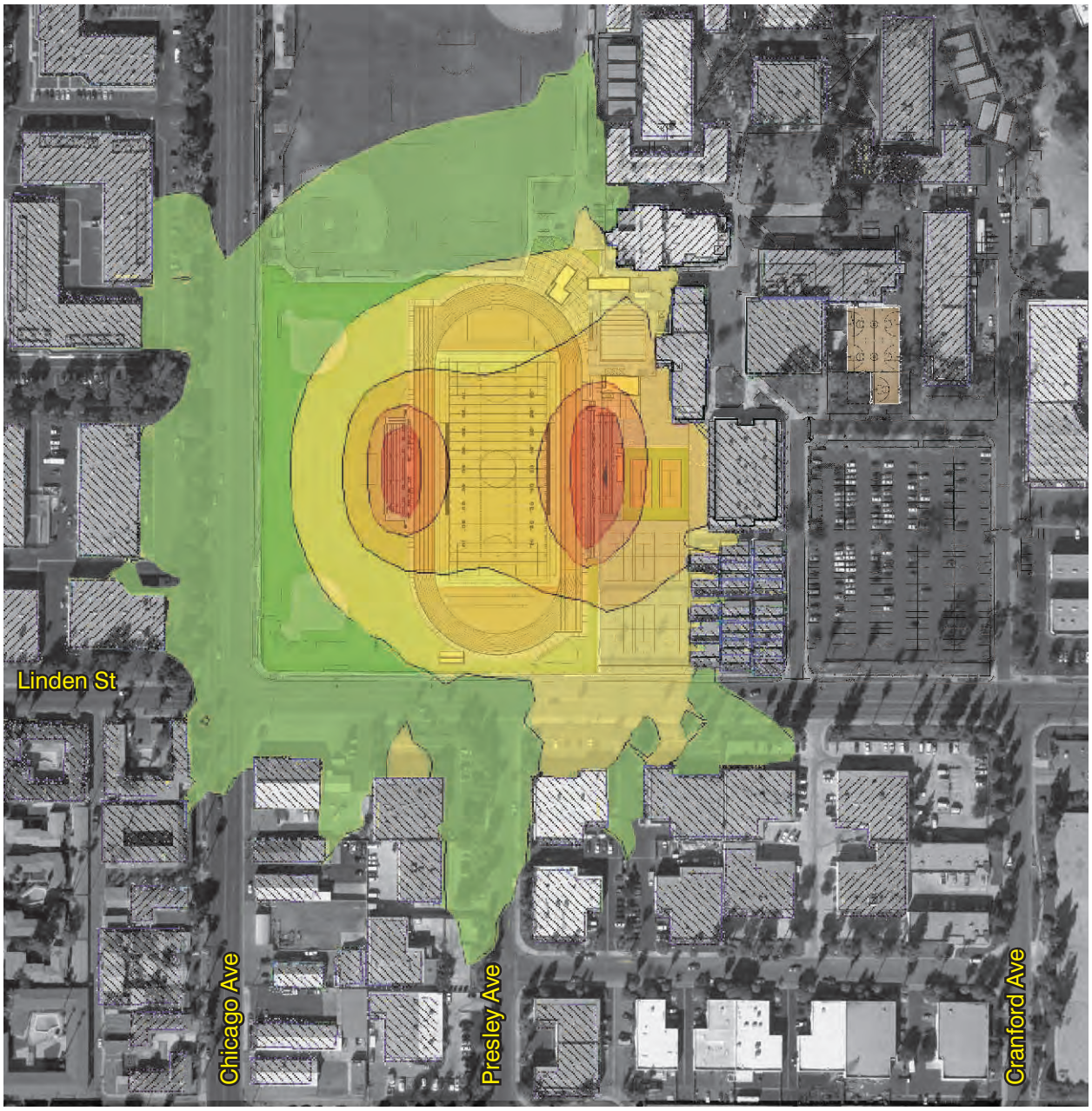
Future Noise Levels from Stadium Events



Noise Levels in dB(A)

55 60 65 70 75 80 85

0 250

Scale (Feet)

Source: Google Earth Pro 2010

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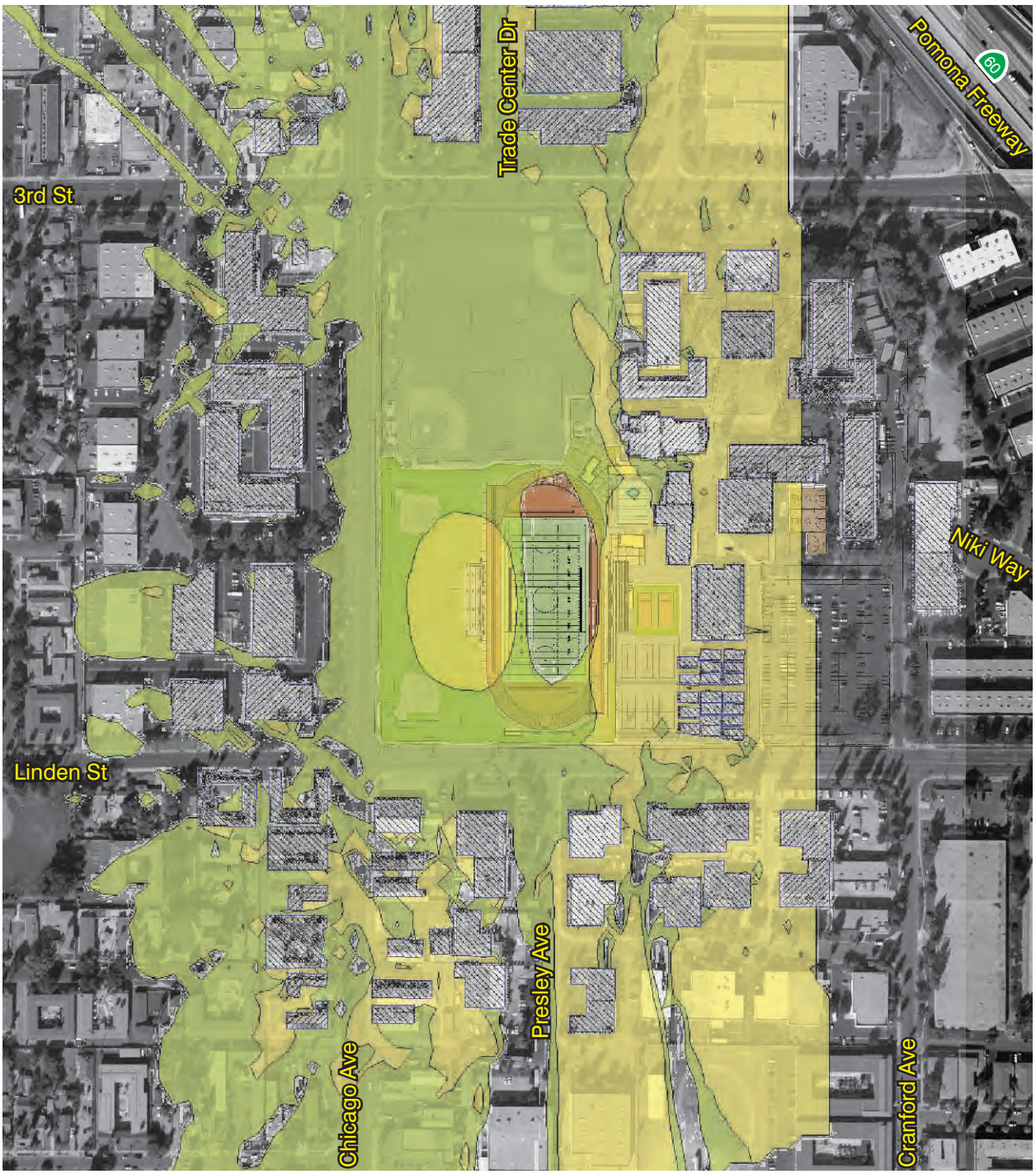
Change in Noise Levels from Stadium Events



Change in Future Noise Levels in dB(A)

3 5

0 500

Scale (Feet)

Source: Google Earth Pro 2010

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Vibration would primarily occur during the grading and foundation phases of construction. Peak vibration levels occur when construction equipment operates directly adjacent to the property line. Although the maximum vibration could be perceptible in certain instances, peak vibration events occur infrequently, they occur during the least sensitive portions of the day, and duration for which equipment would be working in close proximity would be limited. Additionally, construction activities are typically distributed throughout the project site. Therefore, construction vibration impacts are based on the average vibration levels which are vibration levels that would be experienced by sensitive receptors the majority of the time. Table 9 shows vibration levels from construction equipment operating at the project site at the surrounding vibration-sensitive land uses.

Table 9
Construction-Related Vibration Annoyance

Vibration-Sensitive Land Use	*Average Distance to Nearest Construction Area (Feet)[1]*	*Approximate Velocity (VdB)*	*Significance Threshold (VdB)*	*Sensitive Use Significantly Annoyed?*
Residents South of Linden Street and West of Chicago Avenue	610	59	78	No
Classrooms	250	67	78	No

Source: Based on methodology from FTA 2006.
[1] Based on average distance, approximate distance from the receiving property line to the center of construction activities.
[2] Vibration levels from the listed off-road construction equipment are equivalent to vibration levels generated by a large bulldozer.

Average vibration levels for large off-road construction equipment would not exceed the FTA criterion for vibration annoyance of 78 VdB. Construction activities associated with the project would occur at substantial distances from the nearest vibration-sensitive use. Therefore, impacts to offsite residences from vibration annoyance would be less than significant, and no mitigation is required.

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact. As described in response 3.12a above, increases in noise levels related to stationary sources for the proposed project would not substantially elevate the existing ambient noise environment and would not result in a significant impact. Therefore, no mitigation measures are necessary.

d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?

Less Than Significant Impact with Mitigation Incorporated. Noise levels associated with construction activities would be higher than the ambient noise levels in the project area today, but would subside once construction of the proposed project is completed. Short-term noise would be generated from construction activities, including site preparation and construction. Two types of short-term noise impacts could occur during construction: (1) mobile noise from transport of workers and material deliveries and (2) stationary construction noise from use of onsite construction equipment. The following analysis describes construction noise impacts of the project.

Mobile Sources of Short-Term Construction Noise

The transport of workers and equipment to the construction site would incrementally increase noise levels along site access roadways. Even though there would be a relatively high single-event noise exposure potential with passing trucks (a maximum noise level of 86 dBA at 50 feet), the expected number of workers and trucks is minimal (Caltrans 1998). It is anticipated that up to 15 construction trips would be generated per day.[9] Furthermore, truck trips would be spread throughout the workday and would primarily occur during nonpeak traffic periods. The existing roadway volumes within the study area range between 12,020 and 26,050 average daily trips.[10] Typically, to increase noise levels by 3 dB, a doubling of vehicle trips would be required. The low volume of project-related construction worker and vendor trips would be negligible compared to the volumes of traffic currently generated. Therefore, these impacts are less than significant at noise receptors along the construction routes.

Onsite Sources of Short-Term Construction Noise

Noise generated during construction is based on the type of equipment used, the location of the equipment relative to sensitive receptors, and the timing and duration of the noise-generating activities. Construction noise levels reported in Bolt et al. were used to estimate future construction noise levels for the proposed project. Noise levels are the average noise levels for each construction phase. Each stage involves the use of different kinds of construction equipment and, therefore, has its own distinct noise characteristics. The dominant noise source from most construction activities is the engine, and noise levels from construction activities are dominated by the loudest piece of construction equipment. Nearby noise-sensitive receptors (primarily the residences and classroom activities) can be exposed to high levels of noise levels when construction equipment operates adjacent to the property line. Noise levels from a front-end loader can generate noise levels ranging between 86 to 90 dBA when operating at 50 feet (FTA 2006). Noise levels from project-related construction activities are shown in Table 10. These are the average noise levels based on the average distance that construction activities would occur from the nearby noise-sensitive receptors and represent the noise levels that noise-sensitive receptors would be exposed to the majority of the time during each construction phase.

[9] Construction vehicle trips associated with employees, vendors, and haul trucks are estimated in the CalEEMod.

[10] Based upon traffic analysis prepared by Garland Associates (2011).

Table 10
Average Construction Noise Levels

Noise-Sensitive Land Use	Average Distance to Nearest Construction Area (Feet)	Construction Noise Levels at Noise-Sensitive Land Uses (dBA L_{eq})				
		Ground Clearing/ Demolition	Site Preparation	Foundation Construction	Building Construction	Finishing & Cleanup
Residents South of Linden Street and West of Chicago Avenue[2]	610	51	56	45	54	56
Classrooms (400 Building)	250	63	68	57	66	68

Source: Bolt et al., 1971.
Noise that would exceed the maximum desired noise levels of 65 dBA CNEL for multi-family residential uses and schools are shown in Bold. Commercial and office land uses are not noise-sensitive.
[1] Noise levels based on noise level of All Applicable Equipment in Use as indicated in Bolt el al. Based on average distance, approximate distance from the receiving property line to the center of construction activities. Does not include attenuation as a result of intervening topography or structures.
[2] Construction activities would occur during the least noise-sensitive portions of the day.

Project-related construction activities would take approximately 12 months to complete and would range from 45 to 56 dBA L_{eq} at the nearest offsite noise-sensitive land uses. In general, construction activities would elevate ambient noise levels during the daytime at the noise-sensitive residential uses south of Linden Street and west of Chicago Avenue. The City of Riverside allows for noise from construction activities, but limits it to the least noise-sensitive portions of the day (7:00 AM to 7:00 PM Monday through Friday and between 8:00 AM and 5:00 PM on Saturdays). The project would comply with the City of Riverside's Municipal Code, and construction activities would not occur in the evening or late-night hours when residential land uses are more sensitive to noise. Construction activities would occur in the daytime and would occur during the least noise-sensitive portion of the day, and maximum noise levels would be infrequent throughout the workday, resulting in less than significant impacts. Implementation of mitigation measures would further reduce the magnitude of construction noise levels and would ensure impacts remain less than significant.

Mitigation Measures

2. Construction activities, deliveries, and haul trucks shall be restricted to the daytime hours of 7:00 AM to 8:00 PM for the duration of the construction period.

3. Prior to the start of and for the duration of construction, the contractor shall properly maintain and tune all construction equipment in accordance with the manufacturer's recommendations to minimize noise emissions.

4. Prior to use of any construction equipment, the contractor shall fit all equipment with properly operating mufflers, air intake silencers, and engine shrouds no less effective than as originally equipped by the manufacturer.

5. The construction contractor shall post a sign, clearly visible onsite, with a contact name and telephone number of the Riverside Unified School District's authorized representative to respond in the event of a noise complaint.

6. Prior to construction, the Riverside Unified School District's construction contractor shall coordinate with the school administrator(s) for John W. North High School to discuss

construction activities that generate high noise and vibration levels. Coordination between the school administrator(s) and the construction contractor shall continue on an as-needed basis throughout the construction phase of the project to avoid potential disruption of classroom activities.

7. During construction, the construction contractor shall place stationary construction equipment and material delivery (loading/unloading) areas a minimum of 100 feet from adjacent residential land uses and classroom buildings.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less Than Significant Impact. The nearest airport is Flabob Airport, approximately three miles west of the project site. Riverside Municipal Airport is approximately five miles southwest of the campus. The site is not within any airport compatibility zones designated in the Riverside County Airport Land Use Compatibility Plan. Project implementation would not expose students or staff to excessive noise levels associated with aircrafts, or increase exposure to noise associated with aircrafts. No significant impact would occur, and no mitigation is necessary.

f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

Less Than Significant Impact. The proposed project would not be developed within the vicinity of a private airstrip. The campus is within two nautical miles of heliports. The Riverside City Hall Heliport near the intersection of Orange Street and 10th Avenue, approximately 1.5 miles west of the project site. A new heliport has also been proposed at Riverside Community Hospital, also approximately one mile west of the project site. Helicopters operating to and from the City Hall Heliport do not currently have a substantial effect on occupants of the project site, and it is not anticipated that the proposed Riverside Community Hospital heliport would have a notable effect on the campus. As the project would make improvements to existing facilities, it would not increase student exposure to noise generated by aircrafts or helicopters. Project implementation would not expose school occupants to excessive noise levels associated with a private airstrip. No significant impact would occur, and no mitigation is necessary.

3.13 POPULATION AND HOUSING

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The proposed project would not require or result in the development of new housing or businesses, nor in the extension of roads or other infrastructure. The proposed project would not affect school capacity or enrollment. Consequently, the project would not induce population growth. No impact would occur, and no mitigation is required.

b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed project would improve existing school facilities. No housing would be affected by the proposed project. The proposed project would not displace housing or necessitate the construction of housing. No impact would occur, and no mitigation is required.

c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed project would not displace any people and would not require the construction of replacement housing. No impact would occur as a result of the proposed project, and no mitigation is required.

3.14 PUBLIC SERVICES

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

a) Fire protection?

Less Than Significant Impact. The City of Riverside Fire Department provides fire protection to the project area. The nearest fire station is Station #4 at 3510 Cranford Avenue in the City of Riverside, immediately southeast of the John W. North High School campus parking area and approximately 600 feet east of the project site. Station 4 is equipped with two fire engines. Demand for fire protection services is generally tied to population growth. The project would make improvements to existing facilities. It would not increase enrollment or capacity at the school or the population of the project area. The project would not make any programmatic changes. Therefore, the project would not substantially increase the need for fire protection services. Caterina Williams of the City of Riverside Fire Department Prevention Division was consulted, and Ms. Williams confirmed that no impact to fire protection services would result from the proposed project. No significant impacts to fire protection services would occur as a result of the proposed project, and no mitigation is required.

b) Police protection?

Less Than Significant Impact. The Riverside Police Department provides police protection to the project site. The nearest Riverside Police Department facility is at 4102 Orange Street in Riverside, about 1.7 miles north of the site. The Riverside Police Department is staffed by 345 sworn officers and 206 nonsworn employees. The Riverside Police Department assigns school resource officers for police protection at District schools. Demand for police protection services is generally tied to population growth. Increased localized activity could also create demand for police protection. The project would improve existing athletic facilities and would not make any programmatic changes at John W. North High School. No population growth would result. As the proposed project would not substantially alter the use of the project site, no significant impacts to police protection services are anticipated. Sergeant Kittinger with the Riverside Police Department was consulted, and Sergeant Kittinger confirmed that no impact to police protection services in the area would result from proposed project.

The project would allow for increased attendance at athletic events through the installation of the proposed 3,400-seat spectator bleachers. Sergeant Kittinger stated that, should large events be held on the campus, the District and the Riverside Police Department have an arrangement in which the District hires the police department to provide security on an as-needed basis. Because a procedure is in place to hire additional police protection services as needed, ensuring that the Riverside Police Department has adequate resources, these occasional large events would not significantly impact police protection service resources. No mitigation is required.

c) Schools?

No Impact. The proposed project would improve athletic facilities at an existing high school campus. The project would not result in increased enrollment at John W. North High School or population growth in the area, and would therefore not require the expansion or creation of schools. The project would have a favorable impact on athletic facilities at John W. North High School. No adverse impacts would occur, and no mitigation is required.

d) Parks?

No Impact. Increases in demands for park facilities generally result from population increases, which in turn generally result from residential development and development of new job-generating land uses. The proposed project would improve existing recreational facilities at John W. North High School, and would not develop new residential or job-generating land uses. The project would not require John W. North High School students to use off-campus recreational facilities. The project would improve existing athletic facilities that are available to the public under the Civic Center Act, improving recreational facilities in the area. No impact to park services would occur and no mitigation is required.

e) Other public facilities

No Impact. The Riverside Public Library provides library services to the City of Riverside. The site is served by the Eastside Branch Library at 4033-C Chicago Avenue, approximately 2,000 feet south of the project site. The proposed project would not increase the student capacity of John W. North High School and would not require students to use off-campus library facilities. No adverse impact to library facilities would occur, and no mitigation is required.

3.15 RECREATION

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities, such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. The proposed project would make improvements to athletic facilities at John W. North High School. Athletic facilities at the John W. North High School campus would continue to be available for community uses pursuant to the Civic Center Act, so the project would have a favorable impact on recreational facilities available to the surrounding community. The project would not increase the use of existing off-campus parks and recreational facilities. No adverse impact would occur, and no mitigation is required.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

Less Than Significant Impact. The proposed project would not result in population growth, necessitating the construction of offsite recreational facilities. The project would result in the construction of new recreational facilities and structures in the place of existing recreational facilities, and the environmental effects of the construction of these facilities is examined throughout this document. After implementation of the mitigation measures in this document, construction of proposed recreational facilities would not have significant adverse physical effects on the environment. No mitigation is required.

3.16 TRANSPORTATION/TRAFFIC

The following analysis was prepared in consultation with Garland Associates, a traffic engineering firm.

a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

Less Than Significant Impact. A traffic analysis has been conducted to evaluate the impacts of the proposed stadium expansion project on the study area circulation system. The results of the analysis are summarized in the following sections.

Study Methodology

The methodology for the traffic study, in general, was to (1) establish the existing baseline traffic conditions on the streets that provide access to the school site; (2) project the future baseline traffic conditions for the target year of opening for the proposed facilities (year 2013); (3) estimate the levels of traffic that would be generated by the existing stadium and the proposed stadium for a capacity-level event, defined as one with a patronage level of 2,500 or greater; (4) conduct a comparative analysis of traffic conditions with and without the proposed stadium project; (5) evaluate site access and parking; and (6) identify the mitigation measures required to alleviate the significant impacts associated with the project. The analysis is based on Friday evening traffic conditions on the roadways and intersections in the project vicinity.

The traffic analysis addresses the impacts at 10 intersections in the vicinity of the school site, including the school's main driveway on Linden Street. The study area intersections, the type of traffic control at each intersection, and the public agency responsible for each intersection are listed in Table 11.

Table 11
Study Area Intersections

Intersection	*Traffic Control*	*Jurisdiction*
Chicago Avenue / Third Street	Signalized	City of Riverside
Chicago Avenue / Linden Street	Signalized	City of Riverside
Chicago Avenue / University Avenue	Signalized	City of Riverside
Iowa Avenue / Blaine Street	Signalized	City of Riverside
Iowa Avenue / Linden Street	Signalized	City of Riverside
Iowa Avenue / University Avenue	Signalized	City of Riverside
Third Street / I-215 Southbound Ramps	Signalized	Caltrans
Blaine Street / I-215 Northbound Ramps	Signalized	Caltrans
Linden Street / School Entry Driveway	No Control	City of Riverside
Linden Street / School Exit Driveway	Stop Sign at Driveway	City of Riverside

The traffic impact analysis is based on an evaluation of the levels of service at the affected study area intersections. Level of service (LOS) is an industry standard by which the operating conditions of a roadway segment or an intersection are measured. LOS is defined on a scale of A to F, with LOS A representing the best operating conditions and LOS F representing the worst operating conditions. LOS A facilities are characterized as having free flowing traffic conditions with no restrictions on maneuvering or operating speeds, where traffic volumes are low and travel speeds are high. LOS F facilities are characterized as having forced flow with many stoppages and low operating speeds. According to the City of Riverside's "Traffic Impact Analysis Preparation Guide" (Public Works Department, May 2009), LOS A through D represent acceptable conditions, while LOS E and F represent unacceptable congested, overcapacity conditions.

The levels of service for the study area intersections were analyzed for several scenarios, including existing conditions, existing plus project conditions, future baseline conditions without the project for the target year of 2013, and year 2013 conditions with the proposed project. The levels of service were determined in accordance with the Highway Capacity Manual methodology by using the Highway Capacity Software. The LOS values are based on the average delay per vehicle at each intersection.

Street Network

The streets that provide access to the project area include Chicago Avenue, Third Street, Blaine Street, Linden Street, Iowa Avenue, University Avenue, and the Moreno Valley Freeway (Interstate 215 / State Route 60). The following paragraphs provide a brief description of the characteristics of these streets. Figure 10, *Existing Lane Configuration and Roadway Characteristics*, illustrates the study area street network and shows the roadway characteristics, such as number of lanes, speed limits, types of traffic control at the intersections, and the lane configuration at the intersections.

Chicago Avenue

Chicago Avenue is a four-lane north–south street that abuts the west side of the school campus. It has signalized intersections with pedestrian crosswalks and push buttons at Third Street and Linden Street at the northwest and southwest corners of the school campus, respectively. The speed limit on Chicago Avenue is 40 miles per hour (mph).

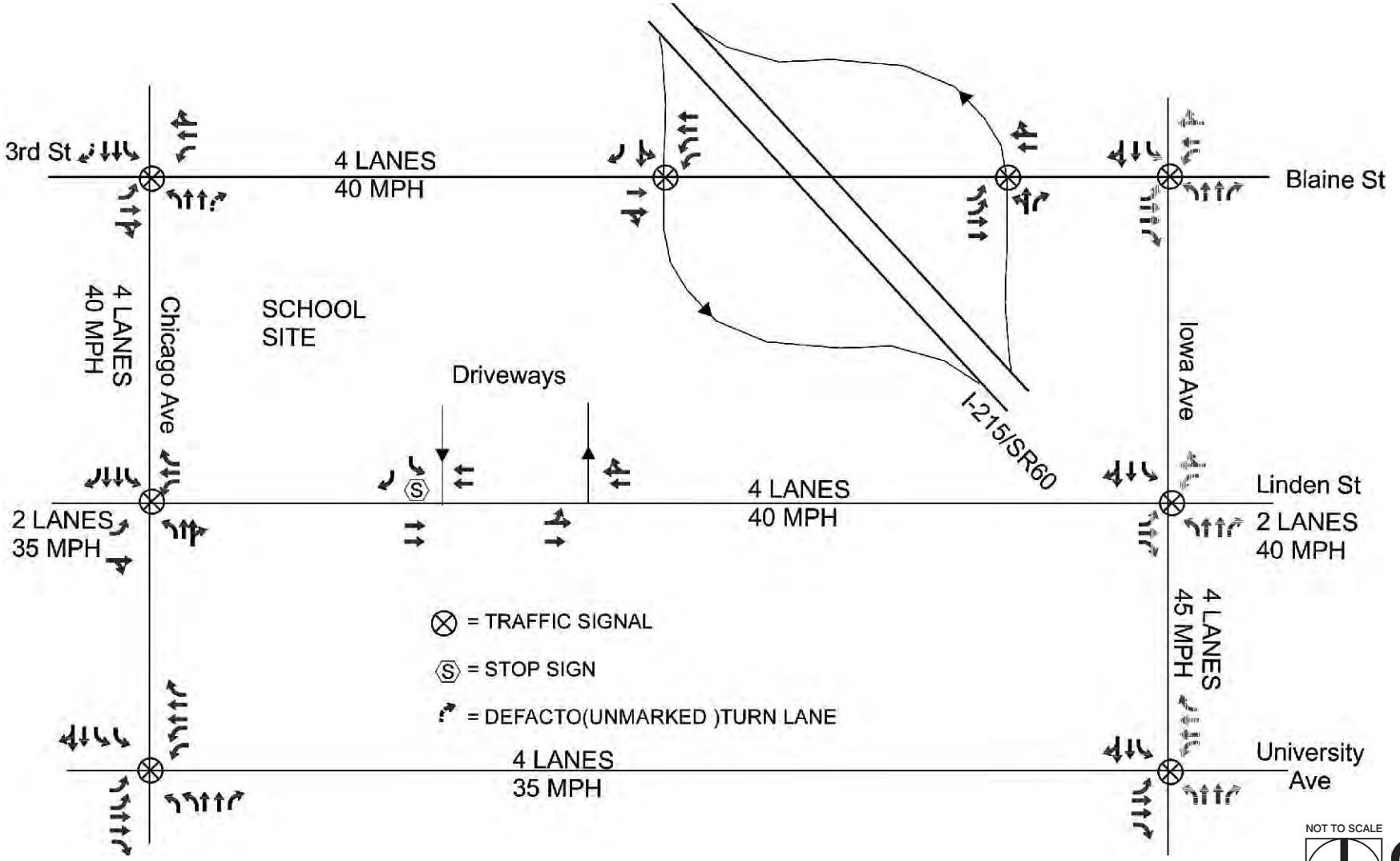
Third Street

Third Street is a four-lane east–west street that abuts the north side of the school campus. It has an interchange with the Moreno Valley Freeway to the east of the school campus. The speed limit on Third Street is 40 mph.

Blaine Street

Blaine Street is a four-lane east–west street that is the easterly continuation of Third Street on the east side of the Moreno Valley Freeway. Third Street and Blaine Street are essentially the same street, but named Third Street west of the freeway and Blaine Street east of the freeway. The speed limit on Blaine Street is 40 mph.

Existing Lane Configuration and Roadway Characteristics



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Linden Street

Linden Street is a two- to four-lane east–west street that abuts the south side of the school campus. It has two lanes west of Chicago Avenue, four lanes between Chicago Avenue and Iowa Avenue, and two lanes east of Iowa Avenue. The school's main access driveways are on the north side of Linden Street east of Chicago Avenue. The east driveway is an entry drive and the west driveway is an exit drive. The speed limit on Linden Street is 35 mph west of Chicago Avenue and 40 mph east of Chicago Avenue.

Iowa Avenue

Iowa Avenue is a two- to four-lane north–south street approximately one-quarter mile east of the school campus. It has four lanes north of University Avenue and two lanes south of University Avenue. The speed limit on Iowa Avenue is 45 mph.

University Avenue

University Avenue is a four-lane east–west street approximately one-quarter mile south of the school campus. The speed limit on University Avenue is 35 mph.

Moreno Valley Freeway

The Moreno Valley Freeway (Interstate 215 / State Route 60) is a major freeway facility approximately one-quarter mile east of the school campus. It runs diagonally through the study area in a northwest to southeast direction. This freeway has interchanges with Third Street / Blaine Street and University Avenue in the vicinity of the school.

Existing Traffic Volumes

Manual traffic counts were taken at the 10 study area intersections during the Friday evening peak period in September of 2010. The peak hour for this analysis refers to the one-hour time period prior to the beginning of an event at the stadium when patrons are traveling to the stadium. The traffic analysis addresses the preevent time period because the ambient traffic volumes are substantially higher then (generally between 6:00 and 7:00 PM) compared to the postevent period (after 9:00 PM). Most high school football games in this district begin at 7:00 or 7:30 PM. Figure 11, *Existing Traffic Volumes: Friday Evening Peak Hour*, illustrates the existing peak hour traffic volumes and turning movements.

Existing Intersection Levels of Service

To quantify the existing baseline traffic conditions, the 10 study area intersections were analyzed to determine their operating conditions during the Friday evening peak hour. Based on the peak hour traffic volumes, the turning movement counts, and the existing number of lanes at each intersection, the average vehicle delay values and corresponding levels of service have been determined at each intersection, as summarized in Table 12.

Table 12
Existing Intersection Levels of Service

Intersection	Average Delay Value (seconds/vehicle) & Level of Service
Signalized Intersections	
Chicago Avenue / Third Street	23.0 – C
Chicago Avenue / Linden Street	15.5 – B
Chicago Avenue / University Avenue	17.4 – B
Iowa Avenue / Blaine Street	20.7 – C
Iowa Avenue / Linden Street	14.5 – B
Iowa Avenue / University Avenue	19.7 – B
Third Street / I-215 Southbound Ramps	18.0 – B
Blaine Street / I-215 Northbound Ramps	11.0 – B
Unsignalized Intersections	
Linden Street / School Entry Driveway	7.5 – A
Linden Street / School Exit Driveway	9.3 – A

The levels of service shown in Table 12 are based on the average vehicle delay values that were calculated for each intersection using the Highway Capacity Software. The relationship between the average delay values and levels of service is shown in Table 13. As shown in Table 12, all 10 of the study area intersections currently operate at acceptable levels of service during the Friday evening peak period, since two of the intersections operate at LOS A, six at LOS B, and two at LOS C.

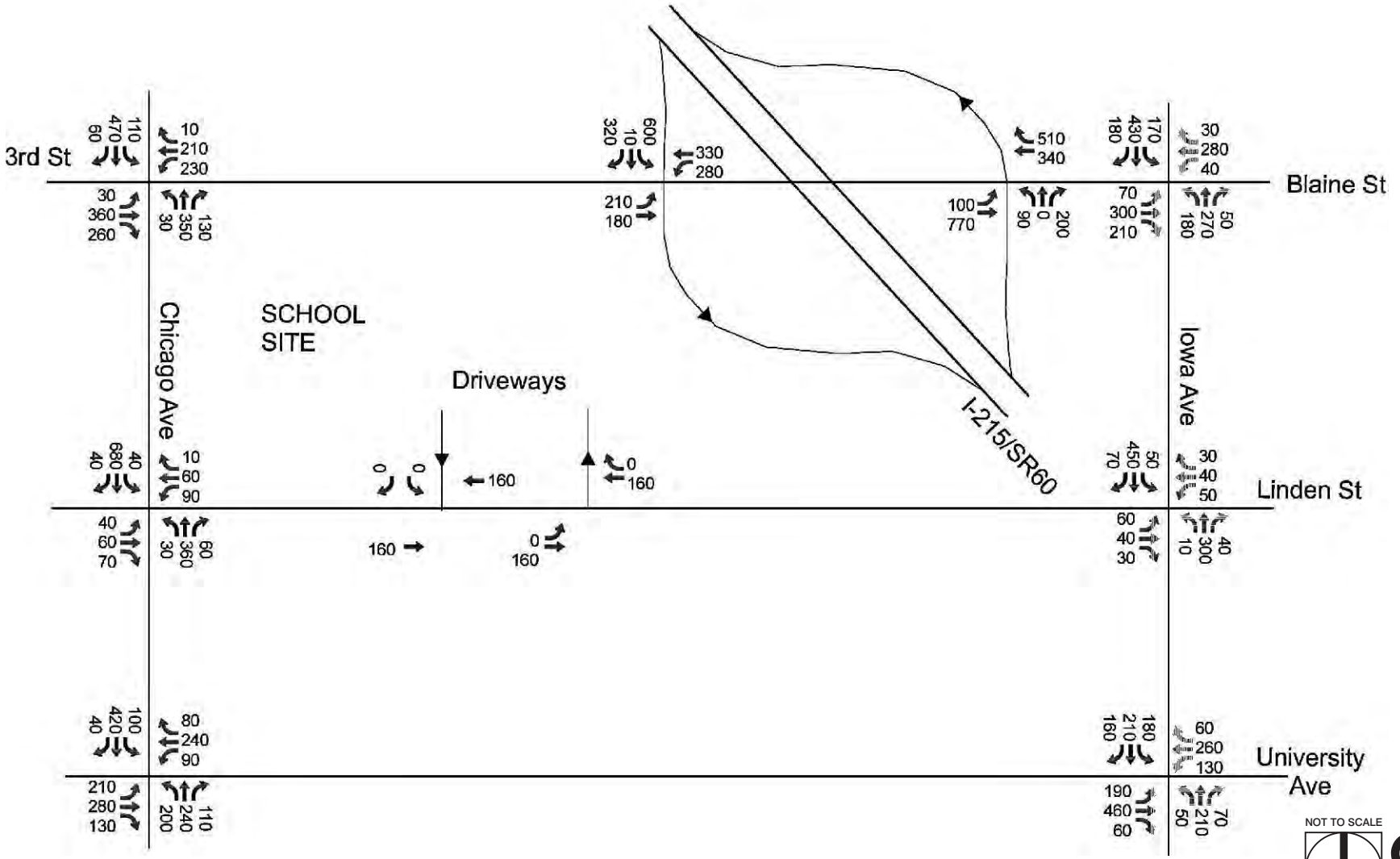
Table 13
Relationship between Delay Values and Levels of Service

Level of Service	Delay Value (seconds) Signalized Intersections	Delay Value (seconds) Unsignalized Intersections
A	0.0 to 10.0	0.0 to 10.0
B	> 10.0 to 20.0	> 10.0 to 15.0
C	> 20.0 to 35.0	> 15.0 to 25.0
D	> 35.0 to 55.0	> 25.0 to 35.0
E	> 55.0 to 80.0	> 35.0 to 50.0
F	> 80.0	> 50.0

Existing and Future Baseline Traffic Conditions

Because the proposed project is expected to be completed and operational by the year 2013, the existing (2010) traffic volumes were expanded by an ambient growth factor of 6 percent (2 percent growth per year for three years) to account for general regional growth and the cumulative impacts of traffic associated with other development projects in the area. Since the proposed project would result in the expansion of the existing stadium from its current 750-seat capacity to a proposed capacity of 3,400 seats, the analysis of the project's impacts is based on the level of additional traffic that would be generated by the 2,650-seat increase in the stadium's capacity. The existing traffic counts were taken at a time when the football field was not in operation. The counts did not, therefore, include the traffic that would be generated by the stadium during a capacity-level football game.

Existing Traffic Volumes-Friday Evening Peak Hour



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To replicate the traffic conditions on the night of a football game at the existing stadium, the traffic that would be generated by the existing 750-seat stadium was added to the existing conditions and the 2013 conditions with ambient growth to quantify the "without project" traffic conditions. The volumes of traffic at each intersection that would be generated by the existing 750-seat stadium are shown on Figure 12, *Traffic Generated by Existing 750-Seat Stadium*. The trip generation and trip distribution assumptions that were used to develop these traffic volumes are presented in the next section.

The existing baseline traffic volumes, which represent the existing traffic volumes plus the traffic that would be generated by the existing 750-seat stadium, are shown on Figure 13, *Existing Traffic Volumes Plus 750-Seat Stadium*. The year 2013 baseline traffic volumes, which represent the existing traffic volumes expanded by an ambient growth factor of 6 percent, plus the traffic that would be generated by the existing 750-seat stadium, are shown on Figure 14, *2013 Traffic Volumes with 750-Seat Stadium*.

Based on the projected peak hour traffic volumes, the turning movement counts, and the existing lane configuration, the existing and future baseline levels of service without the project were calculated for each study area intersection, as summarized in Table 14. The existing baseline conditions represent the existing conditions plus the traffic that would be generated by the existing 750-seat stadium. The year 2013 conditions represent existing conditions expanded by the ambient growth factor of 6 percent plus the traffic that would be generated by the existing 750-seat stadium. For the target year of 2013, all of the intersections are projected to operate at acceptable levels of service, since two of the intersections would operate at LOS A, five at LOS B, and three at LOS C during the Friday evening peak hour. The levels of service shown in Table 14 represent the traffic conditions that would occur during a capacity-level event at the existing 750-seat stadium for the two scenarios.

Table 14
Baseline Intersection Levels of Service with Existing 750-Seat Stadium

Intersection	*Average Delay Value (seconds/vehicle) and Level of Service*	
	Existing plus 750-Seat Stadium	*Year 2013 with 750-Seat Stadium*
Signalized Intersections		
Chicago Avenue / Third Street	23.6 – C	24.8 – C
Chicago Avenue / Linden Street	16.0 – B	19.5 – B
Chicago Avenue / University Avenue	17.5 – B	17.7 – B
Iowa Avenue / Blaine Street	22.9 – C	25.6 – C
Iowa Avenue / Linden Street	14.7 – B	14.8 – B
Iowa Avenue / University Avenue	19.7 – B	20.5 – C
Third Street / I-215 Southbound Ramps	18.2 – B	19.1 – B
Blaine Street / I-215 Northbound Ramps	11.8 – B	13.0 – B
Unsignalized Intersections		
Linden Street / School Entry Driveway	7.9 – A	7.9 – A
Linden Street / School Exit Driveway	9.3 – A	9.3 – A

Standards of Significance

According to the City of Riverside's "Traffic Impact Analysis Preparation Guide," a significant impact occurs at a study intersection when the addition of project-generated trips causes the peak hour LOS to degrade from an acceptable LOS (A thru D) to an unacceptable LOS (E or F). The guidelines also state that a significant impact occurs when the project causes the peak hour delay to increase as follows:

LOS A/B = By 10.0 seconds
LOS C = By 8.0 seconds
LOS D = By 5.0 seconds
LOS E = By 2.0 seconds
LOS F = By 1.0 seconds

Project-Generated Traffic

The volume of traffic that would be generated by the proposed stadium expansion was determined in order to estimate the impacts of the project on the study area streets and intersections. The trip generation rates and the anticipated volumes of traffic that would be generated by the stadium when operated at full capacity are shown in Table 15. The table shows the traffic volumes for the existing 750-seat stadium, the expanded 3,400-seat stadium, and the net increase that would occur as a result of the project. The trip rates reflect the assumption that the stadium would generate a demand of one vehicle for every four seats (for vehicles that remain parked at the site) and that an additional 10 percent of the vehicles arriving at the stadium would drop passengers off and leave. The rate of one vehicle for every four seats is based on the City of Riverside parking requirement of one parking space for each four seats for a stadium.

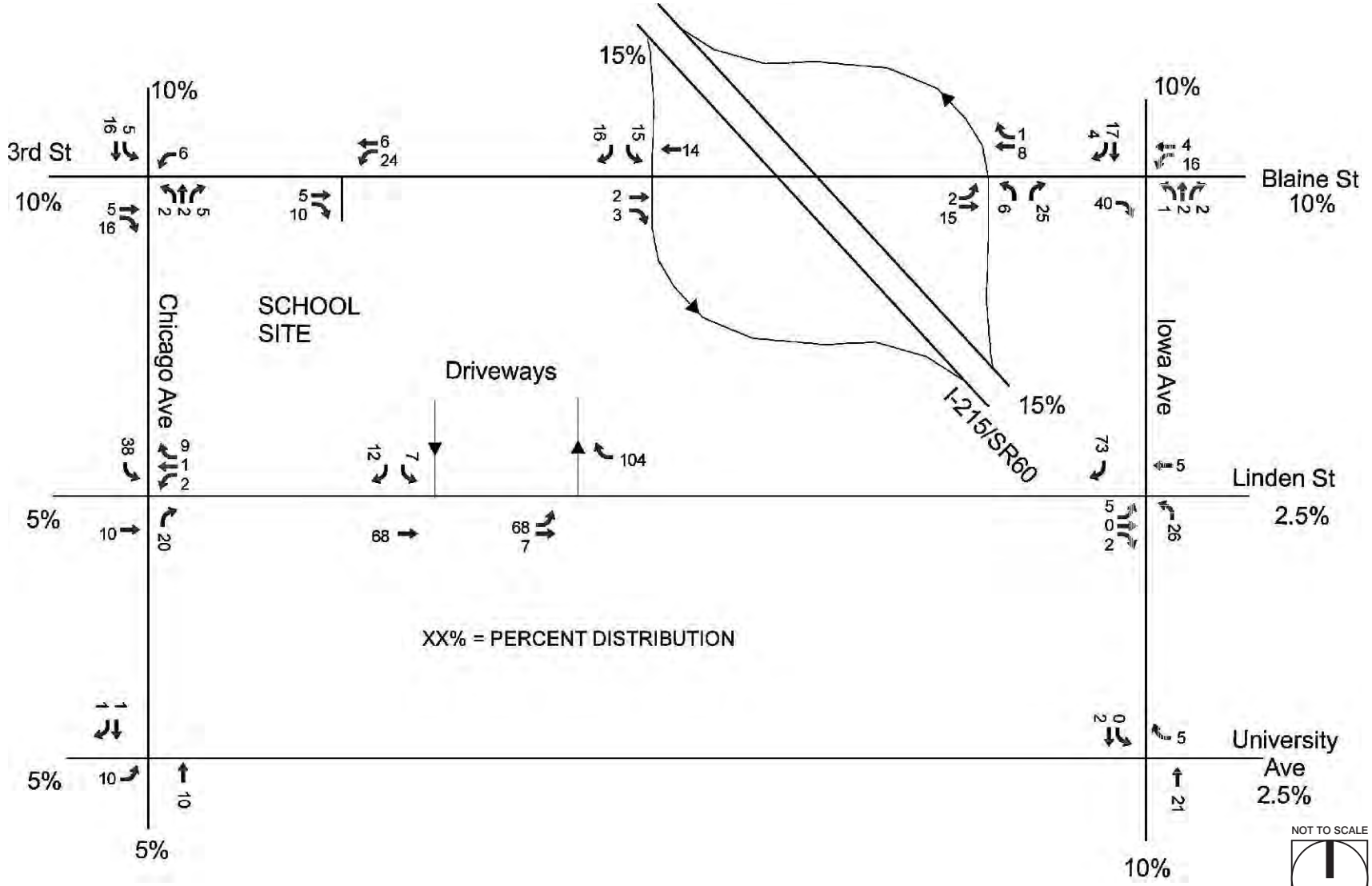
Table 15
Project-Generated Traffic: Stadium

Facility	Evening Hour – Preevent			Daily Traffic
	Inbound	Outbound	Total	
Trip Generation Rates				
Stadium (vehicle trips per seat)	0.275	0.025	0.30	0.60
Generated Traffic Volumes				
Existing Stadium (750 seats)	206	19	225	450
Proposed Stadium (3,400 seats)	935	85	1,020	2,040
Net Increase (2,650 seats)	729	66	795	1,590

Table 15 indicates that the proposed 3,400-seat stadium would generate an estimated 1,020 vehicle trips during the peak hour (935 inbound and 85 outbound). The net increase in traffic compared to the existing 750-seat stadium would be 795 trips per hour (729 inbound and 66 outbound). The peak hour for this analysis is the hour before the beginning of an event when patrons are traveling to the stadium. Approximately the same level of traffic would be generated at the end of an event when patrons are exiting (inbound and outbound traffic volumes reversed). The stadium may also generate traffic at other times of the day; however, such traffic activity would be minor compared to a capacity event. The estimated daily traffic volume generated by the stadium on the day of a capacity event would be 2,040 vehicles per day, a net increase of 1,590 vehicle trips per day.

To quantify the increase in traffic at each intersection from an event at the proposed stadium, the project-generated traffic volumes shown in Table 15 were geographically distributed onto the street network for the traffic impact analysis. The volumes of traffic generated by the existing 750-seat stadium are shown on Figure 12 and the volumes of traffic that would be generated by the expanded 3,400-seat stadium are shown on Figure 15, *Traffic Generated by 3,400-Seat Stadium*. The assumed directional distribution percentages for the are shown on the exhibits and are based on the layout of the existing street network, the existing travel patterns, and the anticipated geographical distribution of the event patrons.

Traffic Generated by Existing 750-Seat Stadium



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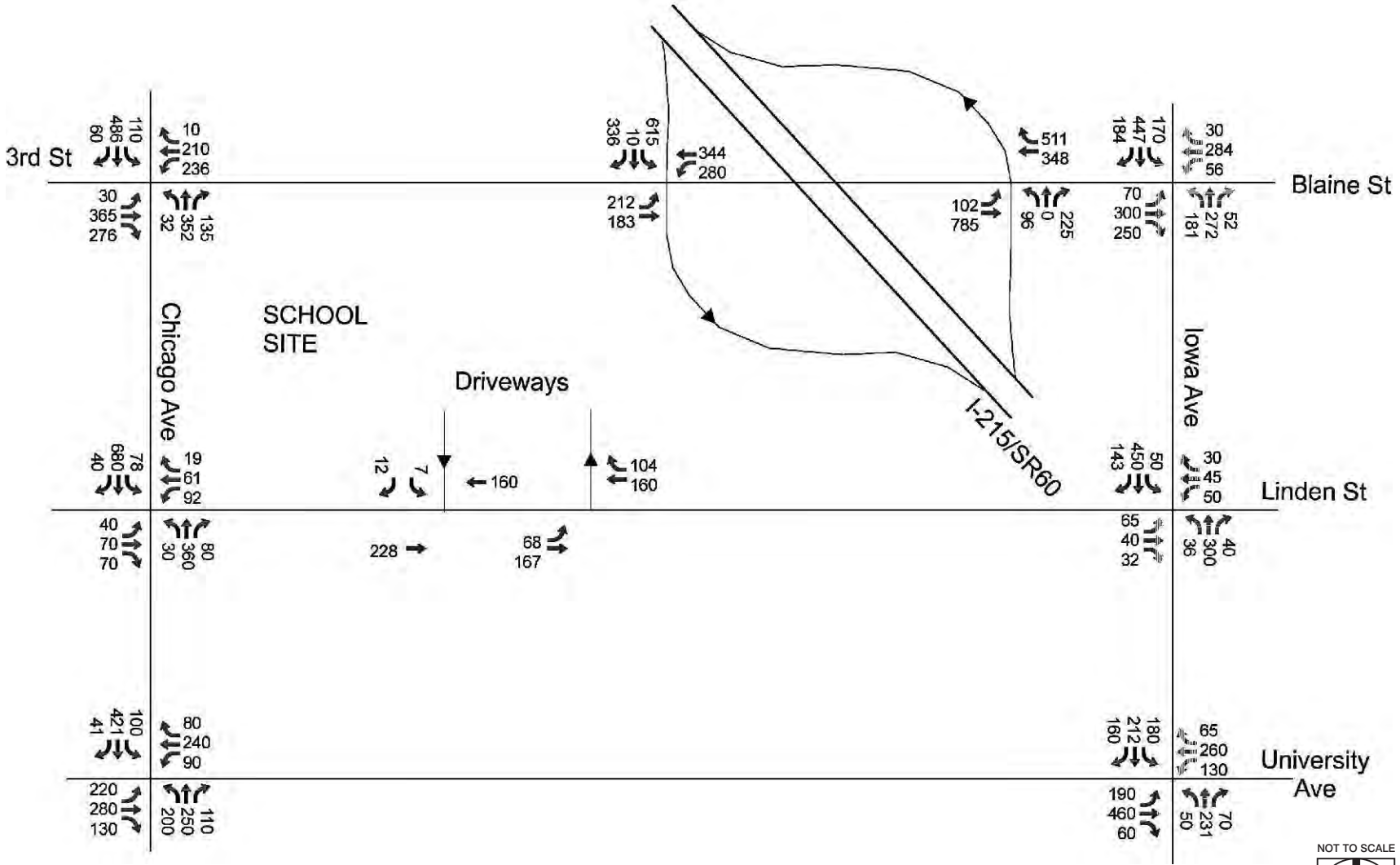
Existing Traffic Volumes Plus 750-Seat Stadium



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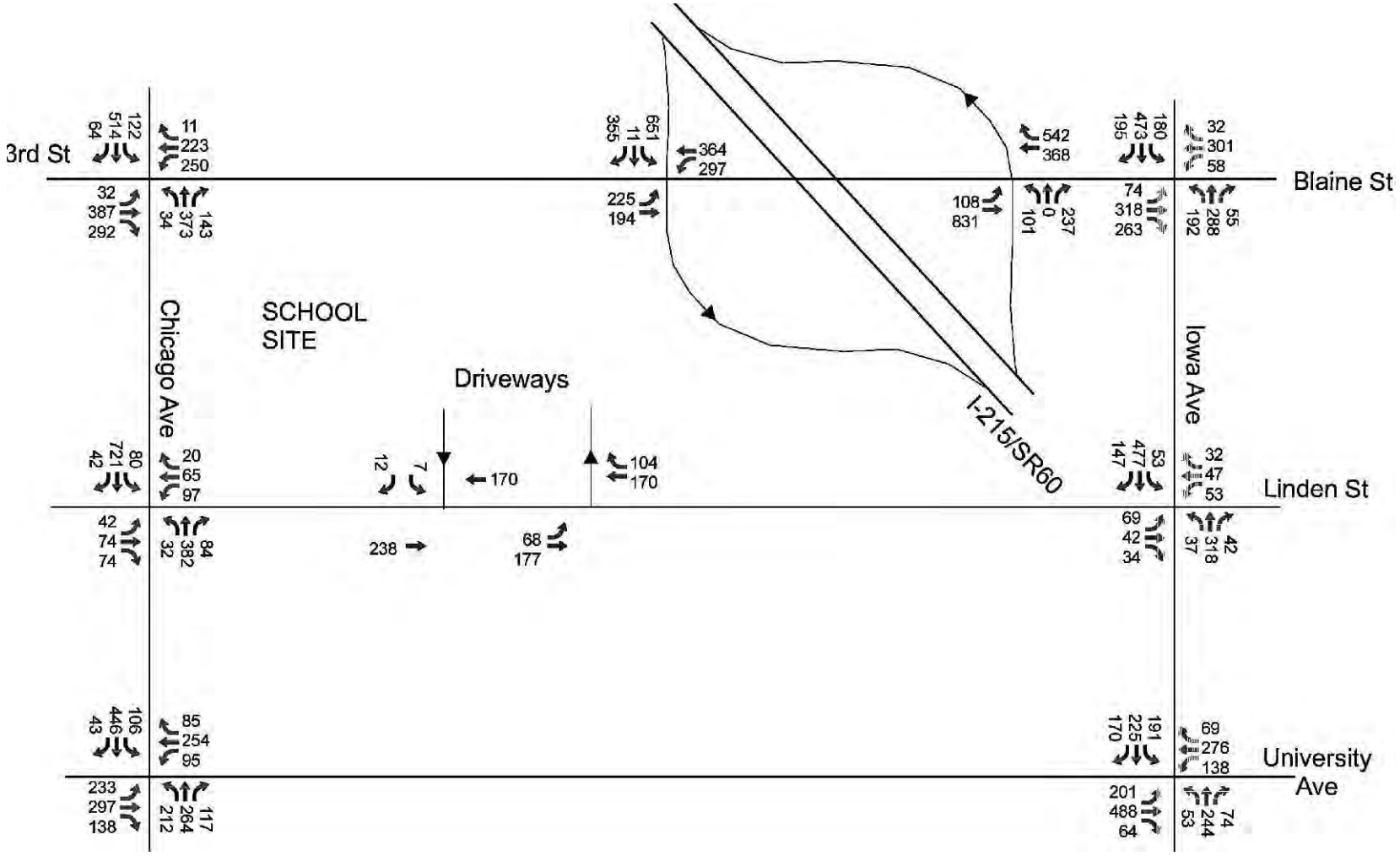
2013 Traffic Volumes with 750-Seat Stadium



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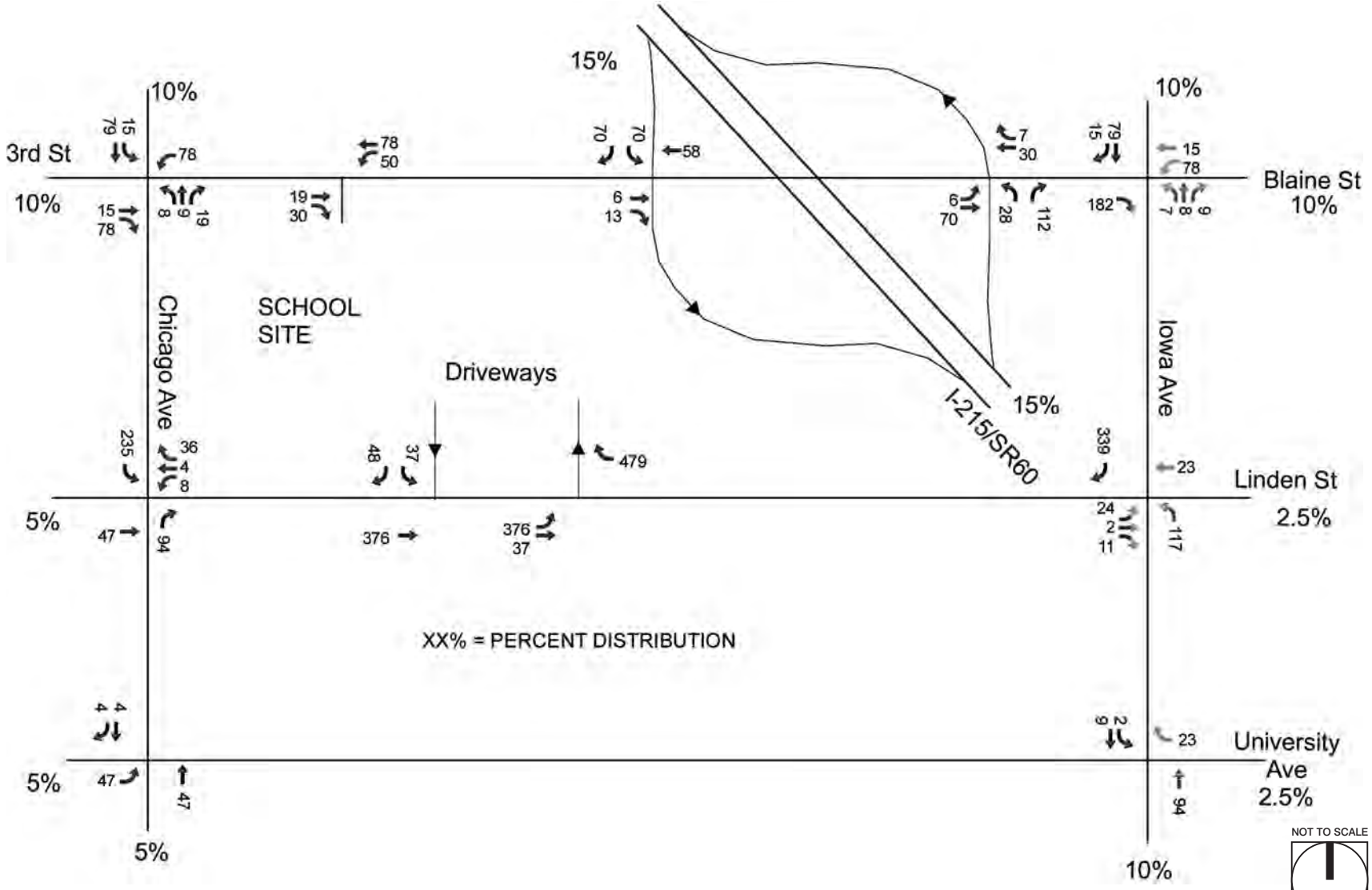
Traffic Generated by 3,400-Seat Stadium



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The volumes of traffic for the existing plus 3,400-seat stadium scenario are shown on Figure 16, *Existing Traffic Volumes Plus 3,400-Seat Stadium*, and the total volumes of traffic projected for the year 2013 scenario with the proposed 3,400-seat stadium are shown on Figure 17, *2013 Traffic Volumes Plus 3,400-Seat Stadium*. Existing and 2013 daily traffic volumes for the existing and proposed stadium are shown in Figure 18, *Daily Traffic Volumes*. These projected traffic volumes are for the Friday evening preevent peak hour.

Intersection Impact Analysis

The impact analysis for the 10 study area intersections was conducted by comparing the delay values and levels of service (LOS) for the "without project" and "with project" scenarios. For the existing conditions scenario, the analysis compares the existing baseline conditions (with the 750-seat stadium) to the conditions with the proposed 3,400-seat stadium. Similarly, for the year 2013 scenario, the analysis compares the year 2013 baseline conditions on a game night with the 750-seat stadium to the year 2013 scenario with the expanded 3,400-seat stadium. The year 2013 was used as the target year for future conditions as that is the anticipated year that the stadium expansion and other project components would be complete and operational. The peak hour for the analysis is the period when the stadium would generate the heaviest volumes of traffic (typically between 6:00 and 7:00 PM), which does not coincide with the peak period for the ambient traffic volumes.

The comparative levels of service at the study area intersections for the existing conditions scenario are summarized in Table 16 for the Friday evening peak hour. The table shows the before and after delay values and the levels of service that would occur at each study area intersection. Also shown are the increases in average vehicle delays that would occur as a result of the proposed stadium expansion project. The last column in Table 16 indicates if the intersections would be significantly impacted by the project-generated traffic.

Table 16
Project Impact on Intersection Levels of Service: Existing Conditions as Baseline
Friday Evening Preevent Peak Hour (6:00 to 7:00 PM)

Intersection	Delay (seconds/vehicle) & Level of Service			Increase in Delay (sec)	Significant Impact
	Existing Conditions	Existing plus 750-Seat Stadium	Existing plus 3,400-Seat Stadium		
Signalized Intersections					
Chicago Avenue / Third Street	23.0 – C	23.6 – C	30.9 – C	7.3	No
Chicago Avenue / Linden Street	15.5 – B	16.0 – B	22.3 – C	6.3	No
Chicago Avenue / University Avenue	17.4 – B	17.5 – B	17.7 – B	0.2	No
Iowa Avenue / Blaine Street	20.7 – C	22.9 – C	30.2 – C	7.3	No
Iowa Avenue / Linden Street	14.5 – B	14.7 – B	16.9 – B	2.2	No
Iowa Avenue / University Avenue	19.7 – B	19.7 – B	19.9 – B	0.2	No
Third Street / I-215 SB Ramps	18.0 – B	18.2 – B	19.2 – B	1.0	No
Blaine Street / I-215 NB Ramps	11.0 – B	11.8 – B	14.5 – B	2.7	No
Unsignalized Intersections					
Linden Street / School Entry Driveway	7.5 – A	7.9 – A	11.2 – B	3.3	No
Linden Street / School Exit Driveway	9.3 – A	9.3 – A	10.2 – B	0.9	No

The comparative levels of service for the year 2013 analysis scenario are shown in Table 17.

Table 17
Project Impact on Intersection Levels of Service: Year 2013 as Baseline
Friday Evening Preevent Peak Hour (6:00 to 7:00 PM)

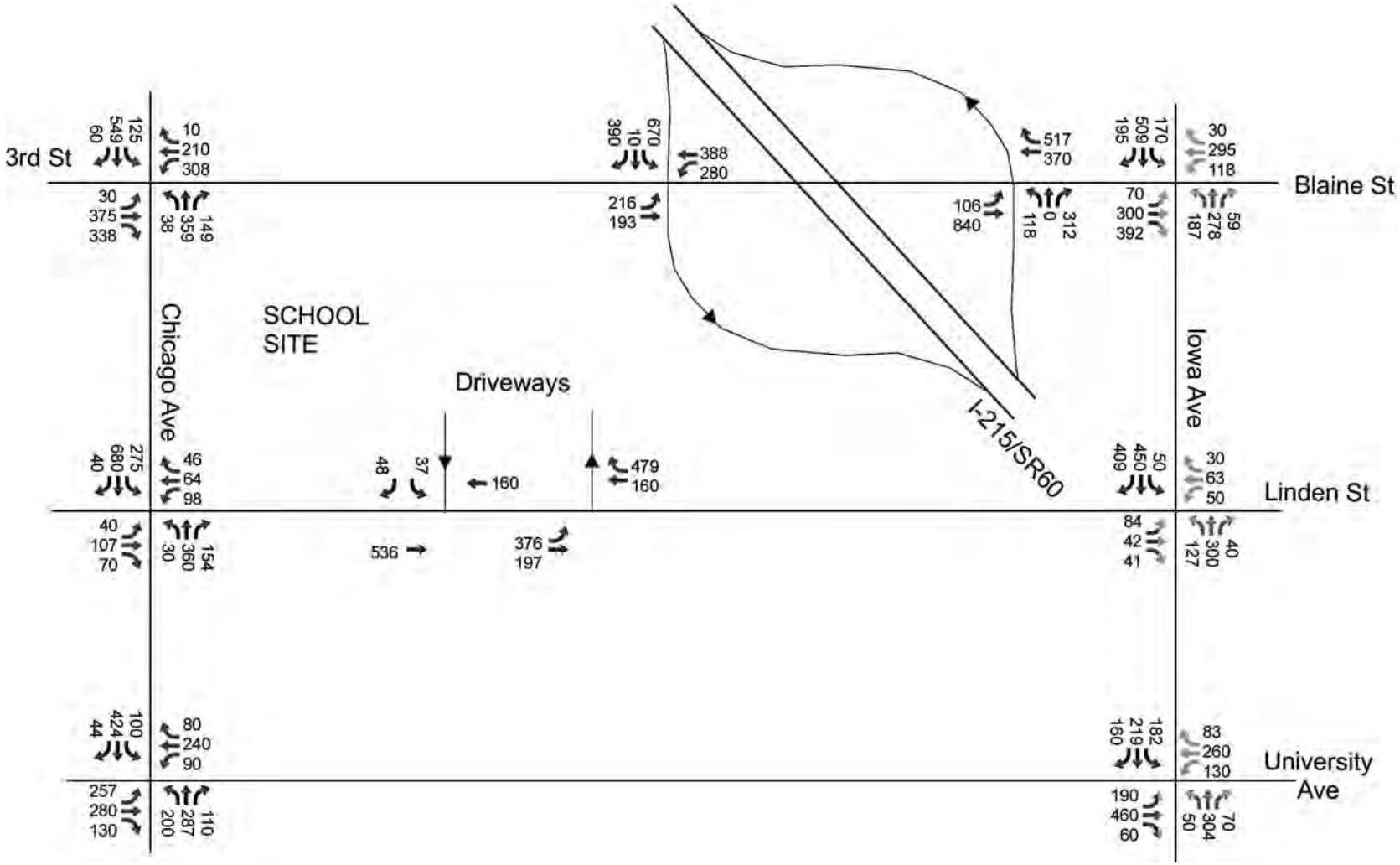
Intersection	Delay (seconds/vehicle) & Level of Service			Increase in Delay (sec)	Signif-icant Impact
	Existing Conditions	2013 without Project (750-Seat Stadium)	2013 with Project (3,400-Seat Stadium)		
Signalized Intersections					
Chicago Avenue / Third Street	23.0 – C	24.8 – C	32.3 – C	7.5	No
Chicago Avenue / Linden Street	15.5 – B	19.5 – B	23.4 – C	3.9	No
Chicago Avenue / University Avenue	17.4 – B	17.7 – B	17.9 – B	0.2	No
Iowa Avenue / Blaine Street	20.7 – C	25.6 – C	31.6 – C	6.0	No
Iowa Avenue / Linden Street	14.5 – B	14.8 – B	17.1 – B	2.3	No
Iowa Avenue / University Avenue	19.7 – B	20.5 – C	20.7 – C	0.2	No
Third Street / I-215 SB Ramps	18.0 – B	19.1 – B	20.8 – C	1.7	No
Blaine Street / I-215 NB Ramps	11.0 – B	13.0 – B	15.1 – B	2.1	No
Unsignalized Intersections					
Linden Street / School Entry Driveway	7.5 – A	7.9 – A	11.3 – B	3.4	No
Linden Street / School Exit Driveway	9.3 – A	9.3 – A	10.3 – B	1.0	No

The intersection of Chicago Avenue and Third Street, for example, would operate with an average delay value of 23.0 seconds and LOS C for existing conditions and with an average delay value of 24.8 seconds and LOS C for the 2013 scenario without the project (with the traffic that is generated by the existing 750-seat stadium). For the 2013 scenario with the proposed 3,400-seat stadium, this intersection would operate with an average delay value of 32.3 seconds and LOS C, which represents an increase in average delay of 7.5 seconds per vehicle. This impact would be less than significant according to the criteria outlined previously because the intersection would operate at an acceptable LOS C and the increase in the delay value is less than 8.0 seconds.

Tables 16 and 17 indicate that the proposed stadium would not have a significant impact at any of the study area intersections during the evening peak hour based on the significance criteria presented previously. All of the study area intersections would operate at acceptable levels of service (LOS A through D) for the scenario with the expanded stadium, and the project-related increases in delay at the intersections would be less than the significance thresholds. It should be noted that this conclusion is based on the assumption that an event would begin at 7:00 PM. If a capacity-level event, defined as one that would have a patronage level of 2,500 spectators or greater, were scheduled to begin between 4:00 PM and 6:00 PM on a Monday through Friday, the site-generated traffic would coincide with the peak commuter traffic and the event would likely result in a significant impact.

The traffic impacts associated with the stadium would not occur on a daily basis, but would occur only when a major event was held at the facility, which is typically a high school football game. Such events would occur on a Thursday or Friday evening or on a Saturday afternoon on approximately 6 to 10 occasions throughout the year. The analysis addressed the Friday evening scenario because the ambient traffic volumes would typically be higher on Friday than on Thursday evening or Saturday afternoon.

Existing Traffic Volumes Plus 3,400-Seat Stadium



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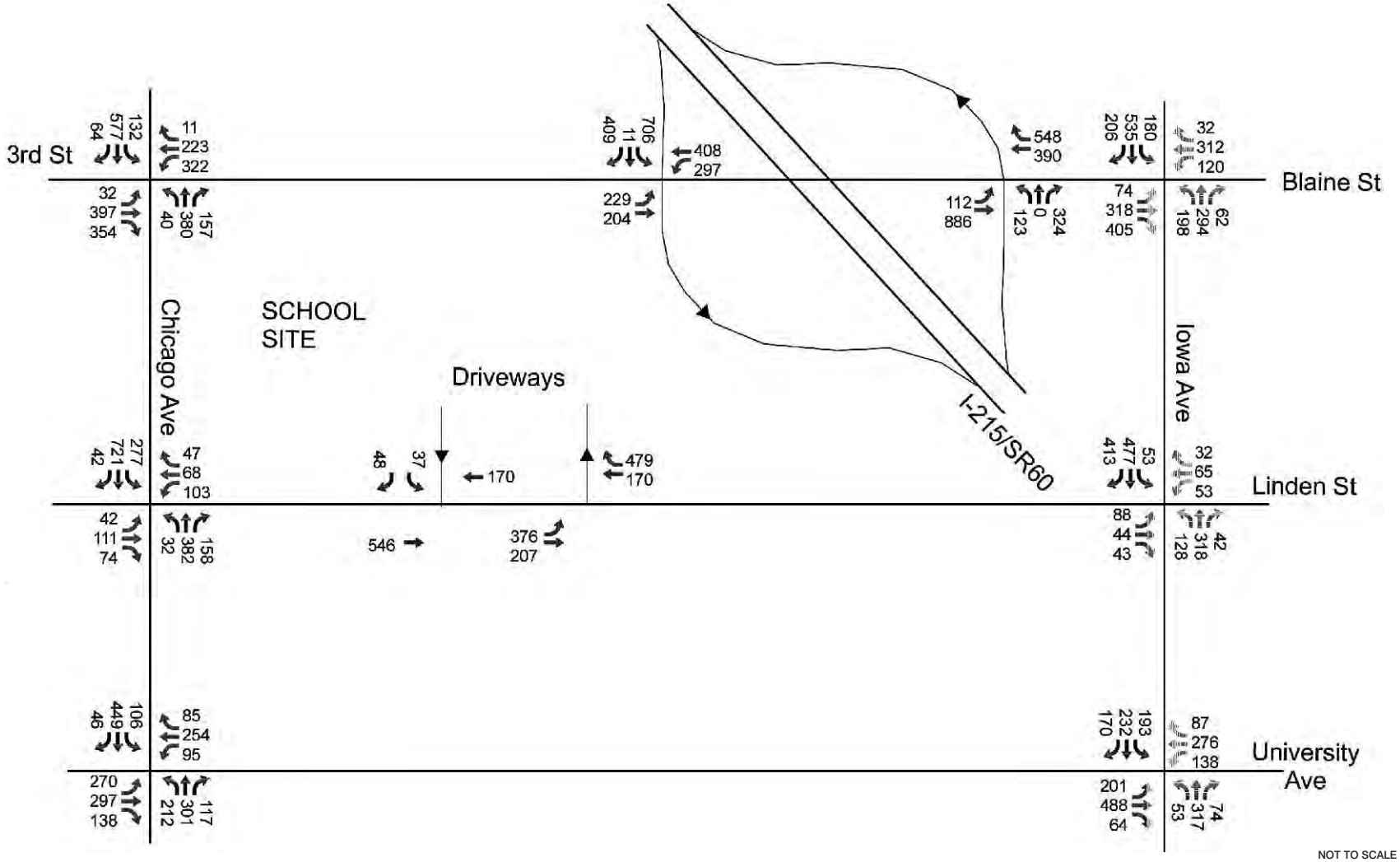
2013 Traffic Volumes with 3,400-Seat Stadium



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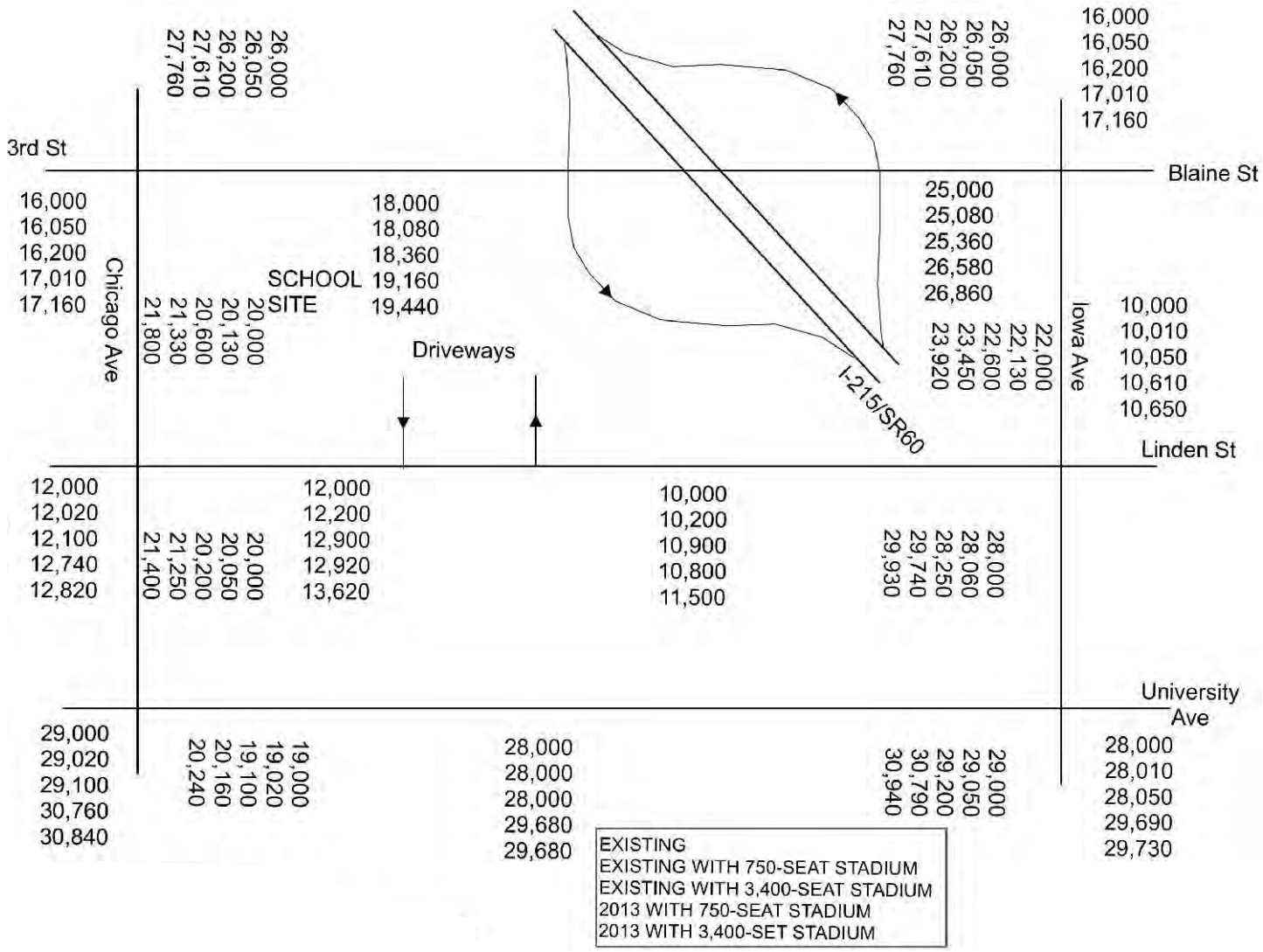
Daily Traffic Volumes



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In addition to the high school events that would be held at the stadium (primarily football games in the fall), the stadium would also be used for track and field events in the spring and possibly for Pop Warner football on Sundays. As the attendance at these activities would be substantially lower than the capacity-level events that were addressed in the analysis above, it is concluded that such activities would result in a less than significant traffic impact.

Nonmotorized Transportation and Transit

The proposed project would generate a demand for nonmotorized travel since some event patrons would travel to and from the school as pedestrians or on bicycles. The streets in the school vicinity have sidewalks along both sides of the street and the signalized intersections are equipped with painted crosswalks, pedestrian signals, and pedestrian push buttons to activate the signals. Many of the streets in the area also have designated bike lanes adjacent to the curb. With regard to public transit, the Riverside Transit Agency (RTA) operates bus lines along 3rd Street and Chicago Avenue adjacent to the school site and along Blaine Street, Iowa Avenue, and University Avenue near the school campus. The proposed athletic facilities at the school would not adversely affect the performance of these transit or nonmotorized transportation facilities and would not conflict with any plans or policies relative to these transportation modes.

Conclusions

The conclusion of the traffic impact analysis is that a capacity-level event, defined as one that would have a patronage level of 2,500 spectators or greater would not result in traffic levels that would exceed any level of service thresholds, as long as it began after 7:00 PM. To ensure that no significant impacts would occur, implementation of the below mitigation measure would be necessary. In addition, the project would not adversely affect the performance of any transit or nonmotorized transportation facilities. The project would not, therefore, conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system.

Mitigation Measure

8. To ensure that site-generated traffic does not coincide with peak commuter traffic, the District and/or school shall not schedule any capacity-level events (or those with more than 2,500 spectators) to begin at times between 4:30 PM and 6:00 PM on Monday through Friday.

b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Less Than Significant Impact. According to the "Riverside County Congestion Management Program" (RCTC 2007), the CMP arterial roadways nearest the project site are Magnolia Avenue, which is approximately two miles west of the school site, and Arlington Avenue, which is approximately three miles south of the school site. Because these roadways are outside the school's attendance boundary, they would be only minimally impacted by the project. The nearest freeways, which are also included in the CMP roadway network, are the Moreno Valley Freeway (Interstate 215/State Route 60) and the Riverside Freeway (State Route 60). The I-215/SR 60 freeway is approximately 500 feet northeast of the school site and has interchanges with 3rd Street and University Avenue. The SR 60 freeway is approximately one mile west of the school site and has an interchange with University Avenue.

The Congestion Management Program (CMP) indicates that a project may have a significant impact and that a traffic study would be required if the project would adversely affect the morning or afternoon peak periods

on a designated CMP arterial roadway or freeway. Since the proposed athletic facilities, and the expanded stadium in particular, would generate traffic primarily during times that are outside the commuter peak periods (i.e., 7:00 to 9:00 AM and 4:00 to 6:00 PM), they would not typically impact the traffic conditions that are the focus of the CMP. The stadium, for example, would generate its heaviest traffic volumes generally between 6:30 and 7:00 PM and between 9:00 and 9:30 PM on a Thursday or Friday and occasionally on a Saturday. The project's peak traffic flows would therefore not coincide with the commuter peak periods on the CMP roadway network, and the peak hour traffic conditions on the CMP roadway network would not be substantially affected by the proposed facilities.

The project would not conflict with an applicable congestion management program or level of service standard established by the congestion management agency. The impacts would be less than significant relative to CMP roads or highways, and no mitigation measures would be necessary.

c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The proposed project would make improvements at an existing high school campus. It would not increase air traffic levels. The nearest airport is Flabob Airport, approximately three miles west of the project site. Riverside Municipal Airport is approximately five miles southwest of the campus. The site is not within any airport compatibility zones designated in the Riverside County Airport Land Use Compatibility Plan. The proposed project would not construct any structures that could interfere with air travel. The project would not increase or alter air traffic. No impact would occur, and no mitigation is required.

d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. The proposed project would not result in changes in onsite circulation, and there would be no incompatible uses. Changes to circulation on Chicago Avenue or Linden Street are not anticipated. The increased levels of traffic, the increased number of pedestrians and bicycles, and the increased number of vehicular turning movements at the school entrances and at the nearby intersections would result in an increased number of traffic conflicts and a corresponding increase in the probability of an accident occurring. These impacts would not be significant, however, because the streets, intersections, and driveways are already designed to accommodate the anticipated levels of vehicular and pedestrian activity and have historically been accommodating stadium-related and other school-related traffic on a regular basis. The expansion of the stadium and the development of the other athletic facilities would be compatible with the design and operation of a high school, and the proposed project would not result in any major modifications to the existing access and circulation features at the school. No significant hazards related to design features or incompatible uses would occur. No significant impacts would occur, and no mitigation is required.

e) Result in inadequate emergency access?

Less Than Significant Impact. The existing access and circulation features at the school would continue to accommodate emergency ingress and egress by fire trucks, police units, and ambulance/paramedic vehicles. Any modifications to the access features would be required to satisfy the District and the City of Riverside design requirements and would be subject to approval by the fire department. The project would not, therefore, result in inadequate emergency access. Impacts would not be significant, and no mitigation is required.

f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Less Than Significant Impact. The project would make improvements at the existing campus. The improvements would be consistent with policies supporting alternative transportation. Bike racks at the campus would remain. Additionally, implementation of the proposed project would not eliminate any existing bus turnouts and would not result in a significant impact to public transportation. No significant impacts would occur, and no mitigation is required.

g) Result in inadequate parking capacity?

Less Than Significant Impact with Mitigation Incorporated. John W. North High School currently has a total of 442 onsite parking spaces. Since the proposed outdoor basketball courts in the center of the campus would displace 30 existing parking spaces, the parking supply after completion of the project would be 412 spaces. This parking capacity is sufficient for accommodating the typical daytime parking demands at the school, but it would not be adequate for a capacity-level event at the expanded stadium.

The City of Riverside Municipal Code indicates that the parking requirement for "assemblies of people" (which includes a stadium) is one space per four fixed seats. Based on this requirement, the proposed 3,400-seat stadium would require 850 parking spaces. The school would have a shortage of 438 parking spaces during a capacity-level event at the stadium. The excess vehicles would be parked on the streets near the school campus.

To determine if the spillover of parking would result in a significant impact, a parking survey was conducted to determine if the public streets adjacent to and near the school campus could accommodate the anticipated parking demands of a 3,400-seat stadium without creating any substantial impacts to residential or commercial uses in the vicinity of the school. The approach for the parking survey was to count the number of vehicles that were parked on the streets within a quarter mile of the school campus during the time when a football game would typically be held at the school; i.e., Friday evening between 7:00 and 9:00 PM. This radius is based on the assumption that event patrons would be willing to walk a distance of up to one-quarter mile to attend an event at the stadium. The number of vehicles that were parked on each block was compared to the number of on-street parking spaces that were available. It was noted in the survey whether the streets were located adjacent to residential, industrial, or commercial uses. This information was needed for the analysis because it is assumed that it would be nondisruptive for event patrons to park on industrial streets during the evening hours when the industrial businesses are not operating. Conversely, it is assumed that it would not be acceptable for event patrons to park on streets that are adjacent to residential or commercial uses. The survey was conducted on Friday, December 3, 2010, which is during football season.

The results of the parking survey are shown in Table 18. The survey zones that are listed in the first column of Table 18 are defined in Table 19.

Table 18
Results of Parking Utilization Survey – Friday Evening

Survey Zone	Adjacent Land Use	# of Parked Vehicles	# of Spaces Available	# of Empty Spaces
Streets Adjacent to School	Industrial	0	55	55
North of School	Industrial	0	15	15
	Residential	21	78	57
Northwest of School	Industrial	0	84	84
West of School	Industrial	0	98	98
	Residential	79	183	104
Southwest of School	Residential	90	230	140
South of School	Industrial	3	105	102
	Residential	14	22	8
	Commercial	2	10	8
East of School	Industrial	5	64	59
All Zones	Industrial	8	421	413
	Residential	204	513	309
	Commercial	2	10	8
	Total	214	944	730

Table 19
Parking Survey Zones

Survey Zone	Geographical Area Definition
Streets Adjacent to School	East side of Chicago Ave between 3rd St & Linden St and North side of Linden St between Chicago Ave & Cranford Ave
North of School	North of 3rd St, east of Chicago Ave, and south of Massachusetts Ave
Northwest of School	North of 3rd St, west of Chicago Ave, and south of Massachusetts Ave
West of School	West of Chicago Ave, south of 3rd St, and north of Linden St
Southwest of School	South of Linden St, west of Chicago Ave, and north of 7th St
South of School	South of Linden St, east of Chicago Ave, and north of University Ave
East of School	North of Linden St and southwest of I-215/SR-60

The last row of Table 18 indicates that the study area, as a whole, has an inventory of 944 on-street parking spaces and that 214 vehicles were parked in these spaces on a Friday evening during the time when a capacity-level event would most likely occur at the proposed stadium. The table also indicates that there were 730 empty spaces during the time of the survey. It should be noted, however, that 513 of the parking spaces are in residential areas and 10 spaces are in a commercial area. These areas would be adversely impacted if event patrons parked on the streets and occupied spaces that would otherwise be available to residents and visitors of the residential uses and to customers and employees of the commercial uses. It has been assumed, therefore, that the parking spaces that would be available for the stadium are limited to the industrial areas.

The streets in the industrial areas have an inventory of 421 parking spaces and only 8 vehicles were parked on these streets on a Friday evening. There were 413 empty parking spaces during the time of the survey that would be available for use by the stadium patrons. Based on the City of Riverside's parking requirement of one parking space for each four seats, these 413 available parking spaces could accommodate up to 1,652 seats in the stadium.

Assuming that the 413 on-street industrial parking spaces could be used by patrons of the stadium without creating an adverse parking impact, the sum of the onsite parking spaces (412 spaces) and the on-street industrial parking spaces (413 spaces) results in a total of 825 available parking spaces, which could accommodate 3,300 seats in the stadium. Because the proposed stadium would have 3,400 seats, the parking capacity would be inadequate unless additional parking spaces were provided. This could be accomplished by using the outdoor basketball courts (which would displace 30 existing parking spaces) as an overflow parking area during high-attendance events, resulting in a total parking capacity of 855 spaces, which exceeds the parking requirement of 850 spaces for the proposed 3,400-seat stadium.

Hazardous materials from vehicles parked on the basketball courts could result in indirect health and safety impacts if they are not removed from the blacktop. Implementation of the below mitigation measure would reduce this indirect impact associated with exposure to hazardous materials to a level below significance.

Even though the onsite parking spaces and the nearby on-street parking spaces in the industrial areas would provide sufficient parking capacity to accommodate a 3,400-seat stadium, some patrons might elect to park on residential streets that are near the school campus and thereby create a nuisance for the residents of these streets. To minimize such impacts, it is recommended that the school and/or the District provide information to students and parents prior to each football season, prior to a rival game, and prior to any other major event (such as graduation) to discourage them from parking in the residential areas and to direct them to use the industrial streets when the onsite parking lots are full. Implementation of the below mitigation measures would reduce potential parking impacts to acceptable levels.

Mitigation Measures:

9. Use the paved basketball courts as an overflow parking area during high-attendance events. Immediately after the event, the morning after the event, and/or before the basketball courts are used for recreational purposes, the District, Administrators at John W. North High School and/or their delegates shall hose down and cleanse areas of the basketball court, as needed, where vehicles parked.

10. Provide information to students and parents prior to each football season, prior to a rival football game, and prior to any other major event at the stadium (such as graduation) to discourage them from parking in the residential areas and to direct them to park on the industrial streets during times when the onsite parking lots are full.

3.17 UTILITIES AND SERVICE SYSTEMS

a) Exceed waste water treatment requirements of the applicable Regional Water Quality Control Board?

Less Than Significant Impact. The project site is in the jurisdiction of the Santa Ana Regional Water Quality Control Board (RWQCB), which established requirements for treatment of wastewater discharged through its MS4 Permit. As described in Section 3.9, *Hydrology and Water Quality*, the project would include a SWPPP specifying BMPs for minimizing water pollution during the project's construction phase. The project would comply with wastewater treatment requirements of the Santa Ana RWQCB. Related impacts resulting from the proposed project would be less than significant, and no mitigation is required.

b) Require or result in the construction of new water or waste water treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. Riverside Public Utilities (RPU) provides water to the City of Riverside and would provide water to the project. In 2005 RPU's water supplies consisted of roughly 72,033 acre-feet (af) of groundwater from the Bunker Hill and Riverside Groundwater Basins; 2,300 af of imported water imported from Northern California and obtained through the Western Municipal Water District (WMWD); and 200 af of recycled water. Thus, groundwater comprised roughly 97 percent of RPU's water supplies that year. RPU forecasts in their 2005 Urban Water Management Plan that in normal-year water conditions in 2030, its total water supplies will be about 116,421 acre-feet per year (afy) and total demands 104,374 afy, for a surplus of supplies over demands of roughly 12,047 afy. Imported water obtained through WMWD is treated at the Metropolitan Water District of Southern California's Henry Mills Treatment Plant in the City of Riverside, which has a capacity of 326 million gallons per day or about 365,000 afy (MWDSC 2007).

Wastewater treatment service is provided to the project area by the City of Riverside Department of Public Works. The Riverside Regional Water Quality Treatment Plant has a design capacity of 40 million gallons per day (mgd), and the current average daily flow is approximately 33 mgd. The City projects that wastewater generation within the area served by the treatment plant will increase to approximately 53.9 mgd by 2030. The ultimate master planned capacity of the treatment plant is 60 mgd, as stated in the 2005 RPU Department Urban Water Management Plan.

The proposed project would not create any new landscaped areas that would require watering. The existing natural turf at the football field would be replaced with synthetic turf, reducing the amount of watering required. The proposed project would create new small structures, including restrooms. These structures would consume relatively small amounts of water and would generate relatively small amounts of wastewater, and the increase in water consumption and wastewater generation would be negligible.

The proposed new aquatics facility would consume a relatively small amount of water. The proposed pool would include a modern circulation system that would filter and process water in the pool, reducing the water needed to operate the pool. The increase in water consumption and wastewater generation would not be significant.

The project would not increase enrollment at John W. North High School, increase population in the area, or make any programmatic changes. Increases in water consumption and wastewater generation would not be substantial. The existing water and wastewater infrastructure would continue to adequately serve the John W. North High School campus, and no infrastructure improvements would be required to accommodate the proposed project. No significant impacts would occur, and no mitigation is required.

c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?

Less Than Significant Impact. The proposed project would not substantially change the drainage of the project area. The existing track and football field constitutes the majority of permeable surfaces at the site, as the remainder of the site contains a pool and hardscape athletic courts. The proposed project would replace the existing natural turf football field with synthetic turf, which would slightly increase stormwater runoff from the site. However, as the football field is relatively small, this increase would not be substantial. As the project site is in a developed area, runoff resulting from the proposed project would be captured by the existing storm drain system. Furthermore, runoff from the site after project implementation, including from the synthetic turf field, would be regulated by the MS4 permit for the project issued by the Santa Ana Regional Water Quality Control Board, and the WQMP would describe BMPs to be used in project design, operations,

and maintenance to minimize stormwater pollution. Due to the small size of changes to site drainage and to compliance with existing regulations, no offsite improvements to stormwater drainage facilities would be required. No significant impacts related to stormwater would occur, and no mitigation is required.

d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

Less Than Significant Impact. As described above in Section 3.16.b, changes in water consumption resulting from the proposed project would be relatively small, and existing water entitlements and resources would be sufficient to serve the project site after implementation of the proposed project. No significant impacts related to water supply would occur as a result of the proposed project, and no mitigation is required.

e) Result in a determination by the waste water treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less Than Significant Impact. As described above in Section 3.16.b, increases in wastewater generation resulting from the proposed project would be relatively small, and existing wastewater treatment facilities would be sufficient to serve the project site after implementation of the proposed project. No significant impacts related to wastewater treatment facilities would occur as a result of the proposed project, and no mitigation is required.

f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?

Less Than Significant Impact. Solid waste generated at the project site would most likely be disposed of at either the Badlands Landfill at 31125 Ironwood Avenue near the City of Moreno Valley or the El Sobrante Landfill at 10910 Dawson Canyon Road near the City of Corona. The Badlands Landfill has a permitted throughput of 4,000 tons per day, with a remaining capacity of 14,730,025 cubic yards, and an estimated closing date of 2024, as listed on the California Integrated Waste Management Board database of Facility/Site Summary Details. El Sobrante Landfill has a permitted throughput of 16,054 tons per day, with a remaining capacity of 145,530,000 tons, and an estimated closing date of 2045, as listed on the same database. The proposed project would not substantially increase solid waste generated at the site after implementation. The use of the proposed improved athletic facilities would not generate substantial solid waste.

The majority of solid waste associated with the proposed project would be demolition and construction waste. Because the project site is relatively small, demolition and construction waste would not result in a significant impact to landfills in the region. Furthermore, generation of demolition and construction waste would be one-time in nature. The proposed project would not make programmatic changes or drastically change the use of the site; therefore, waste generated by operation of the proposed athletic facilities would be similar to waste currently generated by use of the existing athletic facilities. No significant impacts to landfills or solid waste infrastructure would occur as a result of the proposed project, and no mitigation is required.

g) Comply with federal, state, and local statutes and regulations related to solid waste?

Less Than Significant Impact. During construction and operation of the proposed project, the District would comply with all city, county, and state solid waste diversion, reduction, and recycling mandates, including compliance with the Countywide Integrated Waste Management Plan. The District would cooperate, to the extent feasible, with the city's effort to achieve the goals of Assembly Bill 939 (AB 939), the Integrated Waste Management Act of 1989, which requires source reduction, reuse, recycling, and composting programs to reduce tonnage of solid waste going to landfills by 50 percent. The District would make every reasonable effort to reuse and/or recycle the construction debris that would otherwise be taken to a landfill and would also dispose of hazardous wastes, including paint used during construction, only at facilities permitted to receive them and in accordance with local, state, and federal regulations. The proposed project would comply with all applicable federal, state, and local statues and regulations related to solid waste disposal, and impacts would be less than significant. No mitigation is required.

3.18 MANDATORY FINDINGS OF SIGNIFICANCE

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less Than Significant Impact. Development of the proposed project would comply with all local, state, and federal laws governing general welfare and environmental protection. Project development would not substantially degrade the quality of the environment, since the proposed project would not disturb unaltered landscape. The project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal. Additionally, District best management practices and compliance with applicable state and local laws would ensure that project implementation will not result in the loss of undiscovered subsurface cultural resources or human remains that may be important to California history and prehistory.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less Than Significant Impact With Mitigation Incorporated. Project development would not have the potential to have impacts that are individually limited but cumulatively considerable. Where the proposed project would have no impact, it would not contribute to cumulative impacts. In addition, issues specific to site conditions, such as site geology and soils, do not have cumulative effects. The proposed project is not growth inducing and would therefore not contribute to the cumulative effects of population growth. The potential cumulative impacts due to but not limited to nighttime lights at the fields, construction and operational air quality, noise, water quality, and traffic would be reduced to less than significant levels by adhering to local, regional, state, and federal regulations and implementation of mitigation measures required by this document. No residual cumulatively considerable impacts would result from the proposed project.

c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

Less Than Significant Impact With Mitigation Incorporated. The proposed project would be integrated into the urban character of the John W. North High School campus and the City of Riverside. The project would comply with all local, state, and federal laws governing general welfare and environmental protection. Project development would not substantially degrade the quality of the existing environment or cause substantial adverse effects on human beings. The implementation of required mitigation measures specified in this Initial Study would reduce impacts to levels below established standards, and project impacts on human beings would not be significant.

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Appendix A.
Air Quality and Greenhouse Gas Background and Modeling Data

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Appendix A. Air Quality and Greenhouse Gas Background and Modeling Data

AIR QUALITY

The Air Quality section addresses the impacts of the proposed project on ambient air quality and the exposure of people, especially sensitive individuals, to unhealthful pollutant concentrations. Air pollutants of concern include ozone (O_3), carbon monoxide (CO), particulate matter (PM_{10} and $PM_{2.5}$), and oxides of nitrogen (NO_x). This section analyzes the type and quantity of emissions that would be generated by the construction and operation of the proposed project.

CLIMATE/METEOROLOGY

The project site is in the South Coast Air Basin (SoCAB), which includes all of Orange County and the nondesert portions of Los Angeles, Riverside, and San Bernardino Counties. The air basin is in a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean in the southwest quadrant, with high mountains forming the remainder of the perimeter. The general region lies in the semipermanent high-pressure zone of the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds.

The annual average temperature varies little throughout the SoCAB, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station nearest to the site is the Riverside Fire Station 3 Monitoring Station (ID No. 047470). The average low is reported at 39.0°F in January and the average high is 94.4°F in August (WRCC 2011).

In contrast to the very steady temperature pattern, rainfall is seasonally and annually highly variable. Almost all rain falls from November through April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast with slightly heavier shower activity in the east and over the mountains. Rainfall in the project area averages approximately 10.24 inches per year, as measured in the project vicinity (WRCC 2011).

Although the SoCAB has a semi-arid climate, the air near the surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SoCAB by off-shore winds, the ocean effect is dominant. Periods of heavy fog, especially along the coastline, are frequent; and low stratus clouds, often referred to as high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the SoCAB.

Wind patterns across the south coastal region are characterized by westerly and southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Wind speed is somewhat greater during the dry summer months than during the rainy winter season. Annually, typical winds in the project area average about 5 to 8 miles per hour during the day and 2 to 5 miles per hour during the night.

Between periods of wind, periods of air stagnation may occur, both in the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall months, surface high-pressure systems over the SoCAB, combined with other

meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the transport and diffusion of pollutants by inhibiting the eastward transport of pollutants. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions.

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, there are two similarly distinct types of temperature inversions that control the vertical depth through which pollutants are mixed. These inversions are the marine/subsidence inversion and the radiation inversion. The height of the base of the inversion at any given time is known as the "mixing height." The combination of winds and inversions are critical determinants in leading to the highly degraded air quality in summer and the generally good air quality in the winter in the project area.

AIR QUALITY REGULATIONS, PLANS AND POLICIES

The proposed project has the potential to release gaseous emissions of criteria pollutants and dust into the ambient air; therefore, it falls under the ambient air quality standards promulgated at the local, state, and federal levels. The project site is in the SoCAB and is subject to the rules and regulations imposed by the South Coast Air Quality Management District (SCAQMD). However, the SCAQMD reports to California Air Resources board (CARB), and all criteria emissions are also governed by the California and national Ambient Air Quality Standards (AAQS). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

Ambient Air Quality Standards

The Federal Clean Air Act (FCAA) was passed in 1963 by the US Congress and has been amended several times. The 1970 Clean Air Act Amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting AAQS and the Prevention of Significant Deterioration program. The 1990 Amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The FCAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state to achieve and maintain the State AAQS by the earliest practical date. The State AAQS tend to be more restrictive than the Federal AAQS and are based on even greater health and welfare concerns.

The AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect sensitive receptors, those most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both the State of California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 1, these pollutants include O_3, NO_2, CO, sulfur dioxide (SO_2), PM_{10}, $PM_{2.5}$, and lead (Pb). In addition, the state has set standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

Table 1
Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard	Federal Primary Standard	Major Pollutant Sources
Ozone (O_3)	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.075 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Average	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	1 hour	0.25 ppm	0.075 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	24 hours	0.04 ppm	*	
Suspended Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 $\mu g/m^3$	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 $\mu g/m^3$	150 $\mu g/m^3$	
Suspended Particulate Matter ($PM_{2.5}$)	Annual Arithmetic Mean	12 $\mu g/m^3$	15 $\mu g/m^3$	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 $\mu g/m^3$	
Lead (Pb)	Monthly	1.5 $\mu g/m^3$	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Quarterly	*	1.5 $\mu g/m^3$	
	3-Month Average	*	0.15 $\mu g/m^3$	
Sulfates (SO_4)	24 hours	25 $\mu g/m^3$	*	Industrial processes.

Source: CARB 2010
ppm: parts per million; $\mu g/m^3$: micrograms per cubic meter
* Standard has not been established for this pollutant/duration by this entity.

Air Quality Management Planning

The SCAQMD and the Southern California Association of Governments (SCAG) are the agencies responsible for preparing the Air Quality Management Plan (AQMP) for the SoCAB. Since 1979, a number of AQMPs have been prepared.

The most recent adopted comprehensive plan is the 2007 AQMP, which was adopted on June 1, 2007, and incorporates significant new scientific data, primarily in the form of updated emissions inventories, ambient measurements, new meteorological episodes, and new air quality modeling tools. The 2007 AQMP proposes attainment demonstration of the federal $PM_{2.5}$ standards through a more focused control of SO_X, directly emitted $PM_{2.5}$, and focused control of NO_X and VOC by 2015. The eight-hour ozone control strategy builds upon the $PM_{2.5}$ strategy, augmented with additional NO_X and VOC

reductions to meet the standard by 2024, assuming a bump-up (i.e., extended attainment date) is obtained.

The AQMP provides local guidance for the State Implementation Plan, which provides the framework for air quality basins to achieve attainment of the state and federal ambient air quality standards. Areas that meet ambient air quality standards are classified as attainment areas, while areas that do not meet these standards are classified as nonattainment areas. Severity classifications for ozone nonattainment range in magnitude: marginal, moderate, serious, severe, and extreme. The attainment status for the SoCAB is included in Table 2.

The SoCAB is also designated as attainment of the CAAQS for SO_2, lead, and sulfates. According to the 2007 AQMP, the SoCAB will have to meet the new federal $PM_{2.5}$ standards by 2015 and the 8-hour ozone standard by 2024, and will most likely have to achieve the recently revised 24-hour $PM_{2.5}$ standard by 2020. The SCAQMD designated the SoCAB as nonattainment for NO_2 (entire basin) and lead (Los Angeles County only) under the CAAQS and lead (CARB 2010b).

Table 2
Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	*State*	*Federal*
Ozone – 1-hour	Extreme Nonattainment	Extreme Nonattainment[1]
Ozone – 8-hour	Extreme Nonattainment	Severe-17 Nonattainment[2]
PM_{10}	Serious Nonattainment	Serious Nonattainment[3]
$PM_{2.5}$	Nonattainment	Nonattainment
CO	Attainment	Attainment[4]
NO_2	Nonattainment[5]	Attainment/Maintenance
SO_2	Attainment	Attainment
Lead	Nonattainment[6]	Nonattainment[6]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: CARB 2010b.
[1] Under prior standard.
[2] May petition for Extreme.
[3] Annual Standard Revoked September 2006. SCAQMD submitted a request to redesignate the SoCAB from serious nonattainment for PM_{10} to attainment for PM_{10} in October 2009 because the SoCAB has not violated federal 24-hour PM_{10} standards during the period from 2004 to 2007.
[4] The USEPA granted the request to redesignate the SoCAB from nonattainment to attainment for the CO NAAQS on May 11, 2007 (Federal Register Volume 71, No. 91), which became effective as of June 11, 2007.
[5] The state NO_2 standard was strengthened in 2007 from 0.25 ppm to 0.18 ppm. Under the revised standards, the entire SoCAB was designated as nonattainment on March 25, 2010. In addition, the USEPA adopted a new 1-hour NO_x standard of 0.100 ppm on January 22, 2010.
[6] The Los Angeles portion of the SoCAB was designated as nonattainment for lead under the new federal and existing state AAQS as a result of large industrial emitters. Remaining areas within the SoCAB are unclassified. (March 25, 2010)

Existing Ambient Air Quality

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements made by the SCAQMD. The project site is in Source Receptor Area (SRA) 23 – Metropolitan Riverside (Riverside Valley). The air quality monitoring station in SRA 23 is the Riverside Monitoring Station. Data from this station is summarized in Table 3. The data show recurring violations of both the state and federal 8-hour O_3 standards. The data also indicate that the area regularly exceeds the state PM_{10} and federal $PM_{2.5}$ AAQS. The CO, SO_2, 1-hour (state) O_3, and NO_2 standards have not been violated in the last five years at this station.

Table 3
Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations				
	2006	2007	2008	2009	2010
Ozone (O_3)[1]					
State 1-Hour ≥ 0.09 ppm	45	31	54	25	31
State 8-hour ≥ 0.07 ppm	75	69	89	57	74
Federal 8-Hour > 0.075 ppm	57	45	64	36	47
Max. 1-Hour Conc. (ppm)	0.151	0.131	0.146	0.116	0.128
Max. 8-Hour Conc. (ppm)	0.117	0.111	0.116	0.101	0.099
Carbon Monoxide (CO)[1]					
State 8-Hour > 9.0 ppm	0	0	0	0	0
Federal 8-Hour ≥ 9.0 ppm	0	0	0	0	0
Max. 8-Hour Conc. (ppm)	2.29	2.93	1.86	1.85	1.84
Nitrogen Dioxide (NO_2)[1]					
State 1-Hour ≥ 0.18 ppm	0	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.076	0.072	0.092	0.078	0.065
Sulfur Dioxide (SO_2)[1]					
State 1-Hour ≥ 0.04 ppm	0	0	0	0	0
Max. 1-Hour Conc. (ppm)	0.003	0.004	0.003	0.003	0.005
Coarse Particulates (PM_{10})[1]					
State 24-Hour > 50 $\mu g/m^3$	69	65	46	NA	NA
Federal 24-Hour > 150 $\mu g/m^3$	0	1[3]	0	0	0
Max. 24-Hour Conc. ($\mu g/m^3$)	109.0	559.0	108.0	77.0	75.0
Fine Particulates ($PM_{2.5}$)[1]					
Federal 24-Hour > 35[2] $\mu g/m^3$	32	33	14	13	4
Max. 24-Hour Conc. ($\mu g/m^3$)	68.4	75.6	57.6	54.4	46.5

Source: CARB 2010c.
ppm: parts per million; $\mu g/m^3$: or micrograms per cubic meter.
[1] Data obtained from the Riverside Rubidoux Monitoring Station.
[2] Percentage of samples exceeding standard.
[3] Statistics include data that is related to an exceptional event.

Sensitive Receptors

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardiorespiratory diseases.

Residential areas are considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Other sensitive receptors can include retirement facilities, hospitals, and schools. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Generally, industrial, commercial, retail, and office areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public.

METHODOLOGY

Projected construction- and operation-related air pollutant emissions are calculated using the California Emissions Estimator Model (CalEEMod) distributed by the SCAQMD. CalEEMod compiles an emissions inventory of construction, area, energy (natural gas and purchased energy), water, waste, and vehicle emissions sources. The calculated emissions of the project are compared to thresholds of significance for individual projects using the SCAQMD's *CEQA Air Quality Analysis Guidance Handbook*.

THRESHOLDS OF SIGNIFICANCE

CEQA allows for the significance criteria established by the applicable air quality management or air pollution control district to be used to assess impacts of a project on air quality. The SCAQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation. In addition to the daily thresholds listed above, projects are also subject to the AAQS. These are addressed through an analysis of localized significance thresholds (LSTs).

Regional Significance Thresholds

The SCAQMD has adopted regional construction and operational emissions thresholds to determine project-specific and cumulative impacts on air quality within the SoCAB, as shown in Table 4.

Table 4
SCAQMD Regional Significance Thresholds

Air Pollutant	*Construction Phase*	*Operational Phase*
Volatile Organic Gases (VOC)	75 lbs/day	55 lbs/day
Carbon Monoxide (CO)	550 lbs/day	550 lbs/day
Nitrogen Oxides (NO_X)	100 lbs/day	55 lbs/day
Sulfur Oxides (SO_X)	150 lbs/day	150 lbs/day
Coarse Inhalable Particulates (PM_{10})	150 lbs/day	150 lbs/day
Fine Inhalable Particulates ($PM_{2.5}$)	55 lbs/day	55 lbs/day

CO Hotspot Analysis

The significance of localized project impacts depends on whether the project would cause substantial concentrations of CO. The 1993 CEQA Air Quality Handbook includes methodology to conduct localized CO modeling for traffic generated by a project. At the time of the 1993 Handbook, the SoCAB was designated as nonattainment under the CAAQS and NAAQS for CO. With the turnover of older vehicles, introduction of cleaner fuels and implementation of control technology on industrial facilities, CO concentrations in the SoCAB and in the state have steadily declined. In 2007, the SCAQMD was designated as in attainment for CO under both the CAAQS and NAAQS.

As identified within SCAQMD's 2003 Air Quality Management Plan (2003 AQMP) and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB were a result of unusual meteorological and topographical conditions, and not a result of congestion at a particular intersection. A CO hot spot analysis was conducted for four busy intersections in Los Angeles[1] at the peak morning and afternoon time periods and did not predict a violation of CO

[1] The four intersections include: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day which had a level of service (LOS) of E in the morning peak hour and LOS F in the evening peak hour.

standards. Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (BAAQMD 2011). Therefore, the potential for CO hotspots to be generated in the SoCAB is extremely unlikely because of the improvements in vehicle emission rates and control efficiencies. Typical projects would not expose sensitive receptors to substantial pollutant concentrations and analysis of CO hotspots is not warranted.

Localized Significance Thresholds

The SCAQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at the project site (off-site mobile-source emissions are not included the LST analysis). LSTs represent the maximum emissions at a project site that are not expected to cause or contribute to an exceedance of the most stringent federal or state AAQS. LSTs are based on the ambient concentrations of that pollutant within the project air pollutant monitoring station area, or source receptor area (SRA) and the distance to the nearest sensitive receptor. LST analysis for construction is applicable for all projects of five acres and less; however, it can be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required. The project site area of disturbance is 8.87-acres. Based on the equipment use during grading in CalEEMod, the project would disturb approximately 2.5 acres per day during. Therefore, LSTs for a 2.5-acre site for construction and a 5-acre site for operation in SRA 23 for sensitive receptors within 82 feet (25 meters) are shown in Table 5.[2] If emissions exceed the LST then dispersion modeling needs to be conducted using the thresholds in Table 6 for emissions that exceed the LSTs shown in Table 5.

Table 5
Localized Significance Thresholds – Screening Level Analysis

Air Pollutant	Threshold (lbs/day)	
	Construction	Operation
Nitrogen Oxides (NO_2)	187	270
Carbon Monoxide (CO)	999	1,577
Coarse Particulates (PM_{10})	8.0	4
Fine Particulates ($PM_{2.5}$)	4.7	2

Source: SCAQMD 2006, Appendix A: Based on LSTs for a 2.5-acre site for construction and a 5-acre project site for operation in SRA 23 with sensitive receptors located within 82 feet (25 meters).

[2] NO_2 and CO AAQS are averaged over shorter (1-hour and 8-hour) time periods while PM_{10} and $PM_{2.5}$ are averaged over a 24-hour time period. Pursuant to SCAQMD's LST guidance, non-sensitive receptors should be evaluated for pollutants that have AAQS averaged over a shorter period because occupants could be exposed to substantial concentrations of pollutants during this period.

Table 6
SCAQMD Localized Significance Thresholds Based on AAQS for Projects Larger than 5 Acres

Air Pollutant (Relevant AAQS)	*Concentration*
1-Hour CO Standard (CAAQS)	20 ppm
8-Hour CO Standard (CAAQS)	9.0 ppm
1-Hour NO_2 Standard (CAAQS)[1]	0.100 ppm
24-Hour PM_{10} Standard – Construction (SCAQMD)[2]	10.4 $\mu g/m^3$
24-Hour $PM_{2.5}$ Standard – Construction (SCAQMD)[2]	10.4 $\mu g/m^3$
24-Hour PM_{10} Standard – Operation (SCAQMD)[1]	2.5 $\mu g/m^3$
24-Hour $PM_{2.5}$ Standard – Operation (SCAQMD)[1]	2.5 $\mu g/m^3$

Notes: ppm – parts per million; $\mu g/m3$ – micrograms per cubic meter
[1] Updated based on the new CAAQS.
[2] Threshold is based on SCAQMD Rule 403. Since the SoCAB is in nonattainment for PM_{10} and $PM_{2.5}$, the threshold is established as an allowable change in concentration. Therefore, background concentration is irrelevant.

Health Risk Analysis

Whenever a project would require use of chemical compounds that have been identified in SCAQMD Rule 1401, placed on CARB's air toxics list pursuant to AB 1807, or placed on the USEPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the SCAQMD. Table 7 lists the SCAQMD's toxic air contaminant (TAC) incremental risk thresholds for operation of a project. Residential, commercial, and office uses do not use substantial quantities of TACs and these thresholds are typically applied for new industrial projects. It should be noted that these thresholds do not gauge the compatibility of a project with adjacent sources of air pollutants.

Table 7
SCAQMD Toxic Air Contaminants Incremental Risk Thresholds

Maximum Individual Cancer Risk	≥ 10 in 1 million
Hazard Index (project increment)	≥ 1.0

Source: SCAQMD 2007

GREENHOUSE GAS EMISSIONS

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as greenhouse gases (GHGs) to the atmosphere. The primary source of these GHG is from fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHG—water vapor, carbon (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed within the 20th and 21st centuries. Other GHG identified by the IPCC that contribute to global warming effect to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons.

REGULATORY SETTINGS

Regulation of GHG Emissions on a National Level

On April 17, 2009, the USEPA declared CO_2 a threat to public health and welfare, which is the first step towards development of AAQS standards for this air pollutant. However, there are no adopted regulations to combat global climate change on a national level.

Regulation of GHG Emissions on a State Level

Assembly Bill 32

Assembly Bill 32 (AB 32), the Global Warming Solutions Act, was passed by the California state legislature on August 31, 2006, to place the state on a course toward reducing its contribution of GHG. AB 32 follows the first tier of emissions reduction targets established in Executive Order S-3-05, signed on June 1, 2005, which requires the state's global warming emissions to be reduced to 1990 levels by the year 2020. Executive Order S-3-05 also requires the state to reduce GHG emissions by 80 percent of 1990 levels by year 2050. Projected GHG emissions in California are estimated at 596 million metric tons (MTons) on 2020. In December 2007, CARB approved a 2020 emissions limit of 427 million metric tons (471 million tons) for the state. The 2020 target requires emissions reductions of 169 million MTons, approximately 30 percent of the projected emissions compared to business-as-usual (BAU) in year 2020 (i.e., 30 percent of 596 MTons). CARB defines BAU in their Scoping Plan as emissions levels that would occur if California continued to grow and add new GHG emissions but did not adopt any measures to reduce emissions. Projections for each emission-generating sector were compiled and used to estimate emissions for 2020 based on 2002-2004 emissions intensities. Under CARB's definition of BAU, new growth is assumed to have the same carbon intensities as is typical practice in 2002-2004.

In order to effectively implement the cap, AB 32 directed CARB to establish a mandatory reporting system to track and monitor global warming emissions levels, prepare a plan demonstrating how the 2020 deadline can be met, and develop appropriate regulations and programs to implement the plan by 2012. The Climate Action Registry Reporting Online Tool was established through the Climate Action Registry to track GHG emissions. On December 11, 2008, CARB adopted the *Climate Change Scoping Plan.* Key elements of CARB's GHG reduction plan are:

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent.
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system.

- Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.

- Adopting and implementing measures pursuant to state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard

- Creating target fees, including a public goods charge on water use, fees on high global warming potential gases, and a fee to fund the administrative costs of the state's long-term commitment to AB 32 implementation.

Table 8 shows the proposed reductions from regulations and programs outlined in the Scoping Plan. While local government operations were not accounted for in achieving the 2020 emissions reduction, they are anticipated to reduce vehicle miles by approximately 2 percent through land use planning, resulting in a potential GHG reduction of 2 million metric tons of GHG. In recognition of the critical role local governments will play in successful implementation of AB 32, CARB is recommending GHG reduction goals of 15 percent of today's levels by 2020 to ensure that municipal and community-wide emissions match the state's reduction target. Measures that local governments take to support shifts in land use patterns are anticipated to emphasize compact, low-impact growth over development in greenfields, resulting in fewer vehicle miles traveled.

Regulation of GHG Emissions on a Regional Level

In 2008, Senate Bill 375 (SB 375) was adopted to connect the GHG emissions reductions targets established in the Scoping Plan for the transportation sector to local land use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce vehicle miles traveled and vehicle trips. Specifically, SB 375 requires CARB to establish GHG emissions reduction targets for each of the 17 regions in California managed by a Metropolitan Planning Organization (MPO). The GHG emission reduction targets for each region were adopted on September 29, 2010 and range from 7 to 8 percent in 2020 and between 13 to 16 percent in 2035 from 2005 base year for the different MPOs. The Southern California Association of Governments (SCAG) is the MPO for the southern California region, which includes the counties of Los Angeles, Orange, San Bernardino County, Riverside, Ventura, and Riverside. CARB is proposing to set SCAG's targets for 8 percent reduction from 2005 by 2020 and 13 percent reduction from 2005 by 2035.

The 2020 targets are smaller than the 2035 targets because a significant portion of the built environment in 2020 has been defined by decisions that have already been made. In general, the 2020 scenarios reflect that more time is needed for large land use and transportation infrastructure changes. Most of the reductions in the interim are anticipated to come from improving the efficiency of the region's existing transportation network. The proposed targets would result in 3 million MTons of GHG reductions by 2020 and 15 million MTons of GHG reductions by 2035. Based on these reductions, the passenger vehicle target in CARB's Scoping Plan (for AB 32) would be met (CARB 2010d).

Table 8
Scoping Plan Greenhouse Gas Reduction Measures and Reductions toward 2020 Target

Recommended Reduction Measures	*Reductions Counted toward 2020 Target of 169 MMT CO_{2e}*	*Percentage of Statewide 2020 Target*
Cap and Trade Program and Associated Measures		
California Light-Duty Vehicle GHG Standards	31.7	19%
Energy Efficiency	26.3	16%
Renewable Portfolio Standard (33 percent by 2020)	21.3	13%
Low Carbon Fuel Standard	15	9%
Regional Transportation-Related GHG Targets[1]	5	3%
Vehicle Efficiency Measures	4.5	3%
Goods Movement	3.7	2%
Million Solar Roofs	2.1	1%
Medium/Heavy Duty Vehicles	1.4	1%
High Speed Rail	1.0	1%
Industrial Measures	0.3	0%
Additional Reduction Necessary to Achieve Cap	34.4	20%
Total Cap and Trade Program Reductions	**146.7**	**87%**
Uncapped Sources/Sectors Measures		
High Global Warming Potential Gas Measures	20.2	12%
Sustainable Forests	5	3%
Industrial Measures (for sources not covered under cap and trade program)	1.1	1%
Recycling and Waste (landfill methane capture)	1	1%
Total Uncapped Sources/Sectors Reductions	**27.3**	**16%**
Total Reductions Counted toward 2020 Target	**174**	**100%**
Other Recommended Measures – Not Counted toward 2020 Target		
State Government Operations	1.0 to 2.0	1%
Local Government Operations	To Be Determined[2]	NA
Green Buildings	26	15%
Recycling and Waste	9	5%
Water Sector Measures	4.8	3%
Methane Capture at Large Dairies	1	1%
Total Other Recommended Measures – Not Counted toward 2020 Target	**42.8**	**NA**

Source: CARB 2008. Note: the percentages in the right-hand column add up to more than 100 percent because the emissions reduction goal is 169 MMTons and the Scoping Plan identifies 174 MMTons of emissions reductions strategies.

$MMTCO_{2e}$: million metric tons of CO_{2e}

[1] Reductions represent an estimate of what may be achieved from local land use changes. It is not the SB 375 regional target.

[2] According to the Measure Documentation Supplement to the Scoping Plan, local government actions and targets are anticipated to reduce vehicle miles by approximately 2 percent through land use planning, resulting in a potential GHG reduction of 2 million metric tons of CO_{2e} (or approximately 1.2 percent of the GHG reduction target). However, these reductions were not included in the Scoping Plan reductions to achieve the 2020 target.

SB 375 requires the MPOs to prepare a Sustainable Communities Strategy (SCS) in their Regional Transportation Plan. For the Southern California Association of Governments (SCAG) region, the first SCS is anticipated by May 2012. The SCS sets forth a development pattern for the region, which, when integrated with the transportation network and other transportation measures and policies, would reduce GHG emissions from transportation (excluding goods movement). The SCS is meant to provide individual jurisdictions with growth strategies that together achieve the regional GHG emissions reduction targets. However, the SCS does not require that local general plans, specific plans, or zoning be consistent with the SCS but provides incentives for consistency for governments and developers. If the SCS is unable to achieve the regional GHG emissions reduction targets, then the MPO is required to prepare an Alternative Planning Strategy that shows how the GHG emissions reduction target could be achieved through alternative development patterns, infrastructure, and/or transportation measures.

THRESHOLDS OF SIGNIFICANCE

The CEQA Guidelines recommend that a lead agency consider the following when assessing the significance of impacts from GHG emissions on the environment:

1. The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;

2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;

3. The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions[3].

South Coast Air Quality Management District

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, SCAQMD has convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency:

Tier1 If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

Tier 2 If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., City or County), project-level and cumulative GHG emissions are less than significant.

For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, SCAQMD requires an assessment of GHG emissions. SCAQMD is proposing a screening-level threshold of 3,000 MTons annually for all land use types or the following land-use-specific thresholds: 1,400 MTons for commercial projects, 3,500 MTons for residential projects, or 3,000 MTons for mixed-use projects.

[3] The Governor's Office of Planning and Research recommendations include a requirement that such a plan must be adopted through a public review process and include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable, notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

This bright-line threshold is based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal, and therefore, less than cumulatively considerable impact on GHG emissions:

Tier 3 If GHG emissions are less than the screening-level threshold, project-level and cumulative GHG emissions are less than significant.

Tier 4 If emissions exceed the screening threshold, a more detailed review of the project's GHG emissions is warranted.

SCAQMD is proposing to adopt an efficiency target for projects that exceed the screening threshold. The current recommended approach is per capita efficiency targets. SCAQMD is not recommending use of a percent emissions reduction target. Instead, SCAQMD proposes a 2020 efficiency target of 4.8 MTons per year per service population (MTons/year/SP) for project-level analyses and 6.6 MTons/year/SP for plan level projects (e.g., program-level projects such as specific plans and general plans).[4] If projects exceed these per capita efficiency targets, GHG emissions would be considered potentially significant in the absence of mitigation measures.

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[4] It should be noted that the Working Group also considered efficiency targets for 2035 for the first time in this Working Group meeting.

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
High School	4.515	1000sqft
Other Asphalt Surfaces	22.75	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - total acreage disturbed = 8.87 acres

Construction Phase - Construction phasing and equipment provided by the District.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - Construction equipment and phasing provided by the District (pool construction is defualt minus the crane)

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Grading -

Demolition -

Trips and VMT - Note bug in CalEEMod in the Phasing that causes repeat of rows for some complex phased projects. Deleted duplicate/triplicate trips.

Architectural Coating - CalEEMod bug - duplicate phasing. VOC content of the paint has been adjusted because CalEEMod treats some types of pavement as paintable surfaces.

Vehicle Trips - The project generates a net increase of 1,590 trips.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Water And Wastewater - No increase in water. Reduction from turf.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403.

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2012	0.62	3.86	2.62	0.00	0.11	0.30	0.41	0.03	0.30	0.33	0.00	361.00	361.00	0.05	0.00	362.06
2013	0.34	1.50	1.07	0.00	0.01	0.10	0.11	0.00	0.10	0.10	0.00	165.72	165.72	0.02	0.00	166.12
Total	**0.96**	**5.36**	**3.69**	**0.00**	**0.12**	**0.40**	**0.52**	**0.03**	**0.40**	**0.43**	**0.00**	**526.72**	**526.72**	**0.07**	**0.00**	**528.18**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2012	0.62	3.86	2.62	0.00	0.07	0.30	0.37	0.01	0.30	0.31	0.00	361.00	361.00	0.05	0.00	362.06
2013	0.34	1.50	1.07	0.00	0.01	0.10	0.11	0.00	0.10	0.10	0.00	165.72	165.72	0.02	0.00	166.12
Total	**0.96**	**5.36**	**3.69**	**0.00**	**0.08**	**0.40**	**0.48**	**0.01**	**0.40**	**0.41**	**0.00**	**526.72**	**526.72**	**0.07**	**0.00**	**528.18**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.13	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	14.14	14.14	0.00	0.00	14.23
Mobile	0.14	0.27	1.81	0.00	0.33	0.01	0.34	0.01	0.01	0.03	0.00	249.83	249.83	0.01	0.00	250.04
Waste						0.00	0.00		0.00	0.00	1.19	0.00	1.19	0.07	0.00	2.67
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.27**	**0.27**	**1.81**	**0.00**	**0.33**	**0.01**	**0.34**	**0.01**	**0.01**	**0.03**	**1.19**	**263.97**	**265.16**	**0.08**	**0.00**	**266.94**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.13	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	14.14	14.14	0.00	0.00	14.23
Mobile	0.14	0.27	1.81	0.00	0.33	0.01	0.34	0.01	0.01	0.03	0.00	249.83	249.83	0.01	0.00	250.04
Waste						0.00	0.00		0.00	0.00	1.19	0.00	1.19	0.07	0.00	2.67
Water						0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.27**	**0.27**	**1.81**	**0.00**	**0.33**	**0.01**	**0.34**	**0.01**	**0.01**	**0.03**	**1.19**	**263.97**	**265.16**	**0.08**	**0.00**	**266.94**

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3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.26	1.26	0.00	0.00	1.26
Total	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**1.26**	**1.26**	**0.00**	**0.00**	**1.26**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	3.04	3.04	0.00	0.00	3.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.14
Total	**0.00**	**0.02**	**0.01**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**3.17**	**3.17**	**0.00**	**0.00**	**3.18**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	1.26	1.26	0.00	0.00	1.26
Total	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.26**	**1.26**	**0.00**	**0.00**	**1.26**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	3.04	3.04	0.00	0.00	3.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00	0.00	0.14
Total	**0.00**	**0.02**	**0.01**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**3.17**	**3.17**	**0.00**	**0.00**	**3.18**

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3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.06	0.00	0.06	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.04	0.30	0.18	0.00		0.02	0.02		0.02	0.02	0.00	27.21	27.21	0.00	0.00	27.28
Total	**0.04**	**0.30**	**0.18**	**0.00**	**0.06**	**0.02**	**0.08**	**0.03**	**0.02**	**0.05**	**0.00**	**27.21**	**27.21**	**0.00**	**0.00**	**27.28**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.15	0.00	0.00	1.15
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.15**	**1.15**	**0.00**	**0.00**	**1.15**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.02	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.04	0.30	0.18	0.00		0.02	0.02		0.02	0.02	0.00	27.21	27.21	0.00	0.00	27.28
Total	**0.04**	**0.30**	**0.18**	**0.00**	**0.02**	**0.02**	**0.04**	**0.01**	**0.02**	**0.03**	**0.00**	**27.21**	**27.21**	**0.00**	**0.00**	**27.28**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.15	0.00	0.00	1.15
Total	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.15**	**1.15**	**0.00**	**0.00**	**1.15**

3.4 Trenching1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.06	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.96	5.96	0.00	0.00	5.97
Total	**0.01**	**0.06**	**0.04**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**5.96**	**5.96**	**0.00**	**0.00**	**5.97**

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.30**	**0.30**	**0.00**	**0.00**	**0.30**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.06	0.04	0.00		0.00	0.00		0.00	0.00	0.00	5.96	5.96	0.00	0.00	5.97
Total	**0.01**	**0.06**	**0.04**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**5.96**	**5.96**	**0.00**	**0.00**	**5.97**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.00	0.30
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.30**	**0.30**	**0.00**	**0.00**	**0.30**

3.5 Paving - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.26	1.59	0.94	0.00		0.14	0.14		0.14	0.14	0.00	118.47	118.47	0.02	0.00	118.92
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.26**	**1.59**	**0.94**	**0.00**		**0.14**	**0.14**		**0.14**	**0.14**	**0.00**	**118.47**	**118.47**	**0.02**	**0.00**	**118.92**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	8.91	8.91	0.00	0.00	8.92
Total	**0.00**	**0.01**	**0.07**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**8.91**	**8.91**	**0.00**	**0.00**	**8.92**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.26	1.59	0.94	0.00		0.14	0.14		0.14	0.14	0.00	118.47	118.47	0.02	0.00	118.92
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.26**	**1.59**	**0.94**	**0.00**		**0.14**	**0.14**		**0.14**	**0.14**	**0.00**	**118.47**	**118.47**	**0.02**	**0.00**	**118.92**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.01	0.07	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	8.91	8.91	0.00	0.00	8.92
Total	**0.00**	**0.01**	**0.07**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**8.91**	**8.91**	**0.00**	**0.00**	**8.92**

3.6 Building Construction1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.20	1.20	0.87	0.00		0.09	0.09		0.09	0.09	0.00	118.82	118.82	0.02	0.00	119.15
Total	**0.20**	**1.20**	**0.87**	**0.00**		**0.09**	**0.09**		**0.09**	**0.09**	**0.00**	**118.82**	**118.82**	**0.02**	**0.00**	**119.15**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.04	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	5.88	5.88	0.00	0.00	5.88
Worker	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	5.94	5.94	0.00	0.00	5.94
Total	**0.00**	**0.04**	**0.06**	**0.00**	**0.02**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**11.82**	**11.82**	**0.00**	**0.00**	**11.82**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.20	1.20	0.87	0.00		0.09	0.09		0.09	0.09	0.00	118.82	118.82	0.02	0.00	119.15
Total	**0.20**	**1.20**	**0.87**	**0.00**		**0.09**	**0.09**		**0.09**	**0.09**	**0.00**	**118.82**	**118.82**	**0.02**	**0.00**	**119.15**

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.04	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	5.88	5.88	0.00	0.00	5.88
Worker	0.00	0.00	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	5.94	5.94	0.00	0.00	5.94
Total	**0.00**	**0.04**	**0.06**	**0.00**	**0.02**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**11.82**	**11.82**	**0.00**	**0.00**	**11.82**

3.6 Building Construction1 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.11	0.09	0.00		0.01	0.01		0.01	0.01	0.00	11.88	11.88	0.00	0.00	11.91
Total	**0.02**	**0.11**	**0.09**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**11.88**	**11.88**	**0.00**	**0.00**	**11.91**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	0.00	0.00	0.59
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.58
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.17**	**1.17**	**0.00**	**0.00**	**1.17**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.02	0.11	0.09	0.00		0.01	0.01		0.01	0.01	0.00	11.88	11.88	0.00	0.00	11.91
Total	**0.02**	**0.11**	**0.09**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**11.88**	**11.88**	**0.00**	**0.00**	**11.91**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	0.00	0.00	0.59
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.00	0.00	0.58
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.17**	**1.17**	**0.00**	**0.00**	**1.17**

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3.7 Trenching2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.06	0.04	0.00		0.01	0.01		0.01	0.01	0.00	5.54	5.54	0.00	0.00	5.56
Total	**0.01**	**0.06**	**0.04**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**5.54**	**5.54**	**0.00**	**0.00**	**5.56**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	0.00	0.00	0.59
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.59**	**0.59**	**0.00**	**0.00**	**0.59**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.01	0.06	0.04	0.00		0.01	0.01		0.01	0.01	0.00	5.54	5.54	0.00	0.00	5.56
Total	**0.01**	**0.06**	**0.04**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**5.54**	**5.54**	**0.00**	**0.00**	**5.56**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.59	0.00	0.00	0.59
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.59**	**0.59**	**0.00**	**0.00**	**0.59**

3.8 Building Construction2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.55	0.35	0.00		0.04	0.04		0.04	0.04	0.00	53.66	53.66	0.01	0.00	53.81
Total	**0.09**	**0.55**	**0.35**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**53.66**	**53.66**	**0.01**	**0.00**	**53.81**

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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.00	0.00	2.06
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.00	0.00	2.08
Total	**0.00**	**0.01**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4.14**	**4.14**	**0.00**	**0.00**	**4.14**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.09	0.55	0.35	0.00		0.04	0.04		0.04	0.04	0.00	53.66	53.66	0.01	0.00	53.81
Total	**0.09**	**0.55**	**0.35**	**0.00**		**0.04**	**0.04**		**0.04**	**0.04**	**0.00**	**53.66**	**53.66**	**0.01**	**0.00**	**53.81**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	2.06	0.00	0.00	2.06
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.08	2.08	0.00	0.00	2.08
Total	**0.00**	**0.01**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4.14**	**4.14**	**0.00**	**0.00**	**4.14**

3.8 Building Construction2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.21	1.33	0.92	0.00		0.09	0.09		0.09	0.09	0.00	140.54	140.54	0.02	0.00	140.90
Total	**0.21**	**1.33**	**0.92**	**0.00**		**0.09**	**0.09**		**0.09**	**0.09**	**0.00**	**140.54**	**140.54**	**0.02**	**0.00**	**140.90**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.40	5.40	0.00	0.00	5.40
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.32	5.32	0.00	0.00	5.33
Total	**0.00**	**0.04**	**0.06**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**10.72**	**10.72**	**0.00**	**0.00**	**10.73**

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.21	1.33	0.92	0.00		0.09	0.09		0.09	0.09	0.00	140.54	140.54	0.02	0.00	140.90
Total	**0.21**	**1.33**	**0.92**	**0.00**		**0.09**	**0.09**		**0.09**	**0.09**	**0.00**	**140.54**	**140.54**	**0.02**	**0.00**	**140.90**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.40	5.40	0.00	0.00	5.40
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.32	5.32	0.00	0.00	5.33
Total	**0.00**	**0.04**	**0.06**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**10.72**	**10.72**	**0.00**	**0.00**	**10.73**

3.9 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.05					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	0.68	0.68	0.00	0.00	0.68
Total	**0.05**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.68**	**0.68**	**0.00**	**0.00**	**0.68**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.00**	**0.07**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.05					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	0.68	0.68	0.00	0.00	0.68
Total	**0.05**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.68**	**0.68**	**0.00**	**0.00**	**0.68**

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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00	0.00	0.07
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.07**	**0.00**	**0.00**	**0.07**

3.10 Architectural Coating2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.05					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.60
Total	**0.05**	**0.01**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.60**	**0.60**	**0.00**	**0.00**	**0.60**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.06**	**0.06**	**0.00**	**0.00**	**0.06**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.05					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.01	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.60
Total	**0.05**	**0.01**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.60**	**0.60**	**0.00**	**0.00**	**0.60**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.06
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.06**	**0.06**	**0.00**	**0.00**	**0.06**

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4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.14	0.27	1.81	0.00	0.33	0.01	0.34	0.01	0.01	0.03	0.00	249.83	249.83	0.01	0.00	250.04
Unmitigated	0.14	0.27	1.81	0.00	0.33	0.01	0.34	0.01	0.01	0.03	0.00	249.83	249.83	0.01	0.00	250.04
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	1,590.00	0.00	594,696	594,696
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	1,590.00	0.00	594,696	594,696

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
High School	9.50	7.30	7.30	77.80	17.20	5.00
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.00	0.00		0.00	0.00	0.00	11.94	11.94	0.00	0.00	12.01
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	11.94	11.94	0.00	0.00	12.01
NaturalGas Mitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	2.20	2.20	0.00	0.00	2.21
NaturalGas Unmitigated	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	2.20	2.20	0.00	0.00	2.21
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
High School	41221.9	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	2.20	2.20	0.00	0.00	2.21
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**2.20**	**2.20**	**0.00**	**0.00**	**2.21**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	tons/yr										MT/yr					
High School	41221.9	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	2.20	2.20	0.00	0.00	2.21
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		**0.00**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**2.20**	**2.20**	**0.00**	**0.00**	**2.21**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
High School	41041.3					11.94	0.00	0.00	12.01
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Total						**11.94**	**0.00**	**0.00**	**12.01**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
High School	41041.3					11.94	0.00	0.00	12.01
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Total						**11.94**	**0.00**	**0.00**	**12.01**

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.13	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unmitigated	0.13	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.10					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.13**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.03					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.10					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.13**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					0.00	0.00	0.00	0.00
Unmitigated					0.00	0.00	0.00	0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
High School	0 / 0					0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Total						**0.00**	**0.00**	**0.00**	**0.00**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
High School	0 / 0					0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0 / 0					0.00	0.00	0.00	0.00
Total						**0.00**	**0.00**	**0.00**	**0.00**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					1.19	0.07	0.00	2.67
Unmitigated					1.19	0.07	0.00	2.67
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
High School	5.86					1.19	0.07	0.00	2.67
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Total						**1.19**	**0.07**	**0.00**	**2.67**

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Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
High School	5.86					1.19	0.07	0.00	2.67
Other Asphalt Surfaces	0					0.00	0.00	0.00	0.00
Total						**1.19**	**0.07**	**0.00**	**2.67**

9.0 Vegetation

NorthHS

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
High School	4.515	1000sqft
Other Asphalt Surfaces	22.75	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - total acreage disturbed = 8.87 acres

Construction Phase - Construction phasing and equipment provided by the District.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - Construction equipment and phasing provided by the District (pool construction is defualt minus the crane)

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Grading -

Demolition -

Trips and VMT - Note bug in CalEEMod in the Phasing that causes repeat of rows for some complex phased projects. Deleted duplicate/triplicate trips.

Architectural Coating - CalEEMod bug - duplicate phasing. VOC content of the paint has been adjusted because CalEEMod treats some types of pavement as paintable surfaces.

Vehicle Trips - The project generates a net increase of 1,590 trips.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Water And Wastewater - No increase in water. Reduction from turf.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403.

NorthHS

Riverside-South Coast County, Summer

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	11.67	71.96	49.03	0.08	10.50	5.51	12.95	3.34	5.51	5.79	0.00	7,593.98	0.00	1.05	0.00	7,616.00
2013	20.25	46.23	34.53	0.06	0.56	3.21	3.77	0.02	3.21	3.23	0.00	5,657.41	0.00	0.65	0.00	5,671.11
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	11.67	71.96	49.03	0.08	5.73	5.51	8.18	1.45	5.51	5.53	0.00	7,593.98	0.00	1.05	0.00	7,616.00
2013	20.25	46.23	34.53	0.06	0.56	3.21	3.77	0.02	3.21	3.23	0.00	5,657.41	0.00	0.65	0.00	5,671.11
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Mobile	5.99	10.12	74.29	0.12	13.76	0.57	14.33	0.45	0.57	1.02		11,407.21		0.54		11,418.57
Total	**6.70**	**10.13**	**74.30**	**0.12**	**13.76**	**0.57**	**14.33**	**0.45**	**0.57**	**1.02**		**11,420.50**		**0.54**	**0.00**	**11,431.94**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Mobile	5.99	10.12	74.29	0.12	13.76	0.57	14.33	0.45	0.57	1.02		11,407.21		0.54		11,418.57
Total	**6.70**	**10.13**	**74.30**	**0.12**	**13.76**	**0.57**	**14.33**	**0.45**	**0.57**	**1.02**		**11,420.50**		**0.54**	**0.00**	**11,431.94**

NorthHS

Riverside-South Coast County, Summer

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.78	0.00	1.78	0.00	0.00	0.00						0.00
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23		277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**	**1.78**	**0.23**	**2.01**	**0.00**	**0.23**	**0.23**		**277.89**		**0.04**		**278.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.39	4.72	2.03	0.01	1.93	0.19	2.12	0.02	0.19	0.21		671.78		0.02		672.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.41**	**4.74**	**2.25**	**0.01**	**1.97**	**0.19**	**2.16**	**0.02**	**0.19**	**0.21**		**703.97**		**0.02**		**704.40**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23	0.00	277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**	**0.76**	**0.23**	**0.99**	**0.00**	**0.23**	**0.23**	**0.00**	**277.89**		**0.04**		**278.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.39	4.72	2.03	0.01	1.93	0.19	2.12	0.02	0.19	0.21		671.78		0.02		672.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.41**	**4.74**	**2.25**	**0.01**	**1.97**	**0.19**	**2.16**	**0.02**	**0.19**	**0.21**		**703.97**		**0.02**		**704.40**

NorthHS

Riverside-South Coast County, Summer

3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.55	0.00	6.55	3.31	0.00	3.31						0.00
Off-Road	4.55	35.03	21.48	0.03		2.02	2.02		2.02	2.02		3,530.20		0.41		3,538.75
Total	**4.55**	**35.03**	**21.48**	**0.03**	**6.55**	**2.02**	**8.57**	**3.31**	**2.02**	**5.33**		**3,530.20**		**0.41**		**3,538.75**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.80	0.00	2.80	1.42	0.00	1.42						0.00
Off-Road	4.55	35.03	21.48	0.03		2.02	2.02		2.02	2.02	0.00	3,530.20		0.41		3,538.75
Total	**4.55**	**35.03**	**21.48**	**0.03**	**2.80**	**2.02**	**4.82**	**1.42**	**2.02**	**3.44**	**0.00**	**3,530.20**		**0.41**		**3,538.75**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

3.4 Trenching1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.69	5.12	3.55	0.01		0.30	0.30		0.30	0.30		597.43		0.06		598.71
Total	**0.69**	**5.12**	**3.55**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**		**597.43**		**0.06**		**598.71**

NorthHS

Riverside-South Coast County, Summer

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.69	5.12	3.55	0.01		0.30	0.30		0.30	0.30	0.00	597.43		0.06		598.71
Total	**0.69**	**5.12**	**3.55**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**	**0.00**	**597.43**		**0.06**		**598.71**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

3.5 Paving - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.98	24.16	14.30	0.02		2.12	2.12		2.12	2.12		1,979.14		0.36		1,986.64
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.99**	**24.16**	**14.30**	**0.02**		**2.12**	**2.12**		**2.12**	**2.12**		**1,979.14**		**0.36**		**1,986.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

NorthHS

Riverside-South Coast County, Summer

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.98	24.16	14.30	0.02		2.12	2.12		2.12	2.12	0.00	1,979.14		0.36		1,986.64
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.99**	**24.16**	**14.30**	**0.02**		**2.12**	**2.12**		**2.12**	**2.12**	**0.00**	**1,979.14**		**0.36**		**1,986.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

3.6 Building Construction1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.26	20.04	14.46	0.02		1.52	1.52		1.52	1.52		2,183.47		0.29		2,189.61
Total	**3.26**	**20.04**	**14.46**	**0.02**		**1.52**	**1.52**		**1.52**	**1.52**		**2,183.47**		**0.29**		**2,189.61**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.07	0.02	0.09	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.28	0.00	0.29	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.35**	**0.02**	**0.38**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.26	20.04	14.46	0.02		1.52	1.52		1.52	1.52	0.00	2,183.47		0.29		2,189.61
Total	**3.26**	**20.04**	**14.46**	**0.02**		**1.52**	**1.52**		**1.52**	**1.52**	**0.00**	**2,183.47**		**0.29**		**2,189.61**

NorthHS

Riverside-South Coast County, Summer

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.07	0.02	0.09	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.28	0.00	0.29	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.35**	**0.02**	**0.38**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

3.6 Building Construction1 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.98	18.59	14.34	0.02		1.37	1.37		1.37	1.37		2,183.46		0.27		2,189.05
Total	**2.98**	**18.59**	**14.34**	**0.02**		**1.37**	**1.37**		**1.37**	**1.37**		**2,183.46**		**0.27**		**2,189.05**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.07	0.02	0.09	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.28	0.01	0.29	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.35**	**0.03**	**0.38**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.98	18.59	14.34	0.02		1.37	1.37		1.37	1.37	0.00	2,183.46		0.27		2,189.05
Total	**2.98**	**18.59**	**14.34**	**0.02**		**1.37**	**1.37**		**1.37**	**1.37**	**0.00**	**2,183.46**		**0.27**		**2,189.05**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.07	0.02	0.09	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.28	0.01	0.29	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.35**	**0.03**	**0.38**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

NorthHS

Riverside-South Coast County, Summer

3.7 Trenching2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23		277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**		**0.23**	**0.23**		**0.23**	**0.23**		**277.89**		**0.04**		**278.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23	0.00	277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**277.89**		**0.04**		**278.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

3.8 Building Construction2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.12	26.12	16.89	0.03		1.80	1.80		1.80	1.80		2,817.54		0.37		2,825.31
Total	**4.12**	**26.12**	**16.89**	**0.03**		**1.80**	**1.80**		**1.80**	**1.80**		**2,817.54**		**0.37**		**2,825.31**

NorthHS

Riverside-South Coast County, Summer

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.04	0.02	0.06	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.14	0.00	0.15	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.18**	**0.02**	**0.21**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.12	26.12	16.89	0.03		1.80	1.80		1.80	1.80	0.00	2,817.54		0.37		2,825.31
Total	**4.12**	**26.12**	**16.89**	**0.03**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**2,817.54**		**0.37**		**2,825.31**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.04	0.02	0.06	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.14	0.00	0.15	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.18**	**0.02**	**0.21**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

3.8 Building Construction2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	24.26	16.67	0.03		1.61	1.61		1.61	1.61		2,817.54		0.34		2,824.64
Total	**3.78**	**24.26**	**16.67**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,817.54**		**0.34**		**2,824.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.04	0.02	0.06	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.14	0.01	0.15	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.18**	**0.03**	**0.21**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

NorthHS

Riverside-South Coast County, Summer

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	24.26	16.67	0.03		1.61	1.61		1.61	1.61	0.00	2,817.54		0.34		2,824.64
Total	**3.78**	**24.26**	**16.67**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**	**0.00**	**2,817.54**		**0.34**		**2,824.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.04	0.02	0.06	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.14	0.01	0.15	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.18**	**0.03**	**0.21**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

3.9 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18		187.46		0.03		188.07
Total	**13.26**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**		**187.46**		**0.03**		**188.07**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18	0.00	187.46		0.03		188.07
Total	**13.26**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**187.46**		**0.03**		**188.07**

NorthHS

Riverside-South Coast County, Summer

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

3.10 Architectural Coating2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.79					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18		187.46		0.03		188.07
Total	**15.11**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**		**187.46**		**0.03**		**188.07**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.08	0.00	0.08	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.79					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18	0.00	187.46		0.03		188.07
Total	**15.11**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**187.46**		**0.03**		**188.07**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.08	0.00	0.08	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

NorthHS

Riverside-South Coast County, Summer

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.99	10.12	74.29	0.12	13.76	0.57	14.33	0.45	0.57	1.02		11,407.21		0.54		11,418.57
Unmitigated	5.99	10.12	74.29	0.12	13.76	0.57	14.33	0.45	0.57	1.02		11,407.21		0.54		11,418.57
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	1,590.00	0.00	594,696	594,696
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	1,590.00	0.00	594,696	594,696

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
High School	9.50	7.30	7.30	77.80	17.20	5.00
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
NaturalGas Unmitigated	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
High School	112.937	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.00**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**13.29**		**0.00**	**0.00**	**13.37**

NorthHS

Riverside-South Coast County, Summer

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
High School	0.112937	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.00**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**13.29**		**0.00**	**0.00**	**13.37**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.54					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**0.71**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.54					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**0.71**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

NorthHS

Riverside-South Coast County, Summer

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

NorthHS

Riverside-South Coast County, Summer MITIGATED

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
High School	4.515	1000sqft
Other Asphalt Surfaces	22.75	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - total acreage disturbed = 8.87 acres

Construction Phase - Construction phasing and equipment provided by the District.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

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Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - Construction equipment and phasing provided by the District (pool construction is defualt minus the crane)

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Grading -

Demolition -

Trips and VMT - Note bug in CalEEMod in the Phasing that causes repeat of rows for some complex phased projects. Deleted duplicate/triplicate trips.

Architectural Coating - CalEEMod bug - duplicate phasing. VOC content of the paint has been adjusted because CalEEMod treats some types of pavement as paintable surfaces.

Vehicle Trips - The project generates a net increase of 1,590 trips.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Water And Wastewater - No increase in water. Reduction from turf.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403. Mitgated run for Tier 3 construction.

NorthHS

Riverside-South Coast County, Summer MITIGATED

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	11.67	71.96	49.03	0.08	10.50	5.51	12.95	3.34	5.51	5.79	0.00	7,593.98	0.00	1.05	0.00	7,616.00
2013	20.25	46.23	34.53	0.06	0.56	3.21	3.77	0.02	3.21	3.23	0.00	5,657.41	0.00	0.65	0.00	5,671.11
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	6.73	38.13	48.07	0.08	5.73	3.46	7.38	1.45	3.46	3.48	0.00	7,593.98	0.00	1.05	0.00	7,616.00
2013	17.99	28.45	35.25	0.06	0.56	2.50	3.06	0.02	2.50	2.52	0.00	5,657.41	0.00	0.65	0.00	5,671.11
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.78	0.00	1.78	0.00	0.00	0.00						0.00
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23		277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**	**1.78**	**0.23**	**2.01**	**0.00**	**0.23**	**0.23**		**277.89**		**0.04**		**278.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.39	4.72	2.03	0.01	1.93	0.19	2.12	0.02	0.19	0.21		671.78		0.02		672.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.41**	**4.74**	**2.25**	**0.01**	**1.97**	**0.19**	**2.16**	**0.02**	**0.19**	**0.21**		**703.97**		**0.02**		**704.40**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	0.24	1.47	1.81	0.00		0.15	0.15		0.15	0.15	0.00	277.89		0.04		278.66
Total	**0.24**	**1.47**	**1.81**	**0.00**	**0.76**	**0.15**	**0.91**	**0.00**	**0.15**	**0.15**	**0.00**	**277.89**		**0.04**		**278.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.39	4.72	2.03	0.01	1.93	0.19	2.12	0.02	0.19	0.21		671.78		0.02		672.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.41**	**4.74**	**2.25**	**0.01**	**1.97**	**0.19**	**2.16**	**0.02**	**0.19**	**0.21**		**703.97**		**0.02**		**704.40**

3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.55	0.00	6.55	3.31	0.00	3.31						0.00
Off-Road	4.55	35.03	21.48	0.03		2.02	2.02		2.02	2.02		3,530.20		0.41		3,538.75
Total	**4.55**	**35.03**	**21.48**	**0.03**	**6.55**	**2.02**	**8.57**	**3.31**	**2.02**	**5.33**		**3,530.20**		**0.41**		**3,538.75**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.80	0.00	2.80	1.42	0.00	1.42						0.00
Off-Road	2.63	16.74	20.21	0.03		1.31	1.31		1.31	1.31	0.00	3,530.20		0.41		3,538.75
Total	**2.63**	**16.74**	**20.21**	**0.03**	**2.80**	**1.31**	**4.11**	**1.42**	**1.31**	**2.73**	**0.00**	**3,530.20**		**0.41**		**3,538.75**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

3.4 Trenching1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.69	5.12	3.55	0.01		0.30	0.30		0.30	0.30		597.43		0.06		598.71
Total	**0.69**	**5.12**	**3.55**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**		**597.43**		**0.06**		**598.71**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.42	2.73	3.89	0.01		0.23	0.23		0.23	0.23	0.00	597.43		0.06		598.71
Total	**0.42**	**2.73**	**3.89**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**597.43**		**0.06**		**598.71**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

NorthHS

Riverside-South Coast County, Summer MITIGATED

3.5 Paving - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.98	24.16	14.30	0.02		2.12	2.12		2.12	2.12		1,979.14		0.36		1,986.64
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.99**	**24.16**	**14.30**	**0.02**		**2.12**	**2.12**		**2.12**	**2.12**		**1,979.14**		**0.36**		**1,986.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.74	10.45	12.89	0.02		1.04	1.04		1.04	1.04	0.00	1,979.14		0.36		1,986.64
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**1.75**	**10.45**	**12.89**	**0.02**		**1.04**	**1.04**		**1.04**	**1.04**	**0.00**	**1,979.14**		**0.36**		**1,986.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.09	1.09	0.00	0.20	0.01	0.20	0.01	0.01	0.01		160.93		0.01		161.13
Total	**0.08**	**0.09**	**1.09**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**160.93**		**0.01**		**161.13**

3.6 Building Construction1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.26	20.04	14.46	0.02		1.52	1.52		1.52	1.52		2,183.47		0.29		2,189.61
Total	**3.26**	**20.04**	**14.46**	**0.02**		**1.52**	**1.52**		**1.52**	**1.52**		**2,183.47**		**0.29**		**2,189.61**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.07	0.02	0.09	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.28	0.00	0.29	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.35**	**0.02**	**0.38**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.01	11.36	14.31	0.02		1.06	1.06		1.06	1.06	0.00	2,183.47		0.29		2,189.61
Total	**2.01**	**11.36**	**14.31**	**0.02**		**1.06**	**1.06**		**1.06**	**1.06**	**0.00**	**2,183.47**		**0.29**		**2,189.61**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.07	0.02	0.09	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.28	0.00	0.29	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.35**	**0.02**	**0.38**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

3.6 Building Construction1 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.98	18.59	14.34	0.02		1.37	1.37		1.37	1.37		2,183.46		0.27		2,189.05
Total	**2.98**	**18.59**	**14.34**	**0.02**		**1.37**	**1.37**		**1.37**	**1.37**		**2,183.46**		**0.27**		**2,189.05**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.07	0.02	0.09	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.28	0.01	0.29	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.35**	**0.03**	**0.38**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.01	11.36	14.31	0.02		1.06	1.06		1.06	1.06	0.00	2,183.46		0.27		2,189.05
Total	**2.01**	**11.36**	**14.31**	**0.02**		**1.06**	**1.06**		**1.06**	**1.06**	**0.00**	**2,183.46**		**0.27**		**2,189.05**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.07	0.02	0.09	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.28	0.01	0.29	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.35**	**0.03**	**0.38**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

3.7 Trenching2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23		277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**		**0.23**	**0.23**		**0.23**	**0.23**		**277.89**		**0.04**		**278.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.24	1.47	1.81	0.00		0.15	0.15		0.15	0.15	0.00	277.89		0.04		278.66
Total	**0.24**	**1.47**	**1.81**	**0.00**		**0.15**	**0.15**		**0.15**	**0.15**	**0.00**	**277.89**		**0.04**		**278.66**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.22	0.00	0.04	0.00	0.04	0.00	0.00	0.00		32.19		0.00		32.23
Total	**0.02**	**0.02**	**0.22**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**32.19**		**0.00**		**32.23**

3.8 Building Construction2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.12	26.12	16.89	0.03		1.80	1.80		1.80	1.80		2,817.54		0.37		2,825.31
Total	**4.12**	**26.12**	**16.89**	**0.03**		**1.80**	**1.80**		**1.80**	**1.80**		**2,817.54**		**0.37**		**2,825.31**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.04	0.02	0.06	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.14	0.00	0.15	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.18**	**0.02**	**0.21**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.66	14.69	17.49	0.03		1.29	1.29		1.29	1.29	0.00	2,817.54		0.37		2,825.31
Total	**2.66**	**14.69**	**17.49**	**0.03**		**1.29**	**1.29**		**1.29**	**1.29**	**0.00**	**2,817.54**		**0.37**		**2,825.31**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.70	0.34	0.00	0.04	0.02	0.06	0.00	0.02	0.03		108.44		0.00		108.49
Worker	0.06	0.07	0.80	0.00	0.14	0.00	0.15	0.01	0.00	0.01		118.01		0.01		118.16
Total	**0.12**	**0.77**	**1.14**	**0.00**	**0.18**	**0.02**	**0.21**	**0.01**	**0.02**	**0.04**		**226.45**		**0.01**		**226.65**

NorthHS

Riverside-South Coast County, Summer MITIGATED

3.8 Building Construction2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	24.26	16.67	0.03		1.61	1.61		1.61	1.61		2,817.54		0.34		2,824.64
Total	**3.78**	**24.26**	**16.67**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,817.54**		**0.34**		**2,824.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.04	0.02	0.06	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.14	0.01	0.15	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.18**	**0.03**	**0.21**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.66	14.69	17.49	0.03		1.29	1.29		1.29	1.29	0.00	2,817.54		0.34		2,824.64
Total	**2.66**	**14.69**	**17.49**	**0.03**		**1.29**	**1.29**		**1.29**	**1.29**	**0.00**	**2,817.54**		**0.34**		**2,824.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.64	0.31	0.00	0.04	0.02	0.06	0.00	0.02	0.02		108.54		0.00		108.59
Worker	0.05	0.06	0.73	0.00	0.14	0.01	0.15	0.01	0.01	0.01		115.43		0.01		115.57
Total	**0.10**	**0.70**	**1.04**	**0.00**	**0.18**	**0.03**	**0.21**	**0.01**	**0.03**	**0.03**		**223.97**		**0.01**		**224.16**

3.9 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18		187.46		0.03		188.07
Total	**13.26**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**		**187.46**		**0.03**		**188.07**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.16	0.99	1.22	0.00		0.10	0.10		0.10	0.10	0.00	187.46		0.03		188.07
Total	**13.10**	**0.99**	**1.22**	**0.00**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**187.46**		**0.03**		**188.07**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

3.10 Architectural Coating2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.79					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18		187.46		0.03		188.07
Total	**15.11**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**		**187.46**		**0.03**		**188.07**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.08	0.00	0.08	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

NorthHS

Riverside-South Coast County, Summer MITIGATED

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.79					0.00	0.00		0.00	0.00						0.00
Off-Road	0.16	0.99	1.22	0.00		0.10	0.10		0.10	0.10	0.00	187.46		0.03		188.07
Total	**14.95**	**0.99**	**1.22**	**0.00**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**187.46**		**0.03**		**188.07**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.13	0.00	0.08	0.00	0.08	0.00	0.00	0.00		20.99		0.00		21.01
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**		**20.99**		**0.00**		**21.01**

NorthHS

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
High School	4.515	1000sqft
Other Asphalt Surfaces	22.75	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	10		2.4		
		Precipitation Freq (Days)			
			28		

1.3 User Entered Comments

Project Characteristics -

Land Use - total acreage disturbed = 8.87 acres

Construction Phase - Construction phasing and equipment provided by the District.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - Construction equipment and phasing provided by the District (pool construction is defualt minus the crane)

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Off-road Equipment - construction phasing and equipment provided by the District.CARB Staff concluded that load factors in OFFROAD are 33% too high.

Grading -

Demolition -

Trips and VMT - Note bug in CalEEMod in the Phasing that causes repeat of rows for some complex phased projects. Deleted duplicate/triplicate trips.

Architectural Coating - CalEEMod bug - duplicate phasing. VOC content of the paint has been adjusted because CalEEMod treats some types of pavement as paintable surfaces.

Vehicle Trips - The project generates a net increase of 1,590 trips.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Vechicle Emission Factors - Assumes a passenger vehicle fleet mix and some buses to account for teams.

Water And Wastewater - No increase in water. Reduction from turf.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403.

NorthHS

Riverside-South Coast County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	11.67	72.04	48.78	0.08	10.50	5.51	12.95	3.34	5.51	5.80	0.00	7,548.50	0.00	1.05	0.00	7,570.49
2013	20.25	46.30	34.41	0.06	0.56	3.21	3.77	0.02	3.21	3.23	0.00	5,627.79	0.00	0.65	0.00	5,641.47
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2012	11.67	72.04	48.78	0.08	5.73	5.51	8.18	1.45	5.51	5.53	0.00	7,548.50	0.00	1.05	0.00	7,570.49
2013	20.25	46.30	34.41	0.06	0.56	3.21	3.77	0.02	3.21	3.23	0.00	5,627.79	0.00	0.65	0.00	5,641.47
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Mobile	5.79	10.86	66.90	0.10	13.76	0.57	14.33	0.45	0.57	1.02		10,229.97		0.41		10,238.53
Total	**6.50**	**10.87**	**66.91**	**0.10**	**13.76**	**0.57**	**14.33**	**0.45**	**0.57**	**1.02**		**10,243.26**		**0.41**	**0.00**	**10,251.90**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Energy	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Mobile	5.79	10.86	66.90	0.10	13.76	0.57	14.33	0.45	0.57	1.02		10,229.97		0.41		10,238.53
Total	**6.50**	**10.87**	**66.91**	**0.10**	**13.76**	**0.57**	**14.33**	**0.45**	**0.57**	**1.02**		**10,243.26**		**0.41**	**0.00**	**10,251.90**

NorthHS

Riverside-South Coast County, Winter

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.78	0.00	1.78	0.00	0.00	0.00						0.00
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23		277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**	**1.78**	**0.23**	**2.01**	**0.00**	**0.23**	**0.23**		**277.89**		**0.04**		**278.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.40	4.96	2.19	0.01	1.93	0.19	2.12	0.02	0.19	0.22		667.94		0.02		668.34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.19	0.00	0.04	0.00	0.04	0.00	0.00	0.00		28.65		0.00		28.69
Total	**0.42**	**4.98**	**2.38**	**0.01**	**1.97**	**0.19**	**2.16**	**0.02**	**0.19**	**0.22**		**696.59**		**0.02**		**697.03**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.76	0.00	0.76	0.00	0.00	0.00						0.00
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23	0.00	277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**	**0.76**	**0.23**	**0.99**	**0.00**	**0.23**	**0.23**	**0.00**	**277.89**		**0.04**		**278.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.40	4.96	2.19	0.01	1.93	0.19	2.12	0.02	0.19	0.22		667.94		0.02		668.34
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.19	0.00	0.04	0.00	0.04	0.00	0.00	0.00		28.65		0.00		28.69
Total	**0.42**	**4.98**	**2.38**	**0.01**	**1.97**	**0.19**	**2.16**	**0.02**	**0.19**	**0.22**		**696.59**		**0.02**		**697.03**

NorthHS

Riverside-South Coast County, Winter

3.3 Grading - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.55	0.00	6.55	3.31	0.00	3.31						0.00
Off-Road	4.55	35.03	21.48	0.03		2.02	2.02		2.02	2.02		3,530.20		0.41		3,538.75
Total	**4.55**	**35.03**	**21.48**	**0.03**	**6.55**	**2.02**	**8.57**	**3.31**	**2.02**	**5.33**		**3,530.20**		**0.41**		**3,538.75**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.10	0.96	0.00	0.20	0.01	0.20	0.01	0.01	0.01		143.25		0.01		143.44
Total	**0.08**	**0.10**	**0.96**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**143.25**		**0.01**		**143.44**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.80	0.00	2.80	1.42	0.00	1.42						0.00
Off-Road	4.55	35.03	21.48	0.03		2.02	2.02		2.02	2.02	0.00	3,530.20		0.41		3,538.75
Total	**4.55**	**35.03**	**21.48**	**0.03**	**2.80**	**2.02**	**4.82**	**1.42**	**2.02**	**3.44**	**0.00**	**3,530.20**		**0.41**		**3,538.75**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.10	0.96	0.00	0.20	0.01	0.20	0.01	0.01	0.01		143.25		0.01		143.44
Total	**0.08**	**0.10**	**0.96**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**143.25**		**0.01**		**143.44**

3.4 Trenching1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.69	5.12	3.55	0.01		0.30	0.30		0.30	0.30		597.43		0.06		598.71
Total	**0.69**	**5.12**	**3.55**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**		**597.43**		**0.06**		**598.71**

NorthHS

Riverside-South Coast County, Winter

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.19	0.00	0.04	0.00	0.04	0.00	0.00	0.00		28.65		0.00		28.69
Total	**0.02**	**0.02**	**0.19**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**28.65**		**0.00**		**28.69**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.69	5.12	3.55	0.01		0.30	0.30		0.30	0.30	0.00	597.43		0.06		598.71
Total	**0.69**	**5.12**	**3.55**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**	**0.00**	**597.43**		**0.06**		**598.71**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.19	0.00	0.04	0.00	0.04	0.00	0.00	0.00		28.65		0.00		28.69
Total	**0.02**	**0.02**	**0.19**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**28.65**		**0.00**		**28.69**

3.5 Paving - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.98	24.16	14.30	0.02		2.12	2.12		2.12	2.12		1,979.14		0.36		1,986.64
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.99**	**24.16**	**14.30**	**0.02**		**2.12**	**2.12**		**2.12**	**2.12**		**1,979.14**		**0.36**		**1,986.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.10	0.96	0.00	0.20	0.01	0.20	0.01	0.01	0.01		143.25		0.01		143.44
Total	**0.08**	**0.10**	**0.96**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**143.25**		**0.01**		**143.44**

NorthHS

Riverside-South Coast County, Winter

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.98	24.16	14.30	0.02		2.12	2.12		2.12	2.12	0.00	1,979.14		0.36		1,986.64
Paving	0.01					0.00	0.00		0.00	0.00						0.00
Total	**3.99**	**24.16**	**14.30**	**0.02**		**2.12**	**2.12**		**2.12**	**2.12**	**0.00**	**1,979.14**		**0.36**		**1,986.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.08	0.10	0.96	0.00	0.20	0.01	0.20	0.01	0.01	0.01		143.25		0.01		143.44
Total	**0.08**	**0.10**	**0.96**	**0.00**	**0.20**	**0.01**	**0.20**	**0.01**	**0.01**	**0.01**		**143.25**		**0.01**		**143.44**

3.6 Building Construction1 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.26	20.04	14.46	0.02		1.52	1.52		1.52	1.52		2,183.47		0.29		2,189.61
Total	**3.26**	**20.04**	**14.46**	**0.02**		**1.52**	**1.52**		**1.52**	**1.52**		**2,183.47**		**0.29**		**2,189.61**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.73	0.38	0.00	0.07	0.02	0.09	0.00	0.02	0.03		107.50		0.00		107.56
Worker	0.06	0.08	0.70	0.00	0.28	0.00	0.29	0.01	0.00	0.01		105.05		0.01		105.19
Total	**0.12**	**0.81**	**1.08**	**0.00**	**0.35**	**0.02**	**0.38**	**0.01**	**0.02**	**0.04**		**212.55**		**0.01**		**212.75**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.26	20.04	14.46	0.02		1.52	1.52		1.52	1.52	0.00	2,183.47		0.29		2,189.61
Total	**3.26**	**20.04**	**14.46**	**0.02**		**1.52**	**1.52**		**1.52**	**1.52**	**0.00**	**2,183.47**		**0.29**		**2,189.61**

NorthHS

Riverside-South Coast County, Winter

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.73	0.38	0.00	0.07	0.02	0.09	0.00	0.02	0.03		107.50		0.00		107.56
Worker	0.06	0.08	0.70	0.00	0.28	0.00	0.29	0.01	0.00	0.01		105.05		0.01		105.19
Total	**0.12**	**0.81**	**1.08**	**0.00**	**0.35**	**0.02**	**0.38**	**0.01**	**0.02**	**0.04**		**212.55**		**0.01**		**212.75**

3.6 Building Construction1 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.98	18.59	14.34	0.02		1.37	1.37		1.37	1.37		2,183.46		0.27		2,189.05
Total	**2.98**	**18.59**	**14.34**	**0.02**		**1.37**	**1.37**		**1.37**	**1.37**		**2,183.46**		**0.27**		**2,189.05**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.66	0.36	0.00	0.07	0.02	0.09	0.00	0.02	0.02		107.59		0.00		107.65
Worker	0.05	0.07	0.64	0.00	0.28	0.01	0.29	0.01	0.01	0.01		102.73		0.01		102.86
Total	**0.10**	**0.73**	**1.00**	**0.00**	**0.35**	**0.03**	**0.38**	**0.01**	**0.03**	**0.03**		**210.32**		**0.01**		**210.51**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.98	18.59	14.34	0.02		1.37	1.37		1.37	1.37	0.00	2,183.46		0.27		2,189.05
Total	**2.98**	**18.59**	**14.34**	**0.02**		**1.37**	**1.37**		**1.37**	**1.37**	**0.00**	**2,183.46**		**0.27**		**2,189.05**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.66	0.36	0.00	0.07	0.02	0.09	0.00	0.02	0.02		107.59		0.00		107.65
Worker	0.05	0.07	0.64	0.00	0.28	0.01	0.29	0.01	0.01	0.01		102.73		0.01		102.86
Total	**0.10**	**0.73**	**1.00**	**0.00**	**0.35**	**0.03**	**0.38**	**0.01**	**0.03**	**0.03**		**210.32**		**0.01**		**210.51**

NorthHS

Riverside-South Coast County, Winter

3.7 Trenching2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23		277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**		**0.23**	**0.23**		**0.23**	**0.23**		**277.89**		**0.04**		**278.66**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.19	0.00	0.04	0.00	0.04	0.00	0.00	0.00		28.65		0.00		28.69
Total	**0.02**	**0.02**	**0.19**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**28.65**		**0.00**		**28.69**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.41	2.64	1.91	0.00		0.23	0.23		0.23	0.23	0.00	277.89		0.04		278.66
Total	**0.41**	**2.64**	**1.91**	**0.00**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**277.89**		**0.04**		**278.66**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.02	0.02	0.19	0.00	0.04	0.00	0.04	0.00	0.00	0.00		28.65		0.00		28.69
Total	**0.02**	**0.02**	**0.19**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**		**28.65**		**0.00**		**28.69**

3.8 Building Construction2 - 2012

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.12	26.12	16.89	0.03		1.80	1.80		1.80	1.80		2,817.54		0.37		2,825.31
Total	**4.12**	**26.12**	**16.89**	**0.03**		**1.80**	**1.80**		**1.80**	**1.80**		**2,817.54**		**0.37**		**2,825.31**

NorthHS

Riverside-South Coast County, Winter

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.73	0.38	0.00	0.04	0.02	0.06	0.00	0.02	0.03		107.50		0.00		107.56
Worker	0.06	0.08	0.70	0.00	0.14	0.00	0.15	0.01	0.00	0.01		105.05		0.01		105.19
Total	**0.12**	**0.81**	**1.08**	**0.00**	**0.18**	**0.02**	**0.21**	**0.01**	**0.02**	**0.04**		**212.55**		**0.01**		**212.75**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.12	26.12	16.89	0.03		1.80	1.80		1.80	1.80	0.00	2,817.54		0.37		2,825.31
Total	**4.12**	**26.12**	**16.89**	**0.03**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**2,817.54**		**0.37**		**2,825.31**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.06	0.73	0.38	0.00	0.04	0.02	0.06	0.00	0.02	0.03		107.50		0.00		107.56
Worker	0.06	0.08	0.70	0.00	0.14	0.00	0.15	0.01	0.00	0.01		105.05		0.01		105.19
Total	**0.12**	**0.81**	**1.08**	**0.00**	**0.18**	**0.02**	**0.21**	**0.01**	**0.02**	**0.04**		**212.55**		**0.01**		**212.75**

3.8 Building Construction2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	24.26	16.67	0.03		1.61	1.61		1.61	1.61		2,817.54		0.34		2,824.64
Total	**3.78**	**24.26**	**16.67**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**		**2,817.54**		**0.34**		**2,824.64**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.66	0.36	0.00	0.04	0.02	0.06	0.00	0.02	0.02		107.59		0.00		107.65
Worker	0.05	0.07	0.64	0.00	0.14	0.01	0.15	0.01	0.01	0.01		102.73		0.01		102.86
Total	**0.10**	**0.73**	**1.00**	**0.00**	**0.18**	**0.03**	**0.21**	**0.01**	**0.03**	**0.03**		**210.32**		**0.01**		**210.51**

NorthHS

Riverside-South Coast County, Winter

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.78	24.26	16.67	0.03		1.61	1.61		1.61	1.61	0.00	2,817.54		0.34		2,824.64
Total	**3.78**	**24.26**	**16.67**	**0.03**		**1.61**	**1.61**		**1.61**	**1.61**	**0.00**	**2,817.54**		**0.34**		**2,824.64**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.05	0.66	0.36	0.00	0.04	0.02	0.06	0.00	0.02	0.02		107.59		0.00		107.65
Worker	0.05	0.07	0.64	0.00	0.14	0.01	0.15	0.01	0.01	0.01		102.73		0.01		102.86
Total	**0.10**	**0.73**	**1.00**	**0.00**	**0.18**	**0.03**	**0.21**	**0.01**	**0.03**	**0.03**		**210.32**		**0.01**		**210.51**

3.9 Architectural Coating - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18		187.46		0.03		188.07
Total	**13.26**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**		**187.46**		**0.03**		**188.07**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00		18.68		0.00		18.70
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**18.68**		**0.00**		**18.70**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.94					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18	0.00	187.46		0.03		188.07
Total	**13.26**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**187.46**		**0.03**		**188.07**

NorthHS

Riverside-South Coast County, Winter

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.03	0.00	0.03	0.00	0.00	0.00		18.68		0.00		18.70
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**		**18.68**		**0.00**		**18.70**

3.10 Architectural Coating2 - 2013

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.79					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18		187.46		0.03		188.07
Total	**15.11**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**		**187.46**		**0.03**		**188.07**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.08	0.00	0.08	0.00	0.00	0.00		18.68		0.00		18.70
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**		**18.68**		**0.00**		**18.70**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.79					0.00	0.00		0.00	0.00						0.00
Off-Road	0.32	1.97	1.29	0.00		0.18	0.18		0.18	0.18	0.00	187.46		0.03		188.07
Total	**15.11**	**1.97**	**1.29**	**0.00**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**187.46**		**0.03**		**188.07**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00		0.00
Worker	0.01	0.01	0.12	0.00	0.08	0.00	0.08	0.00	0.00	0.00		18.68		0.00		18.70
Total	**0.01**	**0.01**	**0.12**	**0.00**	**0.08**	**0.00**	**0.08**	**0.00**	**0.00**	**0.00**		**18.68**		**0.00**		**18.70**

NorthHS

Riverside-South Coast County, Winter

4.0 Mobile Detail

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.79	10.86	66.90	0.10	13.76	0.57	14.33	0.45	0.57	1.02		10,229.97		0.41		10,238.53
Unmitigated	5.79	10.86	66.90	0.10	13.76	0.57	14.33	0.45	0.57	1.02		10,229.97		0.41		10,238.53
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	1,590.00	0.00	594,696	594,696
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	1,590.00	0.00	594,696	594,696

4.3 Trip Type Information

	Miles			Trip %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW
High School	9.50	7.30	7.30	77.80	17.20	5.00
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
NaturalGas Unmitigated	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

NorthHS

Riverside-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
High School	112.937	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.00**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**13.29**		**0.00**	**0.00**	**13.37**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU	lb/day										lb/day					
High School	0.112937	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		13.29		0.00	0.00	13.37
Other Asphalt Surfaces	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Total		**0.00**	**0.01**	**0.01**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**13.29**		**0.00**	**0.00**	**13.37**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Unmitigated	0.71	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.54					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**0.71**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

NorthHS

Riverside-South Coast County, Winter

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.17					0.00	0.00		0.00	0.00						0.00
Consumer Products	0.54					0.00	0.00		0.00	0.00						0.00
Landscaping	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00		0.00
Total	**0.71**	**0.00**	**0.00**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**		**0.00**		**0.00**		**0.00**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

GHG Summary

	2013 MTons/Year	Percent of Increase
Area	0	0%
Energy	14	5%
Mobile	250	88%
Waste	3	1%
Water	0	0%
Amortized Construction Emissions	18	6%
Total All Sectors	285	1

Total construction emissions are amortized over 30 years.

CalEEMod Bug Correction for Architectural Coatings

CalEEMod treats some types of pavement as paintable surfaces with a building interior and exterior. To correct for this bug in CalEEMod the VOC content of the paint has been adjusted because the total exterior and interior building area that is painted cannot be modified at this time.

Nonresidential

40,898	Interior in CalEEMod
13,633	Exterior in CalEEMod
	CalEEMod assumes total surface for painting for non-residential structures is 2 times the floor square footage and 2.7 times for
54,531	residential.

Building	4,515	sqft	2	9,030	sqft paintable surfaces
Pavement	22,750	sqft	2	45,500	sqft paintable surfaces
				54,530	
	percent reduction needed for correction			83%	
Default VOC content	250	g/L	correction:	41	g/L

CONSTRUCTION AND OPERATIONAL PHASE ASSUMPTIONS
John W. North High School - 1550 3rd Street in the City of Riverside

Campus	36.5	acres		
Project site	8.87	acres	8.3	minus courts
Student Enrollment	2,517	students		
			Home	Visitor
Existing Stadium	750	seats	750	
Proposed Stadium	3,400	seats	2,100	1,300
	2,650	increase		
Trips	1,590	net increase		
	352.159			
Existing Pool	200	seats		
Proposed Pool (30X25)	200	seats		

New buildings	4,515	square feet		
Greenining	Turf			
New tennis	11,500	sqft	total sqft	22,750
New basketball	11,250	sqft	acres	0.5

Construction: Summer 2012 through Summer 2013
Equipment list and phasing provided by the District.

Hardcourts (basketball and tennis)	overlap with hardcourts			
Grading	default equip.	default		
Paving	default equip.	6-8 months		
Aquatic Center	overlap with hardcourts			
demo	backhoe w/ hammer	2 weeks	18,000	sqft
trenching	excavator	4 weeks		
construction	default equip. (minus crane)	6 months		
coating	default equip.	default		
Football stadium	(3 months after the aquatic center and hardcourts)			
trenching	backhoe loader	2 months		
construction (score)	crane w/ auger	2 weeks		
construction (bleacher)	forklift, telehandler	3 weeks		
construction	default equip.	default		
coating	default equip.	default		

	trips worker/day	vendor/day	haul total	haul/day
Demo	3	0	82	8.2
grading	15	0	0	
trenching 1	3	0	0	
paving	15	0	0	
building 1	11	4	0	
trenching 2	3	0	0	
Building 2	11	4	0	
coating	2	0	0	
coating 2	2	0	0	

CalEEMod Modifications to Construction Defaults

Defaults			Original	Modified
	Demolition	5 Days/Week	20	20
	Site Preparation	5 Days/Week	10	0
	Grading	5 Days/Week	20	20
	Building Construction	5 Days/Week	230	230
	Paving	5 Days/Week	20	20
	Architectural Coating	5 Days/Week	20	20
		Total Days	320	310
Project Construction Schedule = 15 months		Days		264

Calibrated for construction schedule with overlap of building, paving, and coating

	Demolition (pool)	1		applicant	2 weeks	10
	Site Preparation			removed		0
	Trenching (pool)	2		applicant	4 weeks	22
.+3	Trenching (stadium drainage)		1	applicant	2 months	44
	Grading (basketball)	1		default calibrated		17
	Building Construction (pool)	3		applicant	6 months	132
.+3	Building Construction (stadium)		2	applicant	7 months	154
	Paving (basketball then tennis)	2		applicant	6-8 months	132
.+3	Architectural Coating	4	3	default calibrated		17
						528
		June 2011 - August 2013			months	24

Changes to the CalEEMod Defaults - Fleet Mix

Default	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH	
FleetMix	0.4594	0.10379	0.23105	0.12162	0.02132	0.00591	0.01101	0.02759	0.00057	0.00069	0.01167	0.00109	0.00429	1
Calibrated	0.4594	0.10379	0.23105									0.015		0.80925
Modified	0.56769	0.12826	0.28552	0	0	0	0	0	0	0	0	0.01854	0	1
	483	109	243	0	0	0	0	0	0	0	0	16	0	851

Assumes a passenger vehicle fleet mix and some buses to account for teams.

CalEEMod Modifications to Construction Defaults - Load Factors

Source: California Air Resources Board (CARB). 2010, September. Workshops on Information Regarding the Off-Road, Truck and Bus, Drayage Truck Regulations.

CARB Staff concluded that load factors in OFFROAD are 33% too high. CalEEMod based on OFFROAD2007.

Default Equipment Mix

PhaseName	OffRoadEquipmentType	OffRoadEquipmentUnitAmount	UsageHours	HorsePower	LoadFactor	Modified Load Factor
Demolition	Concrete/Industrial Saws	0	8	81	0.73	0.49
Demolition	Excavators	0	8	157	0.57	0.38
Demolition	Rubber Tired Dozers	0	8	358	0.59	0.40
Demolition	Tractors/Loaders/Backhoes	1	8	75	0.55	0.37
Grading	Excavators	1	8	157	0.57	0.38
Grading	Graders	1	8	162	0.61	0.41
Grading	Rubber Tired Dozers	1	8	358	0.59	0.40
Grading	Tractors/Loaders/Backhoes	3	8	75	0.55	0.37
Trenching1	Excavators	1	8	157	0.57	0.38
Paving	Pavers	2	8	89	0.62	0.42
Paving	Paving Equipment	2	8	82	0.53	0.36
Paving	Rollers	2	8	84	0.56	0.38
Building Construction1	Cranes	0	7	208	0.43	0.29
Building Construction1	Forklifts	3	8	149	0.3	0.20
Building Construction1	Generator Sets	1	8	84	0.74	0.50
Building Construction1	Tractors/Loaders/Backhoes	3	7	75	0.55	0.37
Building Construction1	Welders	1	8	46	0.45	0.30
Trenching2	Tractors/Loaders/Backhoes	1	8	75	0.55	0.37
Building Construction2	Aerial Lifts	1	8	34	0.46	0.31
Building Construction2	Cranes	1	7	208	0.43	0.29
Building Construction2	Forklifts	3	8	149	0.3	0.20
Building Construction2	Generator Sets	1	8	84	0.74	0.50
Building Construction2	Tractors/Loaders/Backhoes	3	7	75	0.55	0.37
Building Construction2	Welders	1	8	46	0.45	0.30
Architectural Coating	Air Compressors	1	6	78	0.48	0.32
Architectural Coating2	Air Compressors	1	6	78	0.48	0.32

Construction Localized Significance Thresholds - North High School

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
23	2.50	25	82

Source Receptor	Metropolitan Riverside County
Distance (meters)	25
NOx	**187**
CO	**999**
PM10	**8.0**
PM2.5	**4.7**

Equipment	Acres/8-hr Day	Equipment Used	Acres
Tractors	0.5	3	1.5
Graders	0.5	1	0.5
Dozers	0.5	1	0.5
Scrapers	1		0
		Acres	2.50

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	2	170	200	264	379	684
	3	203	234	302	415	716
		187	217	283	397	700
CO	2	883	1262	2232	5136	18947
	3	1114	1567	2634	4711	20141
		999	1415	2433	4923	19544
PM10	2	7	20	38	75	186
	3	9	27	45	82	193
		8	23	42	79	190
PM2.5	2	4	6	10	23	91
	3	5	7	12	26	96
		5	7	11	24	93

Metropolitan Riverside County

2.50 Acres

	25	**50**	**100**	**200**	**500**
NOx	187	217	283	397	700
CO	999	1415	2433	4923	19544
PM10	8	23	42	79	190
PM2.5	5	7	11	24	93

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
23	2	23	3
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

NOx to NO2 Conversion

Source: SCAQMD 2003. South Coast Air Quality Management District. 2003, June (Revised July 2008). Final Localized Significance Methodology.

The two principle NOx species are NO and NO2 with the vast majority (95 percent) of NOx emissions being NO. Adverse health effects are associated with NO2 and not NO.

Table 2-4: NO2-to-NOx Ratios as a Function of Downwind Distance

Downwind Distance (Meters)	NO2/NOx Ratio
20	0.053
50	0.059
70	0.064
100	0.074
200	0.114
500	0.258
1000	0.467
2000	0.75
3000	0.9
4000	0.978
5000	1

Interpolated for within 25 Meters:

25	0.054	
Demolition		
NOx from CalEEMod:	27.6	lbs/day
NOx to NO2:	1.5	lbs/day
Demolition 2		
NOx from CalEEMod:	27.6	lbs/day
NOx to NO2:	1.5	lbs/day
Building		
NOx from CalEEMod:	18.81	lbs/day
NOx to NO2:	1.0	lbs/day
Building		
NOx from CalEEMod:	16.67	lbs/day
NOx to NO2:	0.9	lbs/day
Paving		
NOx from CalEEMod:	12.56	lbs/day
NOx to NO2:	0.7	lbs/day
Coating		
NOx from CalEEMod:	1.97	lbs/day
NOx to NO2:	0.1	lbs/day
2013 overlap		
NOx from CalEEMod:	30.16	lbs/day
NOx to NO2:	1.6	lbs/day

LST Worksheet

Demolition (pool) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Fugitive Dust			0.76	0
Off-Road	2.64	1.91	0.23	0.23
Total	2.64	1.91	0.99	0.23
NOx to NO2 conversion	**0.1**			
Grading (basketball) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Fugitive Dust			2.8	1.42
Off-Road	35.03	21.48	2.02	2.02
Total	35.03	21.48	4.82	3.44
NOx to NO2 conversion	**1.9**			
Overlap Pool Demo & Basketball Grading				
	37.7	**23.4**	**5.8**	**3.7**
NOx to NO2 conversion	**2.0**			
Trenching (pool) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	5.12	3.55	0.3	0.3
Total	5.12	3.55	0.3	0.3
NOx to NO2 conversion	**0.3**			
Overlap Pool Trenching & Basketball Grading				
	40.2	**25.0**	**5.1**	**3.7**
NOx to NO2 conversion	**2.2**			
Paving (basketball) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	24.16	14.3	2.12	2.12
Paving			0	0
Total	**24.2**	14.3	2.12	2.12
NOx to NO2 conversion	**1.3**			
Overlap Pool Trenching & Basketball/Tennis Paving				
	29.3	**17.9**	**2.4**	**2.4**
NOx to NO2 conversion	**1.6**			
Construction (pool) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	20.04	14.46	1.52	1.52
Total	20.04	14.46	1.52	1.52
NOx to NO2 conversion	**1.1**			
Overlap Pool Building & Basketball/Tennis Paving				
	44.2	**28.8**	**3.6**	**3.6**
NOx to NO2 conversion	**2.4**			
Construction (pool) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	18.59	14.34	1.37	1.37
Total	18.59	14.34	1.37	1.37
NOx to NO2 conversion	**1.0**			
Trenching (Stadium/irrigation) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	2.64	1.91	0.23	0.23
Total	2.64	1.91	0.23	0.23
NOx to NO2 conversion	**0.1**			
Overlap Pool Building & Basketball/Tennis Paving & Stadium Trenching				
	46.8	**30.7**	**3.9**	**3.9**
NOx to NO2 conversion	**2.5**			

Construction (stadium) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	26.12	16.89	1.8	1.8
Total	26.12	16.89	1.8	1.8
NOx to NO2 conversion	**1.4**			
Overlap Pool Building & Basketball/Tennis Paving & Stadium Building				
	70.3	**45.7**	**5.4**	**5.4**
NOx to NO2 conversion	**3.8**			
Construction (stadium) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	24.26	16.67	1.61	1.61
Total	24.26	16.67	1.61	1.61
NOx to NO2 conversion	**1.3**			
Coatings (pool) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Archit. Coating			0	0
Off-Road	1.97	1.29	0.18	0.18
Total	**2.0**	1.29	0.18	0.18
NOx to NO2 conversion	**0.1**			
Overlap Pool Building & Pool Coating & Stadium Building				
	44.8	**32.3**	**3.2**	**3.2**
NOx to NO2 conversion	**2.4**			
Coatings (stadium) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Archit. Coating			0	0
Off-Road	1.97	1.29	0.18	0.18
Total	**2.0**	1.29	0.18	0.18
NOx to NO2 conversion	**0.1**			
Overlap Stadium Building & Stadium Coating				
	26.2	**18.0**	**1.8**	**1.8**
NOx to NO2 conversion	**1.4**			
Maximum	70.32	**45.65**	**5.81**	**5.44**
NOx to NO2 conversion	**3.8**			
LST Threshold	187	999	8.00	4.70

LST Mitigated Worksheet

Demolition (pool) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Fugitive Dust			0.76	0
Off-Road	1.47	1.81	0.15	0.15
Total	1.47	1.81	0.91	0.15
NOx to NO2 conversion	**0.1**			
Grading (basketball) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Fugitive Dust			2.8	1.42
Off-Road	16.74	20.21	1.31	1.31
Total	16.74	20.21	4.11	2.73
NOx to NO2 conversion	**0.9**			
Overlap Pool Demo & Basketball Grading				
	18.2	**22.0**	**5.0**	**2.9**
NOx to NO2 conversion	**1.0**			
Trenching (pool) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	2.73	3.89	0.23	0.23
Total	2.73	3.89	0.23	0.23
NOx to NO2 conversion	**0.1**			
Overlap Pool Trenching & Basketball Grading				
	19.5	**24.1**	**4.3**	**3.0**
NOx to NO2 conversion	**1.1**			

Paving (basketball) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	10.45	12.89	1.04	1.04
Paving			0	0
Total	**10.5**	12.89	1.04	1.04
NOx to NO2 conversion	**0.6**			
Overlap Pool Trenching & Basketball/Tennis Paving				
	13.2	**16.8**	**1.3**	**1.3**
NOx to NO2 conversion	**0.7**			
Construction (pool) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	11.36	14.31	1.06	1.06
Total	11.36	14.31	1.06	1.06
NOx to NO2 conversion	**0.6**			
Overlap Pool Building & Basketball/Tennis Paving				
	21.8	**27.2**	**2.1**	**2.1**
NOx to NO2 conversion	**1.2**			
Construction (pool) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	11.36	14.31	1.06	1.06
Total	11.36	14.31	1.06	1.06
NOx to NO2 conversion	**0.6**			
Trenching (Stadium/irrigation) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	1.47	1.81	0.15	0.15
Total	1.47	1.81	0.15	0.15
NOx to NO2 conversion	**0.1**			
Overlap Pool Building & Basketball/Tennis Paving & Stadium Trenching				
	23.3	**29.0**	**2.3**	**2.3**
NOx to NO2 conversion	**1.3**			
Construction (stadium) 2012				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	14.69	17.49	1.29	1.29
Total	14.69	17.49	1.29	1.29
NOx to NO2 conversion	**0.8**			
Overlap Pool Building & Basketball/Tennis Paving & Stadium Building				
	36.5	**44.7**	**3.4**	**3.4**
NOx to NO2 conversion	**2.0**			
Construction (stadium) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Off-Road	14.69	17.49	1.29	1.29
Total	14.69	17.49	1.29	1.29
NOx to NO2 conversion	**0.8**			
Coatings (pool) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Archit. Coating			0	0
Off-Road	0.99	1.22	0.1	0.1
Total	**1.0**	1.22	0.1	0.1
NOx to NO2 conversion	**0.1**			
Overlap Pool Building & Pool Coating & Stadium Building				
	27.0	**33.0**	**2.5**	**2.5**
NOx to NO2 conversion	**1.5**			

Coatings (stadium) 2013				
	NOx	CO	PM10 Total	PM2.5 Total
Category				
Archit. Coating			0	0
Off-Road	0.99	1.22	0.1	0.1
Total	**1.0**	1.22	0.1	0.1
Overlap Stadium Building & Stadium Coating				
	15.7	**18.7**	**1.4**	**1.4**
NOx to NO2 conversion	**0.8**			
Maximum	36.5	**44.69**	**5.02**	**3.39**
NOx to NO2 conversion	**2.0**			
LST Threshold	187	999	8.00	4.70

Operation Localized Significance Thresholds - North High School

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
23	5.00	25	82

Source Receptor **Metropolitan Riverside County**
Distance (meters) 25
NOx **270**
CO **1577**
PM10 **4**
PM2.5 **2**

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	270	302	378	488	780
	5	270	302	378	488	780
		270	302	378	488	780
CO	5	1577	2178	3437	3860	22530
	5	1577	2178	3437	3860	22530
		1577	2178	3437	3860	22530
PM10	5	4	10	14	23	50
	5	4	10	14	23	50
		4	10	14	23	50
PM2.5	5	2	3	4	8	26
	5	2	3	4	8	26
		2	3	4	8	26

Metropolitan Riverside County
5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	270	302	378	488	780
CO	1577	2178	3437	3860	22530
PM10	4	10	14	23	50
PM2.5	2	3	4	8	26

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
23	5	23	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2010 - Table C-1. 2006 – 2008

RIVERSIDE FIRE STN 3, CALIFORNIA (047470)

Period of Record Monthly Climate Summary

Period of Record : 1/ 1/1893 to 6/30/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	66.7	68.3	71.3	75.6	80.0	87.0	94.2	94.4	90.9	82.9	74.5	67.7	79.5
Average Min. Temperature (F)	39.0	41.1	43.2	46.7	51.1	54.8	59.4	59.6	56.1	49.9	42.8	39.2	48.6
Average Total Precipitation (in.)	2.03	2.20	1.85	0.77	0.23	0.05	0.04	0.13	0.19	0.44	0.84	1.47	10.24
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 99.4% Min. Temp.: 99.3% Precipitation: 99.5% Snowfall: 97% Snow Depth: 97%
Check Station Metadata or Metadata graphics for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

RIVERSIDE FIRE STN 3, CALIFORNIA

Period of Record General Climate Summary - Temperature

Station:(047470) RIVERSIDE FIRE STN 3

From Year=1893 To Year=2009

	Monthly Averages			Daily Extremes				Monthly Extremes				Max. Temp.	
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32
	F	F	F	F	dd/yyyy or yyyymmdd	F	dd/yyyy or yyyymmdd	F	-	F	-	# Days	# Da
January	66.7	39.0	52.9	94	08/1923	1	20/1911	62.4	2003	41.9	1949	0.1	0
February	68.3	41.1	54.7	94	25/1921	22	06/2003	62.6	1991	48.3	1949	0.2	0
March	71.3	43.2	57.2	102	10/1916	25	02/1903	63.9	2007	51.1	1935	0.8	0
April	75.6	46.7	61.1	105	06/1989	29	04/1970	68.4	1989	53.2	1967	2.6	0
May	80.0	51.1	65.6	110	29/1984	33	01/1915	74.6	1997	58.9	1953	4.5	0
June	87.0	54.8	70.9	118	16/1917	35	11/1894	78.8	1981	64.9	1894	11.8	0
July	94.2	59.4	76.8	118	17/1925	41	07/1948	86.0	2006	71.5	1903	24.6	0
August	94.4	59.6	77.0	113	24/1926	40	27/1902	84.3	1998	71.0	1902	24.4	0
September	90.9	56.1	73.5	115	06/1955	35	14/1902	82.0	1984	65.0	1933	17.1	0
October	82.9	49.9	66.4	109	01/1980	30	30/1971	73.5	2003	58.1	1916	8.2	0
November	74.5	42.8	58.7	99	02/1924	23	11/1950	64.7	1995	53.0	1931	1.4	0
December	67.7	39.2	53.5	94	03/1958	21	26/1911	59.3	1939	47.2	1948	0.1	0
Annual	79.5	48.6	64.0	118	19170616	1	19110120	67.8	1997	60.6	1902	95.7	0
Winter	67.6	39.8	53.7	94	19210225	1	19110120	57.8	1996	45.8	1949	0.3	0
Spring	75.6	47.0	61.3	110	19840529	25	19030302	67.6	1997	56.7	1953	7.9	0
Summer	91.9	58.0	74.9	118	19170616	35	18940611	79.7	1981	70.6	1905	60.7	0
Fall	82.8	49.6	66.2	115	19550906	23	19501111	71.3	1991	61.2	1893	26.7	0

Table updated on Mar 24, 2011

For monthly and annual means, thresholds, and sums:
Months with 5 or more missing days are not considered
Years with 1 or more missing months are not considered
Seasons are climatological not calendar seasons

Winter = Dec., Jan., and Feb. Spring = Mar., Apr., and May
Summer = Jun., Jul., and Aug. Fall = Sep., Oct., and Nov.

Appendix B.
Cultural Resources Summary Report

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McKenna et al.

History/Archaeology/Architectural History/Ethnography/Paleontology

Jeanette A. McKenna, MA
Registered Prof. Archaeologist
Owner and Principal Investigator

August 16, 2010

THE PLANNING CENTER
Attn: Henry Kaplan
9841 Airport Blvd., Suite 1010
Los Angeles, California 90045-5409

RE: Riverside Unified School District, John W. North High School.

Mr. Kaplan:

In response to your request, McKenna et al. has completed the studies for the John W. North High School Campus and has prepared the attached letter report addressing the improvements proposed for the campus. This study was prepared in support of a Mitigated Negative Declaration (MND). This level of research meets the minimum requirements for a Phase I cultural resources investigation for CEQA compliance. In preparing this abbreviated letter report, some detailed discussions have not been presented.

Please review the attached summary report and inform me of any questions or needs for clarification you may have.

Sincerely,

Jeanette A. McKenna, Principal
McKenna et al.

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A SUMMARY REPORT ON THE PROPOSED IMPROVEMENTS AT THE JOHN W. NORTH HIGH SCHOOL CAMPUS IN THE CITY OF RIVERSIDE, RIVERSIDE COUNTY, CALIFORNIA

- 1550 Third Street, Riverside, CA 92507 –

by:

Jeanette A. McKenna, Principal
McKenna et al., Whittier CA

INTRODUCTION

McKenna et al. initiated cultural resources investigations for the John W. North High School campus at 1550 Third Street, Riverside, California, at the request of The Planning Center, Los Angeles, California. These studies were completed in August, 2010, in support of a Mitigated Negative Declaration. These studies were completed by Jeanette A. McKenna (M.A.) and Kristina Lindgren (B.A.) of McKenna et al. Ms. McKenna is a Registered Professional Archaeologist (RPA) and meets the Secretary of the Interior standards for recognition as a professional cultural resource manager (Attachment 1).

PROJECT DESCRIPTION

The currently proposed project (improvements) at John W. North High School includes the modernization of the existing track, the football field (with the installation of artificial turf), improvements to the basketball and tennis courts, and pool. Proposed structures include a concession stand, restrooms, ticket booth, and covered bleachers. Solar panels will be installed at the pool, bleachers will be constructed at the track, and new lighting and a scoreboard will be added. A new gymnasium will also be constructed.

JOHN W. NORTH HIGH SCHOOL

John W. North High School (Figures 1-3) is located at 1550 Third Street, Riverside, Riverside County, California. The existing campus was established in 1965 and has an enrollment of approximately 2600 students. The school was named for the founder of Riverside, who died at the age of 75 and is buried in Riverside (d. 1890).

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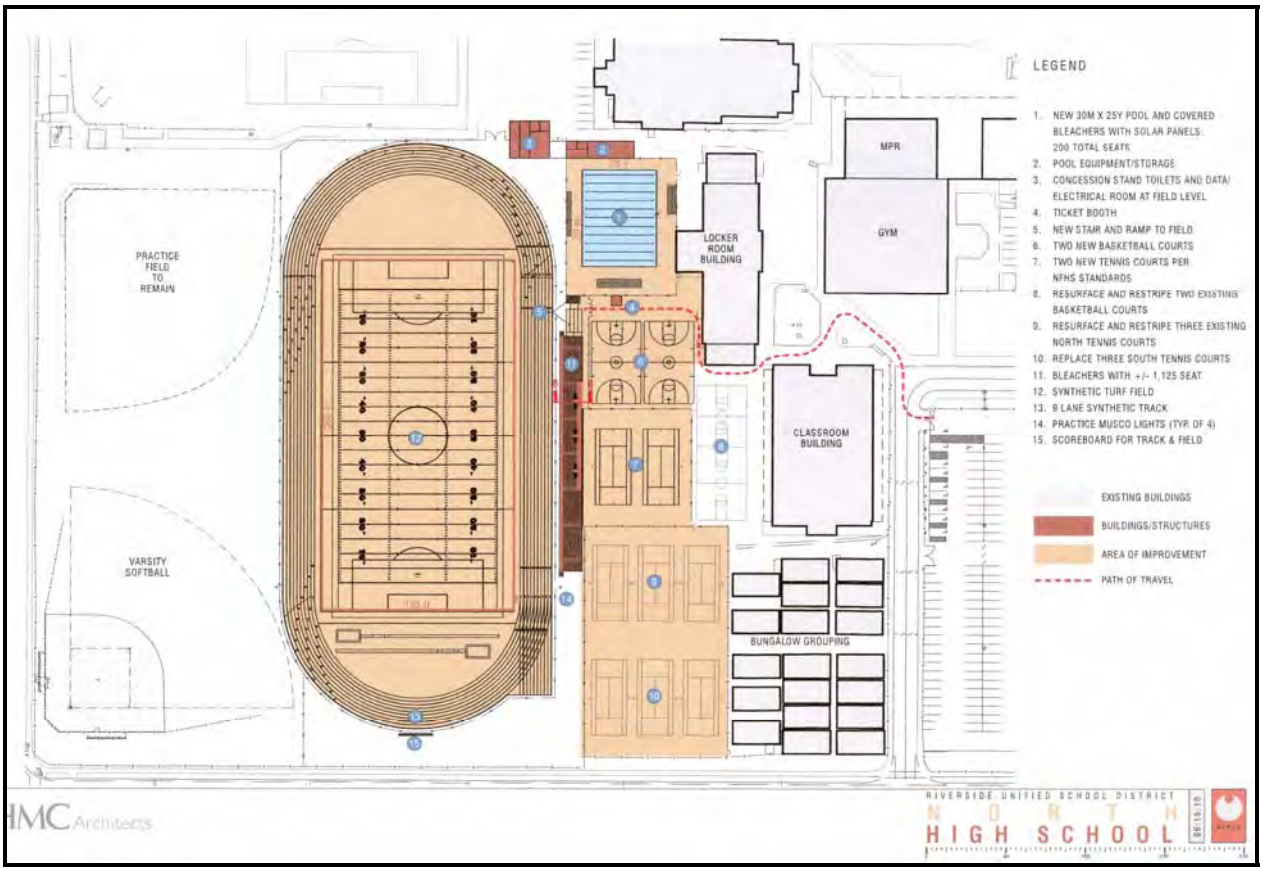

Figure 1. Proposed Improvements, John W. North High School.

The core area of the campus is located in the eastern portion of the campus. The proposed improvements will be completed in the fields to the west of the core complex. The existing campus is 45 years old, rendering it too young for consideration as a significant cultural resource.

PREVIOUS RESEARCH

A standard archaeological records search was completed at the University of California, Riverside, Eastern Information Center. This research resulted in the identification of thirteen studies within a one-half mile radius of the campus (RI-2050, RI-3383, RI-3605, RI-3693, RI-4404, RI-4799, RI-4813, RI-5056, RI-5748, RI-5873, RI-6088, RI-6838, and 7169). None of these studies involved the school site.

As a result of the studies listed above, a total of twenty-seven cultural resources have been identified within one half mile of the project area (Table 1). The majority of these resources were recorded as a result of investigations for a proposed school site southeast of University Avenue and Ottawa Avenue (McKenna 2005).

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Figure 2. Aerial Overview of John W. North High School, Riverside, California.

The Peter Weber Residence at 1510 University Avenue was evaluated and determined to be eligible for listing in the National Register of Historic Places. It has not yet been listed.

A review of historic maps showed the school site was associated with at least three structures (residences) prior to the redevelopment in ca. 1965. These residences were illustrated along the Third Street frontage and Chicago Avenue. There is a potential for historic archaeological resources in these three locations (the upper baseball fields).

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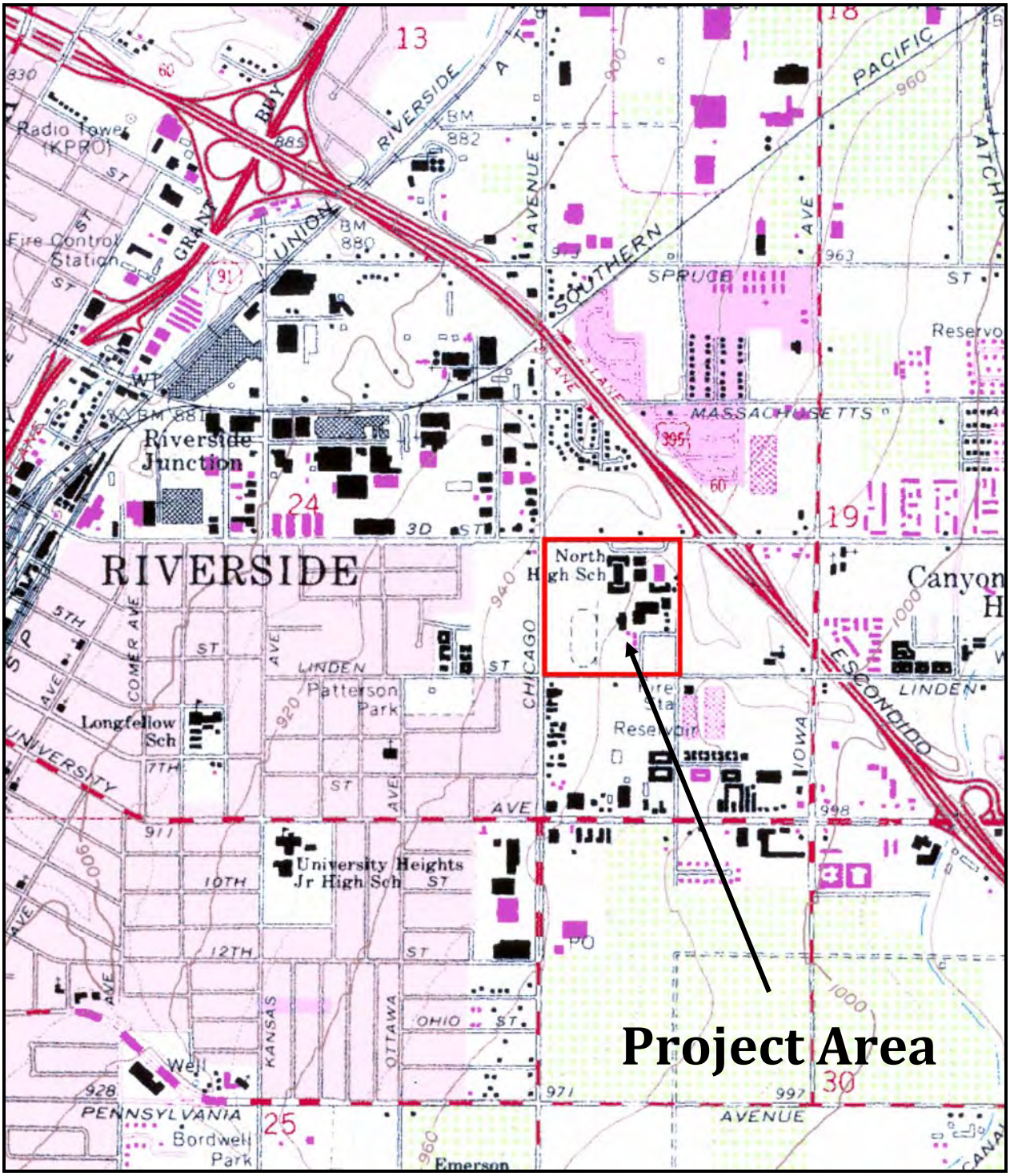

Figure 3. Specific Location of the Project Area.

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Table 1. Resources Identified within One Half Mile of John W. North High School.

Site No.	Citation	Description	Location
33-009691	Kneisel et al. (1985)	Peter Weber House 1510 University Avenue Riverside City Landmark #52	Outside
33-009774	Ashkar (1999)	Southern Pacific Railroad	Outside
33-015155	McKenna (2005)	1886 University Avenue	Outside
33-015156	McKenna (2005)	3870 Ottawa Avenue	Outside
33-015157	McKenna (2005)	1810 University Avenue	Outside
33-015158	McKenna (2005)	3912 Ottawa Avenue	Outside
33-015159	McKenna (2005)	3940 Ottawa Avenue	Outside
33-015160	McKenna (2005)	1878 Ninth Street	Outside
33-015161	McKenna (2005)	1870 Ninth Street	Outside
33-015162	McKenna (2005)	1860 Ninth Street	Outside
33-015163	McKenna (2005)	1842 Ninth Street	Outside
33-015167	McKenna (2005)	1832 Ninth Street	Outside
33-015168	McKenna (2005)	1830 Ninth Street	Outside
33-015169	McKenna (2005)	1822 Ninth Street	Outside
33-015170	McKenna (2005)	1806 Ninth Street	Outside
33-015171	McKenna (2005)	3972 Ottawa Avenue	Outside
33-015172	McKenna (2005)	3982 Ottawa Avenue	Outside
33-015173	McKenna (2005)	1847 Tenth Street	Outside
33-015174	McKenna (2005)	1839 Tenth Street	Outside
33-015175	McKenna (2005)	1831 Tenth Street	Outside
33-015176	McKenna (2005)	1821 Tenth Street	Outside
33-015177	McKenna (2005)	4016-4038 Ottawa Avenue	Outside
33-015178	McKenna (2005)	1886 Tenth Street	Outside
33-015179	McKenna (2005)	1870 Tenth Street	Outside
33-015180	McKenna (2005)	1862 Tenth Street	Outside
33-015181	McKenna (2005)	1854 Tenth Street	Outside
33-015182	McKenna (2005)	1842 Tenth Street	Outside

A review of data provided by the Los Angeles County Museum of Natural History (McLeod 2004 and 2007; on file, McKenna et al.) has identified this general area as consisting of Quaternary alluvial deposits ranging in age from the late Pleistocene to the Holocene (older and younger alluvium). Shallow deposits in this area are not likely to yield evidence of fossil specimens. However, deeper deposits of older Quaternary alluvium may, in fact, yield such evidence. At this time, it is not likely that fossils will be present or identified within the project area, but should significant excavations be needed, care should be taken to protect, recover, and analyze any paleontological specimens that may be uncovered.

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McKenna et al. contacted the Native American Heritage Commission to inquire into the known presence/absence of Native American sacred or religious sites in the area. Results noted no evidence of any such resources and no listings for any such resources. It is unlikely that such resources will be present within the project area. If, however, potentially sacred or religious artifacts are identified within the project area, the Most Likely Descendant (MLD) for the local Native American community must be notified and permitted to consult with respect to the disposition of the resources.

CONCLUSION AND RECOMMENDATIONS

The currently proposed improvements to the John W. North High School campus in the City of Riverside are limited to improvements within the existing sports complex and will not involve any alterations to the existing campus complex. The school was constructed in 1965 and, therefore, is not considered historically significant. McKenna et al. completed these studies in August of 2010 and concluded the only sensitive areas of the campus for cultural resources are along Third Street and Chicago Avenue (the northern baseball fields), where early residences were once present. It is unlikely resources will be identified. However, McKenna et al. recommends the School District be aware of this potential and have an archaeological consultant on-call to assess any cultural resources that may be uncovered as a result of the proposed campus improvements. If evidence of Native American resources is uncovered, a local Native American representative should be consulted to assist in the accurate recordation and recovery of the resource(s). If, at any time, evidence of human remains is identified, the County Coroner must be notified and all protocols followed.

Supplemental information is attached to this letter report. Questions regarding the information provided in this letter report should be directed to the author, Jeanette A. McKenna, at McKenna et al., Whittier, California.

_____ _____

Jeanette A. McKenna, Principal, McKenna et al. Date

ATTACHMENT 1:
Professional Qualifications

JEANETTE A. McKENNA

Owner and Principal Investigator
McKenna et al., Whittier CA

Ms. McKenna specializes in the field of Cultural Resource Management: prehistoric archaeology, historic archaeology, and history. She is a past member of the Board of Directors for the Society of Professional Archaeologists (SOPA 1993-97) and was certified by the Society to conduct both prehistoric and historic archaeological studies. Ms. McKenna was on the Board of Directors for SOPA when the Society established the Registry of Professional Archaeologists (RPA) and has been a Registered Professional Archaeologist since 1998. Ms. McKenna has over 33 years of professional experience as an archaeologist/cultural resource manager and has participated on over 1500 projects. The majority of her work has been conducted as a Field Director, Project Manager, and/or Principal Investigator throughout California and the Greater Southwest.

TECHNICAL CAPABILITIES

- Vast experience in the greater Southwest, Great Basin, and Southern California regions. Familiar with the full range of cultural resource investigations and has completed projects within the public and private sectors, including environmental management firms, planning and engineering firms, and State and federal agencies.
- Active in the discipline of Cultural Resource Management since 1976; over 30 years of professional experience in Southern California, Arizona, and Nevada.
- Particular interest in the desert regions of California and Arizona, with specializations in the Proto-historic and Historic Contact Periods.
- Considerable experience in dealing with prehistoric cultural remains and working directly with Native American groups in archaeological training programs (through Arizona State University and the Southern California Indian Center, Garden Grove).

EDUCATION AND AFFILIATIONS

B.A., Anthropology, 1977, CSU Fullerton
M.A., Anthropology, 1982, CSU Fullerton
Lambda Alpha Lambda Honors Society
Post Graduate Studies, Arizona St. Univ., 1982-85
Post Graduate Studies, UC Riverside, 1991-92
Certification Program: CEQA, Land Use and Environmental Planning, UC Riverside, 1997-98
Society of Professional Archaeologists (SOPA) Certification: Field/ Prehistoric Archaeology and Historical Archaeology (1984 to Present)
Registry of Professional Archaeologists (RPA)
Board of Directors, Society of Professional Archaeologists 1993-1997 (American Society of Conservation Archaeologists Representative)
BLM California Permit
BLM Arizona State Permit
Riverside County Registration No. 161
Arizona State Museum Antiquities Permit (renewable)
Curation Agreement, San Bernardino County Museum AND Arizona State University

SELECTED PROJECT EXPERIENCE

- Historic Architectural Studies for Renovation and Restoration of the Greek Theatre, Los Angeles CA
- Evaluation of Cultural Resources within the Burbank and West Hollywood Redevelopment Project Areas, Los Angeles County, CA
- Historic Property Survey for the City of Whittier, Los Angeles County, CA
- Archaeological Investigations and Resource Evaluations for the Proposed Cajon Pipeline, San Bernardino and Los Angeles Counties, CA
- Archaeological Class I Investigations for the Proposed Mojave Pipeline, San Bernardino County, CA
- Cultural Resources Investigations (Phases I, II, III, and Mitigation Monitoring) for the RIX/SARI Projects, Santa Ana Watershed Project Authority (SAWPA), San Bernardino and Riverside Counties, CA
- Phase I, II, and III Archaeological Investigations for the County Sanitation Districts of Los Angeles County, Puente Hills Landfill Solid Waste Management Facility Expansion Project, Whittier, CA
- Archaeological Mitigation Program, The Phoenix Indian School Track Site Project. Arizona State University Office of Cultural Resource Management and the Bureau of Indian Affairs, Phoenix, AZ
- Archaeological and Testing Program for the Hidden Valley Golf Course and Van Buren Golf Course Properties, Riverside County, CA
- Cultural Resources Overview Studies for the Annexation of Unincorporated County Lands to the City of Ontario, CA
- Historic Property Survey Reports: Warner Bros. Main Lot Ranch Lot Properties, Burbank, CA
- Historic Archaeological Investigations for L.A. County Sheriff's Facility, Lancaster, CA.

ATTACHMENT 2:

Archaeological Records Search

EASTERN INFORMATION CENTER

CALIFORNIA HISTORICAL RESOURCES INFORMATION SYSTEM

Department of Anthropology, University of California, Riverside, CA 92521-0418

(951) 827-5745 - Fax (951) 827-5409 - eickw@ucr.edu

Inyo, Mono, and Riverside Counties

August 10, 2010
EIC-RIV-ST-1053

Jeanette A. McKenna
McKenna et al.
6008 Friends Avenue
Whittier, CA 90601

Re: Cultural Resources Records Search for the North High School Project (McKenna et al Job# 1497)

Dear Ms. McKenna:

We received your request on July 23, 2010 and correct scale map on July 29, 2010, for a cultural resources records search for the North High School project located in Section 19, T.2S, R.4W, SBBM, in the City of Riverside in Riverside County. We have reviewed our site records, maps, and manuscripts against the location map you provided.

Our records indicate that ten cultural resources studies have been conducted within a half-mile radius of your project area. No studies involved the project area. Three additional studies provide overviews of cultural resources in the general project vicinity. All of these reports are listed on the attachment entitled "Eastern Information Center Report Listing" and are available upon request at 15¢/page plus $40/hour.

No cultural resources properties are recorded within the boundaries of the project area. Our records indicate that 27 properties have been recorded within a half-mile radius of the project area. Copies of the records are included for your reference.

The above information is reflected on the enclosed maps. Areas that have been surveyed are highlighted in yellow; slashes highlighted in yellow indicate a non-systematic survey; pencil line slashes indicate a consultant records search report. Numbers marked in blue ink refer to the report number (RI #). Cultural resources properties are marked in red; numbers in black refer to Trinomial designations, those in green to Primary Number designations. National Register properties are indicated in light blue.

Additional sources of information consulted are identified below.

National Register of Historic Places: no listed properties are located within the boundaries of the project area.

Office of Historic Preservation (OHP), Archaeological Determinations of Eligibility (ADOE): no listed properties are located within the boundaries of the project area.

Office of Historic Preservation (OHP), Directory of Properties in the Historic Property Data File (HPD): one property (33-009691 Weber, Peter J., House) is listed as eligible for inclusion on the National Register of Historic Places. The applicable portion of this directory is enclosed for your study needs.

Note: not all properties in the California Historical Resources Information System are listed in the OHP ADOE and HPD; the ADOE and HPD comprise lists of properties submitted to the OHP for review.

Copies of the relevant portions of the 1901 and 1942 USGS Riverside 15' and the 1901 USGS Elsinore 30' topographic maps are included for your reference.

As the Information Center for Riverside County, it is necessary that we receive a copy of all cultural resources reports and site information pertaining to this county in order to maintain our map and manuscript files. Confidential information provided with this records search regarding the location of cultural resources outside the boundaries of your project area should not be included in reports addressing the project area.

Sincerely,

Michael P. Loyd
Information Officer

Enclosures

Eastern Information Center Report Listing

Report No.	Year	Author(s)	Title	Affiliation	Pages	Resources	----- Acreage ----- Survey	Monitoring
RI-02050	1985	PERAULT, GORDON	PRELIMINARY HISTORIC INVENTORY - MARCH AIR FORCE BASE, CALIFORNIA	FIELDS AND SILVERMAN ARCHITECTS	132	0	640.00	0.00
RI-03383	1991	PADON, BETH	HISTORIC PROPERTY CLEARANCE REPORT FOR THE PROPOSED ACQUISITION OF TWO PARCELS IN SOUTHEAST AND SOUTHWEST QUADRANTS OF ROUTE 60/91/215 INTERCHANGE. SUPPLEMENT TO OCTOBER 11, 1991, HISTORIC PROPERTY CLEARANCE REPORT.	LSA ASSOCIATES, INC.	36	2	6.00	0.00
RI-03605	1993	WLODARSKI, ROBERT J.	DRAFT REPORT: AN ARCHAEOLOGICAL SURVEY REPORT DOCUMENTING THE EFFECTS OF THE RCIC I-215 IMPROVEMENT PROJECT IN MORENO VALLEY, RIVERSIDE COUNTY, TO ORANGE SHOW ROAD IN THE CITY OF SAN BERNARDINO, SAN BERNARDINO COUNTY, CALIFORNIA.	HISTORICAL, ENVIRONMENTAL, ARCHAEOLOGICAL RESEARCH TEAM, Calabasas, CA	117	7	~45.73	0.00
RI-03693	1991	FOSTER, JOHN M., JAMES J. SCHMIDT, CARMEN A. WEBER, GWENDOLYN R. ROMANI, and ROBERTA S. GREENWOOD	CULTURAL RESOURCE INVESTIGATION: INLAND FEEDER PROJECT, METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	GREENWOOD & ASSOCIATES	204	10	951.00	0.00
RI-04404	2000	JONES AND STOKES ASSOCIATES, INC.	FINAL CULTURAL RESOURCES INVENTORY REPORT FOR THE WILLIAMS COMMUNICATIONS, INC., FIBER OPTIC CABLE SYSTEM INSTALLATION PROJECT, RIVERSIDE TO SAN DIEGO, CALIFORNIA VOL I-IV.	JONES AND STOKES ASSOCIATES, INC.	252	20	12.00	0.00
RI-04799	2004	WLODARSKI, ROBERT J.	A PHASE I ARCHAEOLOGICAL STUDY FOR TELACU HOUSING-RIVERSIDE, INC., 1807 11TH STREET, CITY OF RIVERSIDE, COUNTY OF RIVERSIDE, CALIFORNIA	HISTORICAL, ENVIRONMENTAL, ARCHAEOLOGICAL, RESEARCH, TEAM	12	0	~5.00	0.00
RI-04813	1993	NATIONAL PARK SERVICE, HAER	CALIFORNIA CITRUS HERITAGE RECORDING PROJECT: PHOTOGRAPHS, WRITTEN HISTORICAL AND DESCRIPTIVE DATA, REDUCED COPIES OF MEASURED DRAWINGS FOR: ARLINGTON HEIGHT CITRUS LANDSCAPE, GAGE IRRIGATION CANAL, NATIONAL ORANGE COMPANY PACKING HOUSE, VICTORIA BRIDGE, AND UNION PACIFIC RAILROAD BRIDGE	NATIONAL PARK SERVICE, HISTORIC AMERICAN ENGINEERING RECORD	307	3	0.00	0.00

Eastern Information Center Report Listing

Report No.	Year	Author(s)	Title	Affiliation	Pages	Resources	Acreage ----- Survey	Acreage ----- Monitoring
RI-05056	2003	MCKENNA ET AL.	A PHASE I CULTURAL RESOURCES INVESTIGATION FOR THE PROPOSED CORONA FEEDER MASTER PLAN PROJECT AREA, RIVERSIDE COUNTY, CALIFORNIA	MCKENNA ET AL	176	4	31.10	0.00
RI-05748	2003	DOAN, UYEN K., MICHAEL HOGAN, and BAI TANG	ARCHAEOLOGICAL SENSITIVITY ASSESSMENT: HUNTER PARK REDEVELOPMENT PLAN AMENDMENT, CITY OF RIVERSIDE, RIVERSIDE COUNTY, CALIFORNIA	CRM TECH	31	6	0.00	0.00
RI-05873	2002	LOVE, BRUCE, BAI TANG, MICHAEL HOGAN, and MARIAM DAHDUL	CULTURAL RESOURCES TECHNICAL REPORT, UCR LONG RANGE DEVELOPMENT PLAN	CRM TECH	28	6	1300.00	0.00
RI-06088	1998	BRICKER, DAVID	FIRST SUPPLEMENTAL HISTORIC PROPERTY SURVEY REPORT FOR THE IMPROVEMENT OF INTERSTATE ROUTE 215/STATE ROUTE 91/ STATE ROUTE 60, RIVERSIDE COUNTY, CA	CALTRANS- DISTRICT 8	124	30	0.00	0.00
RI-06838	2006	McKenna, Jeanette A., Kristina Lindgren, and Darlene Harr	A Phase I Cultural Resources Investigation and Historic Building Survey for the Proposed New Eastside Elementary School Site in Riverside, Riverside County, California	McKenna et al.	201	24	0.00	0.00
RI-07169	2004	Rod McLean	Request for SHPO Review of FCC Undertaking (SB-304-02, 1995 University Avenue, Riverside, CA 92507)	LSA Associates, Inc., Irvine, CA	29	0	~0.25	0.00

California Register of Historical Resources

This listing contains all resources in the selected region that are listed in the California Register of Historical Resources, in addition to other resources that are not presently listed. In order to determine which resources are currently listed in the California Register, refer to the columns labeled CHL# and NRS.

If there is a number listed under CHL# **and** if that number is 770 or higher . . .

OR

If there is a derivative of the rankings 1 **or** 2 under the NRS column . . .

then that resource has automatically been listed in the California Register.

Those resources with a derivative of the rankings 3, 4 and 5 in the NRS column may be eligible for the California Register and should be evaluated against the California Register criteria below to determine if they should be taken into consideration under the California Environmental Quality Act and are therefore subject to environmental review.

California Register Criteria

An historical resource must be significant at the local, state, or national level, under one or more of the following four criteria:

(1) It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;

(2) It is associated with the lives of persons important to local, California, or national history;

(3) It embodies the distinctive characteristics of a type, period, region, or method or construction, or represents the work of a master, or possesses high artistic values; or

(4) It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

California Historical Resource Status Codes

1 Properties listed in the National Register (NR) or the California Register (CR)

1D Contributor to a district or multiple resource property listed in NR by the Keeper. Listed in the CR.
1S Individual property listed in NR by the Keeper. Listed in the CR.

1CD Listed in the CR as a contributor to a district or multiple resource property by the SHRC
1CS Listed in the CR as individual property by the SHRC.
1CL Automatically listed in the California Register – Includes State Historical Landmarks 770 and above and Points of Historical Interest nominated after December 1997 and recommended for listing by the SHRC.

2 Properties determined eligible for listing in the National Register (NR) or the California Register (CR)

2B Determined eligible for NR as an individual property and as a contributor to an eligible district in a federal regulatory process. Listed in the CR.
2D Contributor to a district determined eligible for NR by the Keeper. Listed in the CR.
2D2 Contributor to a district determined eligible for NR by consensus through Section 106 process. Listed in the CR.
2D3 Contributor to a district determined eligible for NR by Part I Tax Certification. Listed in the CR.
2D4 Contributor to a district determined eligible for NR pursuant to Section 106 without review by SHPO. Listed in the CR.
2S Individual property determined eligible for NR by the Keeper. Listed in the CR.
2S2 Individual property determined eligible for NR by a consensus through Section 106 process. Listed in the CR.
2S3 Individual property determined eligible for NR by Part I Tax Certification. Listed in the CR.
2S4 Individual property determined eligible for NR pursuant to Section 106 without review by SHPO. Listed in the CR.

2CB Determined eligible for CR as an individual property and as a contributor to an eligible district by the SHRC.
2CD Contributor to a district determined eligible for listing in the CR by the SHRC.
2CS Individual property determined eligible for listing in the CR by the SHRC.

3 Appears eligible for National Register (NR) or California Register (CR) through Survey Evaluation

3B Appears eligible for NR both individually and as a contributor to a NR eligible district through survey evaluation.
3D Appears eligible for NR as a contributor to a NR eligible district through survey evaluation.
3S Appears eligible for NR as an individual property through survey evaluation.

3CB Appears eligible for CR both individually and as a contributor to a CR eligible district through a survey evaluation.
3CD Appears eligible for CR as a contributor to a CR eligible district through a survey evaluation.
3CS Appears eligible for CR as an individual property through survey evaluation.

4 Appears eligible for National Register (NR) or California Register (CR) through other evaluation

4CM Master List - State Owned Properties – PRC §5024.

5 Properties Recognized as Historically Significant by Local Government

5D1 Contributor to a district that is listed or designated locally.
5D2 Contributor to a district that is eligible for local listing or designation.
5D3 Appears to be a contributor to a district that appears eligible for local listing or designation through survey evaluation.

5S1 Individual property that is listed or designated locally.
5S2 Individual property that is eligible for local listing or designation.
5S3 Appears to be individually eligible for local listing or designation through survey evaluation.

5B Locally significant both individually (listed, eligible, or appears eligible) and as a contributor to a district that is locally listed, designated, determined eligible or appears eligible through survey evaluation.

6 Not Eligible for Listing or Designation as specified

6C Determined ineligible for or removed from California Register by SHRC.
6J Landmarks or Points of Interest found ineligible for designation by SHRC.
6L Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning.
6T Determined ineligible for NR through Part I Tax Certification process.
6U Determined ineligible for NR pursuant to Section 106 without review by SHPO.
6W Removed from NR by the Keeper.
6X Determined ineligible for the NR by SHRC or Keeper.
6Y Determined ineligible for NR by consensus through Section 106 process – Not evaluated for CR or Local Listing.
6Z Found ineligible for NR, CR or Local designation through survey evaluation.

7 Not Evaluated for National Register (NR) or California Register (CR) or Needs Revaluation

7J Received by OHP for evaluation or action but not yet evaluated.
7K Resubmitted to OHP for action but not reevaluated.
7L State Historical Landmarks 1-769 and Points of Historical Interest designated prior to January 1998 – Needs to be reevaluated using current standards.
7M Submitted to OHP but not evaluated - referred to NPS.
7N Needs to be reevaluated (Formerly NR Status Code 4)
7N1 Needs to be reevaluated (Formerly NR SC4) – may become eligible for NR w/restoration or when meets other specific conditions.
7R Identified in Reconnaissance Level Survey: Not evaluated.
7W Submitted to OHP for action – withdrawn.

PROPERTY-NUMBER	PRIMARY-#	STREET.ADDRESS.....	NAMES.....	CITY.NAME.....	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
170610		8622 TREY AVE		RIVERSIDE	P	1942	HIST.SURV.	2517-1981-0000	10/15/07	6Z	
150431		5230 TROTH ST		RIVERSIDE	P	1937	HIST.RES.	DOE-33-04-0027-0000	10/05/04	6Y	
							PROJ.REVW.	HUD04097R	10/05/04	6Y	
163599		4951 TULSA AVE		RIVERSIDE	P	1930	PROJ.REVW.	HUD061030E	10/30/06	6Y	
176641		3881 TWINING ST		RIVERSIDE	P	1944	PROJ.REVW.	HUD090722C	08/17/09	6Y	
163224		4026 TWINING ST		RIVERSIDE	P	1930	PROJ.REVW.	HUD060913D	09/14/06	6Y	
128849		4151 TWINING ST		RIVERSIDE	P	1920	HIST.RES.	DOE-33-01-0016-0000	09/28/01	6Y	
							PROJ.REVW.	HUD010820F	09/28/01	6Y	
082576		5845 TYLER ST		RIVERSIDE	P	1930	PROJ.REVW.	HUD930527B	07/01/93	6Y	
090951		UC RIVERSIDE CAMPUS	CITRUS EXPERIMENT STATION	RIVERSIDE	S	1906	HIST.RES.	SPHI-RIV-028	06/06/69	7L	
132924		1510 UNIVERSITY AVE	WEBER, PETER J., HOUSE	RIVERSIDE	P	1932	HIST.RES.	DOE-33-86-0003-0000	06/19/86	2S	C
132929		1510 UNIVERSITY AVE	WEBER SHED	RIVERSIDE	P		HIST.RES.	DOE-33-86-0004-0000	06/19/86	6Y	
140381		1910 UNIVERSITY AVE		RIVERSIDE	P	1954	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0135-0000	06/05/03	7R	
140382		1911 UNIVERSITY AVE		RIVERSIDE	P	1951	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0136-0000	06/05/03	7R	
140383		1940 UNIVERSITY AVE		RIVERSIDE	P	1965	HIST.SURV.	2517-0137-0000	06/05/03	7R	
140384		1947 UNIVERSITY AVE		RIVERSIDE	P	1991	HIST.SURV.	2517-0138-0000	06/05/03	7R	
140385		1953 UNIVERSITY AVE	TINA'S MEXICAN FOOD	RIVERSIDE	P	1930	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0139-0000	06/05/03	7R	
140386		1970 UNIVERSITY AVE		RIVERSIDE	P	1975	HIST.SURV.	2517-0140-0000	06/05/03	7R	
140387		1971 UNIVERSITY AVE		RIVERSIDE	P	1957	HIST.SURV.	2517-0141-0000	06/05/03	7R	
140388		1995 UNIVERSITY AVE		RIVERSIDE	P	1960	HIST.SURV.	2517-0142-0000	06/05/03	7R	
140389		2005 UNIVERSITY AVE		RIVERSIDE	P	1958	HIST.SURV.	2517-0143-0000	06/05/03	7R	
140390		2039 UNIVERSITY AVE	WILLIAM MORGAN HOUSE	RIVERSIDE	P	1910	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0144-0000	06/05/03	5S1	
140391		2055 UNIVERSITY AVE		RIVERSIDE	P	1958	HIST.SURV.	2517-0145-0000	06/05/03	7R	
072355		2060 UNIVERSITY AVE	UNIVERSITY HEIGHTS JUNIOR HIGH SCH	RIVERSIDE	M	1928	HIST.SURV.	2517-0146-0000	06/05/03	1S	AC
							HIST.RES.	NPS-93000547-0000	06/24/93	1S	AC
							NAT.REG.	33-0031	06/24/93	3S	AC
140392		2093 UNIVERSITY AVE		RIVERSIDE	P	1987	HIST.SURV.	2517-0147-0000	06/05/03	7R	
140393		2100 UNIVERSITY AVE		RIVERSIDE	P	1970	HIST.SURV.	2517-0148-0000	06/05/03	7R	
140394		2115 UNIVERSITY AVE		RIVERSIDE	P	1981	HIST.SURV.	2517-0149-0000	06/05/03	7R	
140395		2140 UNIVERSITY AVE		RIVERSIDE	P	1957	HIST.SURV.	2517-0150-0000	06/05/03	7R	
140396		2147 UNIVERSITY AVE		RIVERSIDE	P	1962	HIST.SURV.	2517-0151-0000	06/05/03	7R	
140397		2167 UNIVERSITY AVE		RIVERSIDE	P	1985	HIST.SURV.	2517-0152-0000	06/05/03	7R	
140398		2200 UNIVERSITY AVE		RIVERSIDE	P	1976	HIST.SURV.	2517-0153-0000	06/05/03	7R	
140399		2211 UNIVERSITY AVE	LAWTON'S BAIL BONDS, FIRE STATION	RIVERSIDE	P	1937	PROJ.REVW.	FHWA041006A	10/24/04	2S2	
							HIST.SURV.	2517-0154-0000	06/05/03	5S1	
140400		2227 UNIVERSITY AVE	ROBERT BUCHANAN HOUSE	RIVERSIDE	P	1908	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0155-0000	06/05/03	5S1	
140401		2242 UNIVERSITY AVE		RIVERSIDE	P	1966	HIST.SURV.	2517-0156-0000	06/05/03	7R	
140402		2243 UNIVERSITY AVE	ALEX BUCHANAN HOUSE	RIVERSIDE	P	1910	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0157-0000	06/05/03	5S1	
140403		2259 UNIVERSITY AVE	HEARTBREAK TATTOO	RIVERSIDE	P	1921	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0158-0000	06/05/03	7R	
140404		2291 UNIVERSITY AVE		RIVERSIDE	P	1946	PROJ.REVW.	FHWA041006A	10/24/04	6Y	
							HIST.SURV.	2517-0159-0000	06/05/03	7R	
140405		2337 UNIVERSITY AVE		RIVERSIDE	P	1949	HIST.SURV.	2517-0160-0000	06/05/03	7R	
140406		2348 UNIVERSITY AVE		RIVERSIDE	P	1900	HIST.SURV.	2517-0161-0000	06/05/03	7R	
140407		2351 UNIVERSITY AVE		RIVERSIDE	P	1945	HIST.SURV.	2517-0162-0000	06/05/03	7R	
140408		2360 UNIVERSITY AVE		RIVERSIDE	P	1930	HIST.SURV.	2517-0163-0000	06/05/03	6L	
140473		2371 UNIVERSITY AVE		RIVERSIDE	P	1974	HIST.SURV.	2517-0164-0000	06/05/03	7R	
140474		2378 UNIVERSITY AVE		RIVERSIDE	P	1904	HIST.SURV.	2517-0165-0000	06/05/03	5S1	
140475		2392 UNIVERSITY AVE		RIVERSIDE	P	1904	HIST.SURV.	2517-0166-0000	06/05/03	6L	

Eastern Information Center Resource Listing

Primary No.	Trinomial	Other IDs	Reports
P-33-009691			
P-33-009774			RI-04404, RI-05056, RI-07924
P-33-015155			
P-33-015156			RI-06838
P-33-015157			RI-06838
P-33-015158			RI-06838
P-33-015159			RI-06838
P-33-015160			RI-06838
P-33-015161			RI-06838
P-33-015162			RI-06832, RI-06838
P-33-015163			RI-06832, RI-06838
P-33-015167			RI-06838
P-33-015168			RI-06838
P-33-015169			RI-06838
P-33-015170			RI-06838
P-33-015171			RI-06838
P-33-015172			RI-06838
P-33-015173			RI-06838
P-33-015174			RI-06838
P-33-015175			RI-06838
P-33-015176			RI-06838
P-33-015177			RI-06838
P-33-015178			RI-06838
P-33-015179			RI-06838
P-33-015180			RI-06838
P-33-015181			RI-06838
P-33-015182			RI-06838

ATTACHMENT 3:

Native American Consultation

McKenna et al.

History/Archaeology/Architectural History/Ethnography/Paleontology

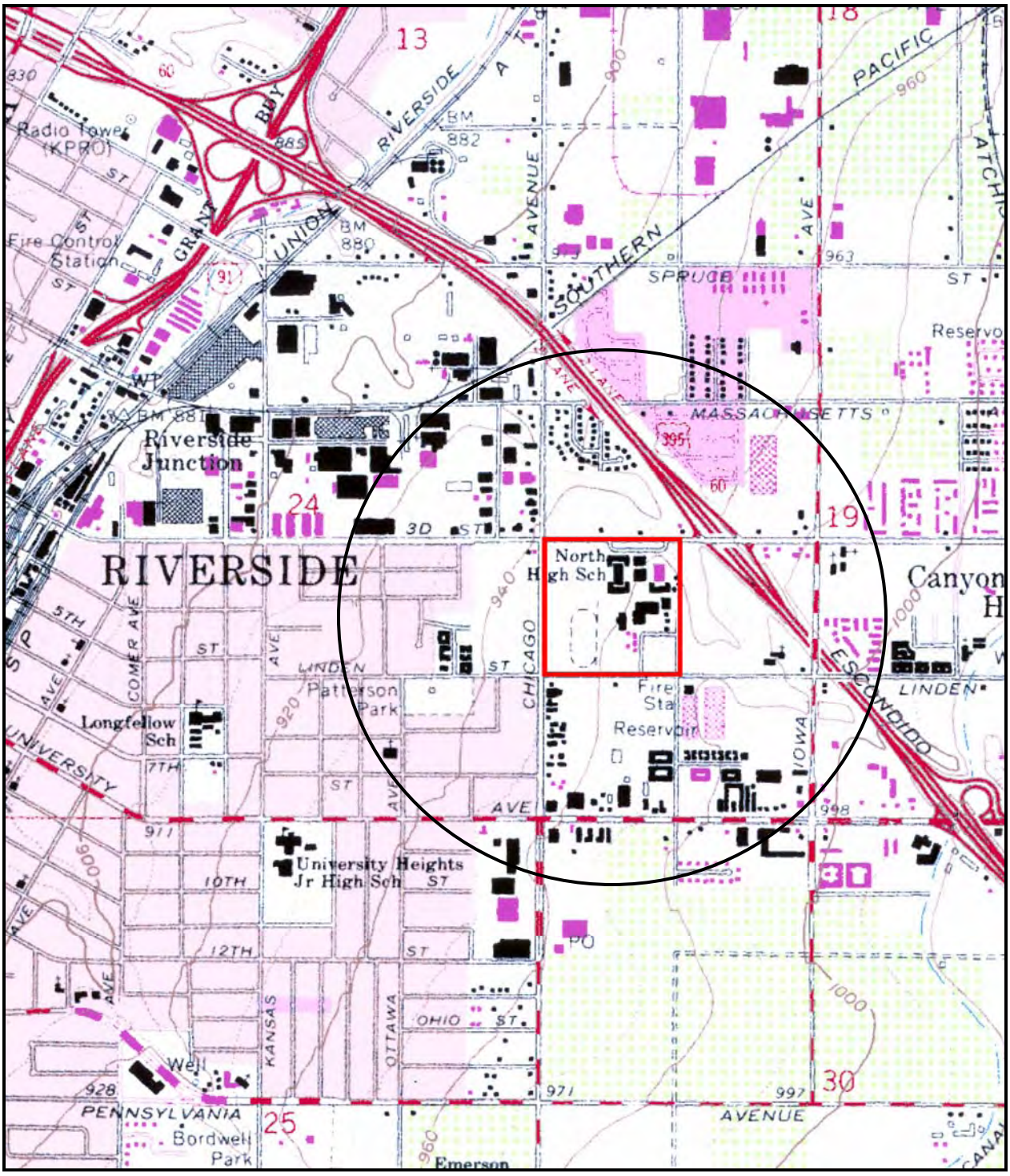
Jeanette A. McKenna, MA
Registered Prof. Archaeologist
Owner and Principal Investigator

SACRED LANDS FILE & NATIVE AMERICAN CONTACTS LIST REQUEST

NATIVE AMERICAN HERITAGE COMMISSION
915 Capitol Mall, RM 364
Sacramento, California 95814
(916) 653-4082 (916) 657-5390 FAX
nahc@pacbell.net

Information Below is Required for a Sacred Lands File Search

Project:	McKenna et al. Job No. 1497	
County:	Riverside	
USGS Quadrangle:	Riverside East (rev. 1980)	
Name:	North High School, Riverside, California	
Towns./Range/Section:	2S 4W SW ¼ Section 19	
Company/Firm/Agency:	McKenna et al.	
Contact Person:	Jeanette A. McKenna	
Street Address:	6008 Friends Avenue	
City:	Whittier, CA	Zip: 90601-3724
Phone:	(562) 696-3852	
FAX:	(562) 696-3852	
Email:	**jmckena@earthlink.net**	
Project Description:	Renovation of athletic fields	



North High School Site.

STATE OF CALIFORNIA Arnold Schwarzenegger, Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
ds_nahc@pacbell.net

July 23, 2010

Ms. Jeanette A. McKenna, M.A., RPA

McKenna et al.

6008 Friends Avenue
Whittier, CA 90601-3724

Sent by FAX TO: 562-696-3852
No. of Pages: 4

Re: Request for a Sacred Lands File Search and Native American Contacts List for the proposed **"North High School Athletic Fields Renovation Project;"** located in Riverside;; Riverside County, California,

Dear Ms. McKenna:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources. The NAHC SLF search, **did not indicate** the presence of Native American cultural resources within one-half mile of the proposed project sites (APEs).

Also, this letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American India tribes and interested Native American individuals as 'consulting parties' under both state and federal law.

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amended in 2009) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ...objects of historic or aesthetic significance." In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect.

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway. Culturally-affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g.APE). We recommend that you contact persons on the attached list of Native American contacts. Furthermore we suggest that you contact the California Historic Resources Information System (CHRIS) at the Office of Historic Preservation Coordinator's office (at 916-653-7272, for referral to the nearest Information Center of which there are 10.

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA (42 U.S.C 4321-43361) and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq*), 36 CFR Part 800.3 (f) (2), the President's Council on Environmental Quality (CSQ, 42 U.S.C 4371 *et seq.* and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes.

Also, Public Resources Code Section 5097.98 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

The response to this search for Native American cultural resources is conducted in the NAHC Sacred Lands Inventory, established by the California Legislature (CA Public Resources Code 5097.94(a) and is exempt from the CA Public Records Act (c.f. California Government Code 6254.10) although Native Americans on the attached contact list may wish to reveal the nature of identified cultural resources/historic properties. Confidentiality of "historic properties of religious and cultural significance" may also be protected under Section 304 of he NHA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APE and possibility threatened by proposed project activity.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,

Dave Singleton
Program Analyst

Attachment: Native American Contact List

Native American Contacts
Riverside County
July 23 2010

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477 Luiseno
Temecula , CA 92593
pmacarro@pechanga-nsn.
(951) 308-9295 Ext 8106
(951) 676-2768
(951) 506-9491 Fax

Santa Rosa Band of Mission Indians
John Marcus, Chairman
P.O. Box 609 Cahuilla
Hemet , CA 92546
srtribaloffice@aol.com
(951) 658-5311
(951) 658-6733 Fax

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

Gabrielino Tongva Nation
Sam Dunlap, Chairperson
P.O. Box 86908 Gabrielino Tongva
Los Angeles , CA 90086
samdunlap@earthlink.net
(909) 262-9351 - cell

San Manuel Band of Mission Indians
James Ramos, Chairperson
26569 Community Center Drive Serrano
Highland , CA 92346
(909) 864-8933
(909) 864-3724 - FAX
(909) 864-3370 Fax

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Prog.
12700 Pumarra Road Cahuilla
Banning , CA 92220 Serrano
mcontreras@morongo-nsn.
(951) 755-5025
(951)201-1866 - cell
(951) 922-0105 Fax

Gabrieleno/Tongva San Gabriel Band of Mission
Anthony Morales, Chairperson
PO Box 693 Gabrielino Tongva
San Gabriel , CA 91778
(626) 286-1262 -FAX
(626) 286-1632
(626) 286-1758 - Home
(626) 286-1262 Fax

San Manuel Band of Mission Indians
Ann Brierty, Policy/Cultural Resources Departmen
26569 Community Center. Drive Serrano
Highland , CA 92346
abrierty@sanmanuel-nsn.
(909) 864-8933 EXT-3250
(909) 649-1585 - cell
(909) 862-5152 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and federal NAGPRA. And 36 CFR Part 800.3.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed North High School Athletic Fields Renovation Project; located in Riverside; Riverside County, California for which a Sacred Lands File search and Native American Contacts list were requested.

Native American Contacts
Riverside County
July 23 2010

Kupa Cultural Center (Pala Band)
Shasta Gaughen, Assistant Director
35008 Pala-Temecula Rd. PMB Box 445 Luiseno
Pala , CA 92059
cupa@palatribe.com
(760) 891-3590
(760) 742-4543 - FAX

Cahuilla Band of Indians
Luther Salgado, Sr., , Chairperson
PO Box 391760 Cahuilla
Anza , CA 92539
tribalcouncil@cahuilla.net
915-763-5549

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 676-2768
(951) 695-1778 Fax

Anna Hoover, Cultural Analyst
Pechanga Cultural Resources Department
P.O. Box 2183 Luiseño
Temecula , CA 92593
(951-770-8104
(951) 694-0446 - FAX
ahoover@pechanga-nsn.gov

Willie J. Pink
48310 Pechanga Road Luiseno
Temecula , CA 92592
wjpink@hotmail.com
(909) 936-1216
Prefers e-mail contact

Joseph Ontiveros, Cultural Resource Department
SOBOBA BAND OF LUISENO INDIANS
P.O. BOX 487 Luiseno
San Jacinto , CA 92581
(951) 654-5544, ext 4137
(951) 663-5279
jontiveros@soboba-nsn.gov

Serrano Nation of Indians
Goldie Walker
6588 Valaria Drive Serrano
Highland , CA 92346
(909) 862-9883

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code. Also, federal National Environmental Policy Act (NEPA), National Historic Preservation Act, Section 106 and federal NAGPRA. And 36 CFR Part 800.3.

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History/Archaeology/Architectural History/Ethnography/Paleontology

Jeanette A. McKenna, MA
Registered Prof. Archaeologist
Owner and Principal Investigator

July 25, 2010

Pechanga Band of Mission Indians
Attn: Paul Macarro, Cultural Resource Center
P.O. Box 1477
Temecula, California 92593

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Macarro:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Sincerely,

Jeanette A. McKenna

Jeanette A. McKenna, Principal
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6008 Friends Avenue, Whittier, California 90601-3724 email = jmckena@earthlink.net
(562) 696-3852 OFFICE and FAX (562) 754-7712 CELL (480) 664-0682 AZ

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Registered Prof. Archaeologist
Owner and Principal Investigator

July 25, 2010

Ramona Band of Mission Indians
Attn: Joseph Hamilton, Chairman
P.O. Box 391670
Anza, California 92539

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Hamilton:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Registered Prof. Archaeologist
Owner and Principal Investigator

July 25, 2010

San Manuel Band of Mission Indians
Attn: James Ramos, Chairperson
26569 Community Center Drive
Highland, California 92346

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Ramos:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Owner and Principal Investigator

July 25, 2010

Gabrielino/Tongva San Gabriel Band of Mission Indians
Attn: Anthony Morales, Chairperson
P.O. Box 693
San Gabriel, California 91778

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Morales:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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July 25, 2010

Santa Rosa Band of Mission Indians
Attn: John Marcus, Chairperson
P.O. Box 609
Hemet, California 92549

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Marcus:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Registered Prof. Archaeologist
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July 25, 2010

Gabrielino Tongva Nation
Attn: Sam Dunlap, Chairperson
P.O. Box 86908
Los Angeles, California 90066

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Dunlap:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Jeanette A. McKenna, MA
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Owner and Principal Investigator

July 25, 2010

Morongo Band of Mission Indians
Attn: Michael Contreras, Cultural Heritage Program
12700 Pumarra Road
Banning, California 92220

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Contreras:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Registered Prof. Archaeologist
Owner and Principal Investigator

July 25, 2010

San Manuel Band of Mission Indians
Attn: Ann Brierty, Policy/Cultural Resources Department
26569 Community Center Drive
Highland, California 92346

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Ms. Brierty:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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Kupa Cultural Center (Pala Band)
Attn: Shasta Gaughen, Assistant Director
35008 Pala-Temecula Road
Pala, California 92059

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Ms. Gaughen:

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Owner and Principal Investigator

July 25, 2010

Willie J. Pink
48310 Pechanga Road
Temecula, California 92592

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Pink:

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Registered Prof. Archaeologist
Owner and Principal Investigator

July 25, 2010

Serrano Nation of Indians
Attn: Goldie Walker
6588 Valaria Drive
Highland, California 92346

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Ms. Walker:

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Owner and Principal Investigator

July 25, 2010

Cahuilla Band of Indians
Attn: Luther Salgado, Sr., Chairperson
P.O. Box 391760
Anza, California 92539

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Salgado:

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Owner and Principal Investigator

July 25, 2010

Pechanga Band of Mission Indians
Attn: Anna Hoover, Cultural Analyst
P.O. Box 2183
Temecula, California 92693

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Ms. Hoover:

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Jeanette A. McKenna, MA
Registered Prof. Archaeologist
Owner and Principal Investigator

July 25, 2010

Soboba Band of Luiseno Indians
Attn: Joseph Ontiveros, Cultural Resources Department
P.O. Box 487
San Jacinto, California 92581

RE: Cultural Resources Investigations of North High School, Riverside, CA.

Mr. Ontiveros:

McKenna et al. is initiating a cultural resources overview of the North High School campus in the City of Riverside, Riverside County, California. The school is located at 1550 3rd Street and illustrated on the attached map. The project, as currently defined, involves improvements to the athletic fields. No existing buildings will be impacted.

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(562) 696-3852 OFFICE and FAX (562) 754-7712 CELL (480) 664-0682 AZ

ATTACHMENT 4:

Photographic Record

Administration Building for John W. North High School (South).

Parking Lot Along Third Street, in Front of Administration Building (East).

Buildings at North End of Campus, to East of Administration Building (Southeast).

Overview of Administration Building (Southwest).

Signage on Administration Building of John W. North High School (Southeast).

Area Between Administration Building and Classroom Building at North End of Campus (South).

Classroom Building West of Administration Building (Southwest).

View from Entrance into Parking Lot Towards Administration and Classroom Building (Southeast).

Athletic Fields from Parking Lot Along Third Street (Southwest).

View Over Fence Towards Athletic Fields (Southwest).

Baseball Diamond at Northern End of Campus, Along Third Street (West).

Intersection of Third Street and Chicago Avenue at Northeast Corner of John W. North High School (Southeast).

Towards Athletic Fields at Northeast Corner of Campus (Southeast).

View of Athletic Fields from Linden Street and Presley Avenue (North).

South Boundary of Campus Along Linden Street (Northwest).

View from Linden Street, Towards Athletic Fields (North).

View from Linden Street Towards Track and Area to be Redeveloped (North).

View from Linden Street Towards Area to be Redeveloped (North).

South End of Track and Athletic Fields, View Towards Chicago Avenue (West).

South Athletic Field Area (Northwest).

View Along Fence Separating Track from Tennis Courts (North).

View into Tennis Courts (Northwest).

Overview of Tennis Courts from Linden Street (Northwest).

Tennis Courts from Linden Street (West/Northwest).

Portable Classrooms to East of Tennis Courts, from Linden Street (Northwest).

Access Road into Campus Near Portable Classrooms (North).

Area Between Tennis Courts and Portable Classooms (North).

Athletic Field Area to be Improved, from Linden Street (Northeast).

Area to Be Improved (Norhtwest).

Overview of Athletic Fields (Northeast).

Southeast Corner of John W. North High School (West).

Parking Lot at Southeast Corner of John W. North High School (Northwest).

Access Road Along East End of John W. North High School (North).

Appendix C. Geotechnical Investigation

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GEOTECHNICAL INVESTIGATION, PROPOSED AQUATIC CENTER, FOOTBALL STADIUM AND ATHLETIC FACILITIES, J.W. NORTH HIGH SCHOOL, 1550 THIRD STREET, CITY OF RIVERSIDE, CALIFORNIA

Prepared for:

RIVERSIDE UNIFIED SCHOOL DISTRICT
3070 Washington Street
Riverside, California 92504

Project No. 602879-001

June 30, 2010

Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

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A LEIGHTON GROUP COMPANY

June 30, 2010

Project No. 602879-001

To: Riverside Unified School District
Facilities Planning and Development
3070 Washington Street
Riverside, California 92504

Attention: Ms. Janet Dixon

Subject: Geotechnical Investigation, Proposed Aquatic Center, Football Stadium and Athletic Facilities, J.W. North High School, 1550 Third Street, City of Riverside, California

Leighton Consulting, Inc. (Leighton) is pleased to present this report of geotechnical investigation for the proposed aquatic center, football stadium and other athletic fields and facilities at John W. North High School, located at 1550 Third Street in the City of Riverside, California. The purpose of this study has been to evaluate geologic/geotechnical conditions of the site with respect to the planned improvements, including geologic hazards, to explore subsurface conditions, and provide geotechnical recommendations for design and construction.

Based upon our geotechnical investigation, the proposed improvements are feasible from a geotechnical viewpoint, provided our recommendations are incorporated into the design and construction of the project. The proposed bleachers and buildings can be founded on conventional spread footings bearing solely on a zone of newly excavated and recompacted fill soils, derived from site soils. The most significant geotechnical issues at the site are seismic hazards and compressible soils. These and other geotechnical issues are discussed in this report.

We appreciate the opportunity to work with you on this project. If you have any questions, or if we can be of further service, please call us at your convenience at (909) 484-2205.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Jason D. Hertzberg, GE 2711
Associate Engineer

Philip A. Buchiarelli, CEG 1715
Principal Geologist

MDH/JDH/PB/rsh

Distribution: (2) Addressee
(3) HMC Architects
Attention: Mr. Marco Eacrett

TABLE OF CONTENTS

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Appendices

1.0 INTRODUCTION

1.1 Site Location and Description

The proposed improvements are to be located within the existing J.W. North High School campus located at 1550 Third Street in the City of Riverside, California (see Figures 1 and 2). Existing athletic fields, basketball and tennis courts, and a swimming pool are located within the area of the proposed improvements on the southwestern side of the campus.

A review of historical aerial photographs shows that the site was used for agricultural purposes as recently as 1963, prior to construction of the school campus in 1965. The campus generally consists of permanent classroom buildings in the northeastern portion, with the western portion of the campus containing playfields, including the existing football field in the southwestern portion. The campus is bounded by 3rd Street to the north, Chicago Avenue to the west, W. Linden Street to the south, and light industrial and commercial developments to the east. The school property and general vicinity drain gently to the northwest. A former shallow drainage channel existed to the northeast of the campus. The existing ground surface elevations across the campus range from approximately 945 to 970 feet above mean sea level, and in the area of the proposed improvements the ground elevation is approximately 950 to 960 feet (see Figure 1).

1.2 Proposed Improvements

Based on our understanding of the proposed improvements, Riverside Unified School District is planning to construct a new track and field (with synthetic turf and track), bleachers, and a 30-meter swimming pool. Two new tennis courts and two new basketball courts are proposed south of the pool. A restroom/concession/equipment building (approximately 4,000 square feet each) is planned for construction north of the track and field. Other proposed and possible flatwork improvements include reconstruction of the southernmost existing tennis courts, and various utility, landscaping, and hardscaping improvements throughout the western portion of the campus. The proposed improvements are shown on Figure 2.

Grading plans were not available to us at the time of this study. However, based on the gentle topography onsite, we anticipate that minor cuts and fills (on the order of 5 feet or less) will be required to attain desired grades. This is a public school project under the jurisdiction of the Division of the State Architect (DSA), to be designed and constructed in accordance with the 2007 California Building Code (CBC).

1.3 Purpose and Scope of Work

The purpose of our study has been to evaluate the geologic/geotechnical conditions of the site with respect to the planned improvements and provide preliminary recommendations for design and construction. Our geotechnical investigation was tailored to develop a generalized representation of the subsurface soil conditions with respect to the proposed improvements. Our work included the following tasks:

- Geologic Hazards Review - We reviewed pertinent, readily available geologic and geotechnical literature covering the site. Our review included regional geologic maps and reports available from our library and analysis of in-house historical aerial photographs covering the site. Documents reviewed are listed in Appendix A, References.

- Utility Clearance - We coordinated with District representatives and Underground Service Alert (USA) to have existing underground utilities located and marked prior to our subsurface investigation. We retained a private utility locator to provide further clearance of utilities prior to our subsurface investigation.

- Field Exploration - Our field exploration included drilling, logging, and sampling five hollow-stem auger borings (LB-1 through LB-5) at representative locations within or immediately adjacent to the footprints of the proposed buildings and in areas of other improvements. However, in some areas, we were not able to drill within the actual proposed footprint, because of existing improvements. As a minimum, one boring was drilled per every 5,000 square feet of proposed building footprint. The borings were advanced to depths ranging from 16½ feet to 51½ feet below the existing ground surface. Each boring was logged by a member of our technical staff. Relatively undisturbed soil samples were obtained at selected intervals within the borings using a California Ring Sampler. Standard Penetration Tests (SPT) were conducted at selected depths within the borings and samples were obtained. Representative bulk soil samples were also collected at shallow depths. Logs of the geotechnical borings are presented in Appendix B. Approximate boring locations are shown on the accompanying *Geotechnical Map*, Figure 2.

- Laboratory Tests - Laboratory tests were conducted on selected relatively undisturbed and bulk soil samples obtained during our field investigation. The laboratory testing program was designed to evaluate engineering characteristics of the onsite soil.

Laboratory tests conducted during this investigation and our previous site investigation (see Section 1.4) include:

- In situ moisture content and dry density
- Atterberg limits
- Sieve analysis for grain-size distribution
- Consolidation settlement characteristics
- Collapse potential
- Maximum dry density and optimum moisture content
- Shear strength
- Expansion index
- Water-soluble sulfate concentration in the soil for cement type recommendations
- Resistivity, chloride content and pH to evaluate corrosion potential
- R-value

Results of the in situ dry density and moisture content tests are shown on the boring logs (Appendix B). Results of the remaining laboratory tests are provided in Appendix C.

- Engineering Analysis - Data obtained from our background review and field exploration was evaluated and analyzed to provide geotechnical conclusions and preliminary recommendations presented in the following sections.

- Report Preparation - Results of our geologic hazards review and geotechnical investigation have been summarized in this report, presenting our findings, conclusions and preliminary recommendations.

1.4 Previous Geotechnical Investigation

A geotechnical investigation was previously performed by Leighton and Associates, Inc. (2002) for the then-proposed science lab building. The findings and conclusions of that study were considered during this current investigation. Approximate locations of borings drilled during that previous study are shown on Figure 2, the boring logs are included at the end of Appendix B, and the laboratory test results are included at the end of Appendix C of this report.

2.0 FINDINGS

2.1 Regional Geologic Setting

The site is located in the northern part of the Peninsular Ranges Geomorphic Province of southern California near the margin of the Santa Ana River Valley. The mountains of El Sobrante de San Jacinto and the Perris structural block are east and south of the site. Cretaceous igneous rocks of the southern California batholith underlie the Peninsular Ranges at depth in this area. Northwest-trending, right-lateral, strike-slip faults dominate the structure of the Peninsular Ranges. The site is located within the Perris structural block, which is bounded on the north by the Cucamonga Fault, on the east by the San Jacinto Fault, and on the west by the Chino and Elsinore Faults. The active San Jacinto Fault Zone is present approximately 5.5 miles (8 kilometers) northeast of the site. This fault has experienced significant activity in the recent geologic past. The San Andreas Fault, the most active and extensive fault in California, is located approximately 13.5 miles (22 km) northeast of the site. The site rests on generally flat terrain underlain by old alluvial fan soils deposited by the Santa Ana River, which is located approximately 2 miles northeast of the site, and local tributaries (Morton and Miller, 2006). Bedrock is not present onsite; it is expected to be present at a depth of about 400 feet below the ground surface. The regional geology is shown on Figure 3.

2.2 Subsurface Soil Conditions

Based upon our review of pertinent geotechnical literature and our subsurface exploration, the site is underlain by late Pleistocene-age alluvial fan deposits (denoted as Qof on our boring logs). This soil generally consists of unconsolidated sandy alluvial fan deposits (Morton and Miller, 2006).

Alluvial soils encountered within our exploratory borings drilled onsite generally consisted of loose to medium dense silty sand and sand to the depths explored. Soils within the upper 10 feet below the ground surface were generally loose to medium dense and medium dense below. Most material encountered possessed a significant degree of fines content, though layers of well-graded and poorly graded sands were encountered within several of our borings. The soils were visually described as moist to the maximum depths explored. Sampled moisture contents of the upper 15 feet of the subsurface soil ranged from 3 to 13 percent by weight. No artificial fill was recognized during our field exploration, though fill is expected to be present locally due to past site uses.

2.2.1 Compressible and Collapsible Soil

Soil compressibility refers to a soil's potential for settlement when subjected to increased loads, as from a fill surcharge or a structure. Based on our investigation, the upper 5 to 10 feet of alluvial soil is considered slightly to moderately compressible, becoming less compressible with depth. Partial removal and recompaction of this material will be necessary to reduce the potential for adverse total and differential settlement of the proposed improvements.

Collapse potential refers to the potential settlement of a soil under existing stresses upon being wetted. Three representative samples of the subsurface soil were tested for collapse potential during this investigation. Test results indicate that the near-surface soil onsite has a negligible collapse potential.

2.2.2 Expansive Soil

Expansive soils contain significant amounts of clay particles that swell considerably when wetted and shrink when dried. Foundations constructed on these soils are subjected to large uplifting forces caused by the swelling. Without proper measures taken, heaving and cracking of both building foundations and slabs-on-grade could result.

Laboratory testing of a near-surface sample yielded an expansion index of 4. Based on this test result, our review of pertinent geotechnical literature in the vicinity of the site, and our geotechnical experience in the area, the alluvial soils onsite are expected to have a very low expansion potential.

2.2.3 Sulfate Content

Water-soluble sulfates in soil can react adversely with concrete. However, concrete in contact with soil containing sulfate concentrations of less than 0.01 percent by weight is considered to have negligible sulfate exposure based on the American Concrete Institute (ACI) provisions, adopted by the 2007 CBC (CBC, 2007, Chapter 19A, and ACI, 2005, Chapter 4).

A near-surface soil sample was tested for soluble sulfate content. The result of this test indicated a sulfate content of 0.01 percent by weight or less, indicating negligible sulfate exposure. As such, the soils exposed at pad grade are not expected to pose a significant potential for sulfate reaction with concrete.

2.2.4 Resistivity, Chloride and pH

Soil corrosivity to ferrous metals can be estimated by the soil's electrical resistivity, chloride content and pH. In general, soil having a minimum resistivity of 2,000 ohm-cm or less is considered corrosive. Soil with a chloride content of 500 parts-per-million (ppm) or more is considered corrosive to ferrous metals.

As a screening for potentially corrosive soil, a near-surface soil sample was tested to determine its minimum resistivity, chloride content, and pH. These tests indicated a minimum resistivity of roughly 6,500 ohm-cm, a chloride content of 84 ppm, and pH of 7.4. Based on these test results, the onsite soil is considered moderately corrosive to ferrous metals.

2.3 Groundwater

Groundwater was not encountered in any of our borings to a maximum depth of 51½ feet below the existing ground surface. Based on our review of regional maps and groundwater data from the Western Municipal Water District (Spring 2008 data), groundwater levels in 1996 were on the order of 95 feet below the existing ground surface at a nearby monitoring well. Our review of historical groundwater maps published by CDWR (1970) indicates that the depth to groundwater in 1933 and 1960 was estimated to be no higher than 90 feet below the ground surface. The Riverside County Geologic Hazard Map (2004) indicates that the historically shallowest groundwater levels in the vicinity of the site were between 100 and 150 feet deep.

2.4 Faulting and Seismicity

In general, the primary seismic hazards for sites in the region could include strong ground shaking and fault rupture. The potential for fault rupture and seismic shaking are discussed below.

2.4.1 Surface Faulting

Our review of available in-house literature indicates that there are no known active faults that have been mapped across the site, the site is not located near a pressure ridge, and the site is not located within a current State of California designated Earthquake Fault Zone (CGS, 2000). Based on our understanding of

the current geologic framework, the potential for future surface rupture of active faults onsite is considered very low.

2.4.2 Seismicity

The principal seismic hazard that could affect the site is ground shaking resulting from an earthquake occurring along several major active or potentially active faults in southern California. Design of the proposed improvements in accordance with current California Building Code (CBC) requirements is intended to reduce the impact of seismic shaking on the proposed improvements.

The known regional active faults that could produce the most significant ground shaking at the site include the San Jacinto, Elsinore, Whittier, Cucamonga, and San Andreas faults. The closest active fault to the site is the San Jacinto fault, at an approximate distance of 8 kilometers. Forty-two faults found within a 100-km radius search from the project site are listed in Appendix D. General locations of regional faults with respect to the site are shown on the *Regional Fault Map* (Figure 5).

The *Regional Seismicity Map* (Figure 6) shows the recent regional seismicity with respect to the site. An evaluation of historical seismicity related to the site was performed to show the significant past earthquakes from the mid 1800's to 2010 with magnitudes 5 or greater. These were estimated using the EQSEARCH computer program (Blake, 2010). Based on this analysis, the largest ground acceleration at the site from historical earthquakes is estimated to have been 0.37g from a 6.3 Magnitude earthquake 9 km away in 1923. This historical seismicity search was performed for a 100-km radius from the project site and is listed in Appendix D.

PHGA and hazard deaggregation were performed using the United States Geological Survey's 2008 Interactive Deaggregations utility. The results of this analysis indicate that the predominant modal earthquake has a PHGA of 0.78g with magnitude of approximately 7.0 (M_W) at a distance on the order of 11 kilometers for the Maximum Considered Earthquake (2% probability of exceedance in 50 years).

We have conducted a site-specific ground motion hazard analysis to develop a design response spectrum in accordance with the 2007 California Building Code and ASCE Standard 7-05, Section 21.2. Software developed by Risk Engineering

(EZ-FRISK 7.35) was utilized for the deterministic maximum considered earthquake (MCE) and the probabilistic seismic hazard analysis USGS 2008 update was used for the probabilistic MCE. The response spectrum and summary of the analysis is included in Appendix D. Recommended seismic design acceleration parameters are presented in Section 3.2 of this report.

2.5 Secondary Seismic Hazards

In general, secondary seismic hazards for sites in the region could include soil liquefaction, earthquake-induced settlement, lateral displacement, landsliding, seiches, and tsunamis. The potential for secondary seismic hazards at the site is discussed below.

2.5.1 Liquefaction Potential

Liquefaction is the loss of soil strength or stiffness due to a buildup of excess pore-water pressure during strong ground shaking. Liquefaction is associated primarily with loose (low density), granular, saturated soil. Effects of severe liquefaction can include sand boils, excessive settlement, bearing capacity failures, and lateral spreading.

The site is mapped in an area designated as having a low liquefaction potential in the Riverside County Land Information System (Riverside County, 2010). Groundwater was not encountered during any of our borings conducted to a maximum depth of 51½ feet. Furthermore, the historically shallowest groundwater level is estimated to be 90 feet or deeper (see Section 2.3, Groundwater). Based on this, the potential for liquefaction and liquefaction-related damage is considered very low at the site.

2.5.2 Seismically Induced Settlement

Seismically induced settlement consists of dry dynamic settlement (above groundwater) and liquefaction-induced settlement (below groundwater). During a strong seismic event, seismically induced settlement can occur within loose to moderately dense sandy soil due to reduction in volume during and shortly after an earthquake event. Settlement caused by ground shaking is often nonuniformly distributed, which can result in differential settlement.

We have performed analyses to estimate the seismically induced settlement using the LiquefyPro computer program by CivilTech Software. The results of our

analyses indicate the onsite soils are expected to undergo less than 1 inch of seismic settlement. Differential settlement due to seismic loading is assumed to be less than ½ inch over a horizontal distance of 40 feet.

2.5.3 Seismically Induced Landslides

Significant slopes are not located on or near the site. Therefore, the site is not considered susceptible to landslides or seismically induced landslides.

2.5.4 Earthquake Induced Flooding

Earthquake-induced flooding can result from the failure of dams or other water-retaining structures resulting from earthquakes. The site is not located within inundation zones for local retained bodies of water, including Lake Mathews Dam, Seven Oaks Dam or Lake Perris Dam. Therefore, the potential for earthquake-induced flooding at this site is considered to be low (see Figure 7).

2.5.5 Seiches and Tsunamis

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. Tsunamis are waves generated in large bodies of water by fault displacement or major ground movement. Based on the inland location of the site and its distance from lakes or ponds, seiches and tsunamis are not a hazard to this site.

2.6 Flood Hazard

North High School is not located within either a “100-year” or “500-year” flood zone based on information obtained from the Riverside County Land Information System (see Appendix D).

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on this investigation, construction of the proposed aquatic center, stadium and other athletic field and facility improvements appears feasible from a geotechnical standpoint. No severe geologic or soils related issues were identified that would preclude development of the site for the proposed school improvements. The proposed bleachers, restroom/equipment/concession building and associated improvements can be founded on shallow conventional spread footings bearing on a zone of newly excavated and recompacted fill soils, derived from site soils. The most significant geotechnical issues at the site are those related to the potential for strong seismic shaking and the presence of surficial compressible soils. Appropriate planning and design of the project can limit the impact of these constraints. Remedial recommendations for these and other geotechnical issues are provided in the following sections.

3.1 Earthwork and Grading

All grading should be performed in accordance with the *General Earthwork and Grading Specifications* presented in Appendix E, unless specifically revised or amended below or by future recommendations based on final plans.

3.1.1 Site Preparation

Prior to construction, the areas of the proposed improvements should be cleared of vegetation (turf), asphalt pavement, and debris, which should be disposed of offsite. Any underground obstructions onsite should be removed. Resulting cavities should be properly backfilled and compacted. In addition, any uncontrolled fill, if encountered, should be removed and replaced as compacted fill. Efforts should be made to locate any existing utility lines. Those lines should be removed or rerouted if they interfere with the proposed construction, and the resulting cavities should be properly backfilled and compacted.

3.1.2 Overexcavation and Recompaction

To reduce the potential for adverse differential settlement of the proposed structures, the underlying subgrade soil should be prepared in such a manner that a uniform response to the applied loads is achieved. For the planned buildings and bleachers, we recommend that the native alluvial soil be overexcavated to a minimum depth of approximately 4 feet below existing grade or 3 feet below the proposed footings, whichever is deeper. The overexcavation and recompaction

should extend a minimum horizontal distance from perimeter edges of the proposed footings equal to the depth of the overexcavation or 5 feet, whichever is greater. Local conditions may require that deeper overexcavation be performed; such areas should be evaluated by Leighton during grading.

Areas planned for asphalt or concrete pavement, flatwork, the track and field surfaces, site walls, and areas to receive fill should be overexcavated to a minimum depth of 18 inches below existing grade or 18 inches below proposed subgrade, whichever is deeper.

After completion of the overexcavation, and prior to fill placement, the exposed surfaces should be scarified to a minimum depth of 6 inches, moisture conditioned to or slightly above optimum moisture content, and recompacted to a minimum 90 percent relative compaction, relative to the ASTM D 1557 laboratory maximum density.

3.1.3 Fill Placement and Compaction

Onsite soil free of debris and oversized material (greater than 8 inches in largest dimension) is suitable for use as compacted structural fill. Any soil to be placed as fill, whether onsite or imported material, should be reviewed and possibly tested by Leighton.

All fill soil should be placed in thin, loose lifts, moisture conditioned, as necessary, to near optimum moisture content, and compacted to a minimum 90 percent relative compaction as determined by ASTM Test Method D1557. Aggregate base for pavement should be compacted to a minimum of 95 percent relative compaction.

3.1.4 Import Fill Soil

Any import soil to be placed as fill at the site should be geotechnically accepted by Leighton. Preferably at least 3 working days prior to proposed import to the site, the contractor should provide Leighton pertinent information of the proposed import soil, such as location of the soil, whether stockpiled or native in place, and pertinent geotechnical reports if available. We recommend that a Leighton representative visit the proposed import site to observe the soil conditions and obtain representative soil samples. Potential issues may include soil that is more expansive than onsite soil, soil that is too wet, soil that is too rocky or too dissimilar to onsite soils, oversize material, organics, debris, etc.

The owner should require proper documentation that soils imported to the project site are suitable for use at the school site from an environmental standpoint. The import soils should be evaluated and/or tested, as appropriate, for environmental suitability based on the *Information Advisory - Clean Imported Fill* (Department of Toxic Substances Control, October 2001 or more current edition). The documentation indicating the soils are suitable for use should be provided to the project construction manager prior to intended import to the site. Leighton can provide these services to the District, but the contractor must give Leighton adequate time to properly evaluate the material prior to import--a minimum of 3 working days (laboratory rush charges would apply), but preferably 5 working days or more. The contractor should provide Leighton pertinent information, such as the amount and location of the soil, whether stockpiled or native in place, soil owner contact information, and pertinent environmental reports, if available.

3.1.5 Shrinkage and Subsidence

The change in volume of excavated and recompacted soil varies according to soil type and location. This volume change is represented as a percentage increase (bulking) or decrease (shrinkage) in volume of fill after removal and recompaction. Subsidence occurs as in-place soil (e.g., natural ground) is moisture-conditioned and densified to receive fill, such as in processing an overexcavation bottom. Subsidence is in addition to shrinkage from recompaction of fill soil. Subsidence, in this sense, does not refer to potential settlement due to placement of additional loads, such as from foundations or from significantly raising grades with new fill.

Field and laboratory data used in our calculations included laboratory-measured maximum dry densities for soil types encountered at the subject site, the measured in-place densities of soils encountered and our experience. We preliminarily estimate the following earth volume changes will occur during grading, and these are rough estimates:

Shrinkage	Approximately 15 percent
Subsidence (overexcavation bottom processing)	Approximately 0.15 foot

These shrinkage values are general guide values. Actual values may vary, due to variations in the dry density of the existing soils, the level of fill compaction, and other factors that influence the amount of volume change. Therefore, as with any

grading project, some earthwork volume adjustments should be anticipated during grading.

3.2 Seismic Design Parameters

Seismic parameters presented in this report should be considered during project design. In order to reduce the effects of ground shaking produced by regional seismic events, seismic design should be performed in accordance with the 2007 edition of the California Building Code (CBC). The following data should be considered for the seismic analysis of the subject site. The site-specific parameters presented at the bottom of the table (last 4 rows) should be used for design (see Appendix D):

Table 1. Seismic Design Parameters

Categorization/Coefficient	Design Value
Site Latitude (decimal degrees)	33.981N
Site Longitude (decimal degrees)	-117.3465E
Site Class Definition (Table 1613A.5.2)	D
Mapped Spectral Response Acceleration at 0.2s Period, S_s (Figure 1613.5(3))	1.5
Mapped Spectral Response Acceleration at 1s Period, S_1 (Figure 1613.5(4))	0.6
Short Period Site Coefficient at 0.2s Period, F_a (Table 1613A.5.3(1))	1.0
Long Period Site Coefficient at1s Period, F_v (Table 1613A.5.3(2))	1.5
Adjusted MCE Spectral Response Acceleration at 0.2s Period, S_{MS} (Eq. 16A-37)	1.5*
Adjusted MCE Spectral Response Acceleration at 1s Period, S_{M1} (Eq. 16A-38)	0.9*
Design Spectral Response Acceleration at 0.2s Period, S_{DS} (Eq. 16A-39)	1.0*
Design Spectral Response Acceleration at 1s Period, S_{D1} (Eq. 16A-40)	0.6*
Site-Specific Seismic Design Parameters (see Appendix D):	
MCE Spectral Response Acceleration at 0.2s Period, S_{MS}	**1.73**
MCE Spectral Response Acceleration at 1s Period, S_{M1}	**1.23**
Design Spectral Response Acceleration at 0.2s Period, S_{DS}	**1.15**
Design Spectral Response Acceleration at 1s Period, S_{D1}	**0.82**

*these values are shown for information only and not for design purposes

3.3 Foundation Recommendations

Conventional shallow foundations may be used to support the loads of one- to three-story structures. Overexcavation and recompaction of the footing subgrade soil should be performed as recommended in Section 3.1. The following recommendations are based on

our current understanding of the onsite soil conditions and soils with a very low expansion potential.

3.3.1 Minimum Embedment and Width

Based on this investigation, footings for proposed one- to two-story structures should have a minimum embedment of 18 inches for exterior footings and 12 inches for interior footings, with a minimum width of 24 and 15 inches for isolated and continuous footings, respectively. The structural engineer should determine the minimum footing depth and width for structures greater than two stories, but in no case should these be smaller than the above recommended minimum dimensions for two-story structures.

3.3.2 Allowable Bearing Pressure

An allowable bearing pressure of 2,000 pounds-per-square-foot (psf) may be used, based on the minimum embedment depth and width above. This allowable bearing value may be increased by 300 psf per foot increase in depth or width to a maximum allowable bearing pressure of 4,000 psf. These allowable bearing pressures are for total dead load and sustained live loads. As a minimum, footings should have one No. 4 rebar top and bottom. Footing reinforcement should be designed by the structural engineer.

For the case of short term loading (seismic and wind loading), an increase of 1/3 would apply. The ultimate bearing pressure is assumed to be roughly three times the allowable bearing pressure. However, this ultimate pressure only considers structural failure/collapse (life safety) and not structural damage or significant cosmetic damage. Excessive settlement may occur before the ultimate bearing pressure is obtained.

3.3.3 Lateral Load Resistance

Soil resistance available to withstand lateral loads on a shallow foundation is a function of the frictional resistance along the base of the footing and the passive resistance that may develop as the face of the structure tends to move into the soil. The frictional resistance between the base of the foundation and the subgrade soil may be computed using a coefficient of friction of 0.35; this value may be increased by one third when considering loads of short duration, such as those imposed by wind and seismic forces. The passive resistance may be computed using an

allowable (factor of safety of 1.5 applied) equivalent fluid pressure of 260 pounds per cubic foot (pcf), assuming there is constant contact between the footing and undisturbed soil.

3.3.4 Settlement Estimates

The recommended allowable bearing pressure is generally based on a total allowable, post construction settlement of 1 inch. Differential settlement due to static loading is estimated at ½ inch over a horizontal distance of 30 feet. Since settlement is a function of footing sustained load, size and contact bearing pressure, differential settlement can be expected between adjacent columns or walls where a large differential loading condition exists.

Potential seismically induced differential settlement is estimated to be less than ½ inch over a horizontal distance of 40 feet.

3.3.5 Foundation Recommendations for Light Standards

We assume that the proposed light standards will be supported on pre-fabricated conical bases inserted into drilled shafts backfilled with concrete slurry. Lateral bearing resistance for the proposed light standard pile foundations may be based on a passive earth pressure (an equivalent fluid pressure) of 300 pcf (with a maximum value of 4,500 psf), ignoring the upper 1 foot of soil in non-paved areas. This lateral bearing value assumes that the pole will not be adversely affected by a 0.5-inch deflection at the ground surface.

We recommend an allowable axial resistance in compression for these foundations consisting of 300 psf for allowable skin friction, ignoring the upper 5 feet and bottom one diameter, and an allowable end bearing of 3,000 psf (assuming a cleaned-out bottom). These recommendations assume that the footings will be embedded firmly against native soil.

The proper construction of caissons is critical to for satisfactory foundation support. Care in drilling and placement of bases and/or steel and concrete will be essential to the quality of the caissons. For end-bearing piles, prior to placement of concrete, loose materials at the bottom of the excavation should be removed. If a flight auger is used for drilling, it may be necessary to drill the bottom 3 feet with a bucket auger to achieve adequate cleanout of loose or disturbed soils. Alternative methods for cleaning the bottom of the caisson boring may be considered.

If the caisson excavation has had standing water for 12 hours or more prior to concrete placement, the bottom should be redrilled at least two more feet and cleaned of loose debris. Standing water should be pumped out prior to pouring concrete. In lieu of removing standing water prior to placing concrete (i.e., pumping water), the concrete may be placed by the tremmie method to displace collected water. The solid tremmie tube should be long enough to reach the bottom, with the lower end immersed in the concrete just deposited. The concrete should not be allowed to be placed through the water. When over 3 inches of water is present in borings, a concrete mix with a strength of 1000 psi over the design strength should be used. An admixture that reduces segregation of paste/aggregates and dilution of paste should be included.

It is possible that caving or sloughing may occur during caisson construction within very granular soil layers.

Concrete placement by pumping and trimie tube starting from the bottom of the caisson borings is recommended. Concrete placement should be continuous. Prior to steel and concrete placement, drilled shaft borings should be observed and accepted by the geotechnical consultant.

3.4 Recommendations for Slabs-On-Grade

Concrete slabs-on-grade should be designed by the structural engineer in accordance with the current CBC for a soil with a very low expansion potential. Testing to confirm the expansion potential of the near surface soil should be conducted during site grading.

Where conventional light floor loading conditions exist, the following minimum recommendations should be used. More stringent requirements may be required by local agencies, the structural engineer, the architect, or the CBC. Slabs-on-grade should have the following minimum recommended components:

Subgrade Over Optimum: The subgrade soil should be moisture conditioned to at least 2 percent above optimum moisture content to a minimum depth of 12 inches prior to placing the moisture retarder, steel or concrete.

Moisture Retarder: A moisture retarder consisting of 10-mil (minimum) Visqueen (or approved equivalent) should be placed below slabs where moisture-sensitive floor coverings or equipment is planned. The moisture retarder should

be underlain by a minimum of 2 inches of sand. The structural engineer should specify pertinent concrete design parameters, such as whether or not a sand blotter layer should be placed over the vapor retarder. Gravel or other protruding objects that could puncture the moisture retarder should be removed from the subgrade prior to placing the retarder.

Concrete Thickness: Slabs-on-grade should be at least 4 inches thick. Reinforcing steel should be designed by the structural engineer, but as a minimum should be No. 3 rebar placed at 18 inches on center, each direction, mid-depth in the slab.

Minor cracking of the concrete as it cures, due to drying and shrinkage is normal and should be expected. However, cracking is often aggravated by a high water/cement ratio, high concrete temperature at the time of placement, small nominal aggregate size, and rapid moisture loss due to hot, dry, and/or windy weather conditions during placement and curing. Cracking due to temperature and moisture fluctuations can also be expected. Low slump concrete can reduce the potential for shrinkage cracking. Additionally, our experience indicates that reinforcement in slabs and foundations can generally reduce the potential for concrete cracking. The structural engineer should consider these components in slab design and specifications.

Moisture retarders can reduce, but not eliminate moisture vapor rise from the underlying soils up through the slab. Floor covering manufacturers should be consulted for specific recommendations. Leighton does not practice in the field of moisture vapor transmission evaluation, since this is not specifically a geotechnical issue. Therefore, we recommend that a qualified person, such as the flooring subcontractor and/or structural engineer, be consulted with to evaluate the general and specific moisture vapor transmission paths and any impact on the proposed construction. That person should provide recommendations for mitigation of potential adverse impact of moisture vapor transmission on various components of the structures as deemed appropriate.

3.5 Retaining Walls

We recommend that retaining walls, if planned for this project, be backfilled with very low expansive soil, and constructed with a backdrain in accordance with the recommendations provided on Figure 8, *Retaining Wall Backfill and Subdrain Detail*. Using expansive soil as retaining wall backfill will result in higher lateral earth pressures exerted on the wall. Based on these recommendations, the following parameters may be used for the design of conventional retaining walls with a level backfill:

Table 2. Retaining Walls with Level Backfill

Conditions	Equivalent Fluid Pressure (pounds-per-cubic-foot)
Active (cantilever)	35
At-Rest (braced)	55
Passive	260 (allowable) (Maximum of 3,500 psf)

Cantilever walls that are designed to yield at least 0.001H, where H is equal to the wall height, may be designed using the active condition. Rigid walls and walls braced at the top should be designed using the at-rest condition. Passive pressure is used to compute soil resistance to lateral structural movement. In addition, for sliding resistance, a frictional resistance coefficient of 0.35 may be used at the concrete and soil interface. The lateral passive resistance should be taken into account only if it is ensured that soil providing passive resistance, embedded against the foundation elements, will remain intact with time. The above lateral earth pressure values do not contain an appreciable factor of safety expect for the passive pressure, which already includes a factor of safety of 1.5. The structural engineer should apply the applicable factors of safety and/or load factors during design.

In addition to the above lateral forces due to retained earth, surcharge due to improvements, such as an adjacent structure or traffic loading, should be considered in the design of the retaining wall. Loads applied within a 1:1 projection from the surcharging structure on the stem of the wall should be considered in the design. A third of uniform vertical surcharge-loads should be applied as a horizontal pressure on cantilever (active) retaining walls, while half of uniform vertical surcharge loads should be applied as a horizontal pressure on braced (at-rest) retaining walls. To account for automobile parking surcharge, we suggest that a uniform horizontal pressure of 100 psf (for restrained walls) or 70 psf (for cantilever walls) be added for design, where autos are parked within a horizontal distance behind the retaining wall less than the height of the retaining wall stem. For sliding and overturning analyses, soil unit weight of 120 pcf may be assumed for calculating the actual weight of soil over wall footings.

Where applicable, an equivalent fluid weight of 15 pcf of incremental seismic earth pressures may be used in addition to static earth pressures presented in the table above, such as for walls over 12 feet tall. For these incremental seismic earth pressure calculations, the Mononabe-Okabe relationship was used. It should be noted that this

recommended seismic earth pressure should be applied as an inverted triangle in vertical section, with the largest earth pressure occurring at the top of the retaining wall. The resultant seismic earth pressure force is applied at approximately 0.6H from the bottom of the wall, where H is the wall height.

Retaining wall footings should have a minimum width of 24 inches and a minimum embedment of 12 inches below the lowest adjacent grade. An allowable bearing pressure of 2,000 psf may be used for retaining wall footing design, based on the minimum footing width and depth. This bearing value may be increased by 300 psf per foot increase in width or depth to a maximum allowable bearing pressure of 4,000 psf.

3.6 Sulfate Attack and Ferrous Corrosion Protection

Concrete structures in contact with the onsite soil are expected to have negligible exposure to water-soluble sulfates in the soil. Therefore, common Type II Portland cement may be used for concrete construction onsite. Concrete should be designed in accordance with Table 4.3.1 of the American Concrete Institute ACI 318-05 provisions (ACI, 2005). Verification testing should be conducted during grading.

The onsite soils are considered moderately corrosive to ferrous metals. A corrosion engineer should be consulted if specific recommendations are required. Corrosion information presented in this report should be provided to your underground utility contractors.

3.7 Pavement Design

Based on the design procedures outlined in the current Caltrans Highway Design Manual and an assumed R-value of 66 for the near-surface silty sand encountered, flexible pavement sections may consist of the following for the Traffic Indices (TI) indicated.

Table 3. Asphalt Pavement Sections

Traffic Index	Asphalt Concrete (AC) Thickness (inches)	Class 2 Aggregate Base (AB) Thickness (inch)
Playground AC (without vehicle traffic)	3	n/a
5 or less (auto access and parking)	3	4
7 (truck access or bus lane)	4	4

If the pavement is to be constructed prior to construction of the structures, we recommend that the full depth of the pavement section be placed in order to support heavy construction traffic.

In areas where rigid concrete pavement is planned for construction, we recommend 7.5 inches of Portland Cement Concrete (PCC) over 4 inches of aggregate base placed on prepared subgrade soil (see Section 3.1). Because the concrete will crack, the PCC pavement sections should be provided with crack-control joints spaced no more than 12 feet on center each way, to control where cracks develop. If sawcuts are used, they should have a minimum depth of ¼ of the slab thickness and made within 24 hours of concrete placement. We recommend that sections be as nearly square as possible. Use of reinforcing, such as No. 3 rebar 24 inches on center, will also help reduce severity of cracking.

PCC sidewalks should be at least 4 inches thick over prepared subgrade soil, with construction joints no more than 8 feet on center each way, with sections as nearly square as possible. Use of reinforcing, such as welded-wire mesh, will help reduce severity of cracking.

All pavement and concrete hardscape construction should be performed in accordance with the Standard Specifications for Public Works Construction. Field inspection and periodic testing, as needed during placement of the base course materials, should be undertaken to evaluate whether the requirements of the standard specifications are fulfilled. Prior to placement of aggregate base, the subgrade soil should be processed to a minimum depth of 6 inches, moisture-conditioned, as necessary, and recompacted to a minimum of 90 percent relative compaction as determined by ASTM Test Method D1557 (95 percent for full depth asphalt, such as for playground areas). Aggregate base should be moisture conditioned, as necessary, and compacted to a minimum of 95 percent relative compaction.

3.8 Temporary Excavations

All temporary excavations, including utility trenches, retaining wall excavations and other excavations should be performed in accordance with project plans, specifications and all OSHA requirements, and the current edition of the California Construction Safety Orders (2003 or more current).

No surcharge loads should be permitted within a horizontal distance equal to the height of cut or 5 feet, whichever is greater from the top of the slope, unless the cut is shored

appropriately. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of any adjacent existing site foundation should be properly shored to maintain support of the adjacent structures.

Cantilever shoring should be designed based on an active fluid pressure of 37 pcf. If excavations are braced at the top and at specific design intervals, the active pressure may then be approximated by a rectangular soil pressure distribution with the pressure per foot of width equal to 22H, where H is equal to the depth of the excavation being shored.

During construction, the soil conditions should be regularly evaluated to verify that conditions are as anticipated. The contractor should be responsible for providing the "competent person" required by Cal-OSHA standards to evaluate soil conditions. Close coordination between the competent person and the geotechnical engineer should be maintained to facilitate construction while providing safe excavations.

3.9 Trench Backfill

Utility-type trenches onsite can be backfilled with onsite material, provided it is free of debris, significant organic material and oversized material. Prior to backfilling the trench, pipes should be bedded and shaded in a granular material that has a sand equivalent of 30 or greater. We recommend that open-graded crushed rock or similar material not be used as bedding material, unless special provisions are implemented to limit the migration of surrounding soil into the open-graded material. The bedding material should extend 12 inches above the top of the pipe. The bedding/shading sand should be densified in-place by mechanical means, or in areas where the trench walls and bottom have a minimum sand equivalent of 15, the bedding sand may be jetted. Bedding sand should be placed in accordance with the Standard Specifications for Public Works Construction (Greenbook), current edition. The native soil fill should be placed in loose layers, moisture conditioned, as necessary, and mechanically compacted using a minimum standard of 90 percent relative compaction based on ASTM D1557. The thickness of layers should be based on the compaction equipment used in accordance with the current Standard Specifications for Public Works Construction (Greenbook).

3.10 Surface Drainage

Positive surface drainage should be provided to direct surface water away from structures and towards suitable collective drainage facilities. Surface drainage should be provided to prevent ponding of water adjacent to structures. In general, the area around the

buildings should slope away from the buildings. Care should be taken to avoid heavy irrigation, and under-irrigation should also be avoided.

3.11 Additional Geotechnical Services

The geotechnical recommendations presented in this report are based on subsurface conditions as interpreted from limited subsurface explorations and limited laboratory testing. Our geotechnical recommendations provided in this report are based on information available at the time the report was prepared and may change as plans are developed. Leighton should review the site and grading plans when available and comment further on the geotechnical aspects of the project. Our conclusions and recommendations should be reviewed and verified by Leighton during construction and revised accordingly if geotechnical conditions encountered vary from our findings and interpretations. Geotechnical observation and testing should be provided:

- During overexcavation of compressible soil.
- During compaction of all fill materials.
- After excavation of all footings and prior to placement of concrete.
- During utility trench bedding, backfilling and compaction.
- During pavement subgrade and base preparation.
- When any unusual conditions are encountered.

3.12 Limitations

This report was based in part on data obtained from a limited number of observations, site visits, soil excavations, samples, and tests. Such information is, by necessity, incomplete. The nature of many sites is such that differing soil or geologic conditions can be present within small distances and under varying climatic conditions. Changes in subsurface conditions can and do occur over time. Therefore, our findings, conclusions, and recommendations presented in this report are based on the assumption that Leighton Consulting, Inc. will provide geotechnical observation and testing during construction.

IMPORTANT: All public school geotechnical reports in California are to be reviewed by the California Geological Survey (CGS) with oversight by the California Division of the State Architect (DSA). CGS and DSA requirements change and evolve with time. Geologic data in this report is not valid for a public school project until it is reviewed and approved by CGS. Anyone using this report before CGS approval does so at their own risk, and we assume they will indemnify, defend and hold harmless Leighton Consulting, Inc. from and against any and all alleged or real damage claims, including consequential

damages, arising from premature use of this report before CGS approval with DSA concurrence.

Environmental services were not included as part of this study. This report was prepared for the sole use of Riverside Unified School District for application to the design of the proposed North High School athletic fields and facilities project in accordance with generally accepted geotechnical engineering practices at this time in California.

3.13 ASFE Important Information about this Geotechnical Engineering Report

See ASFE insert on the following page.

Important Information about Your

Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. No one except you should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you —* should apply the report for any purpose or project except the one originally contemplated.

Read the Full Report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical engineering report that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual

subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject to Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time* to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations" many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, a number of mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; ***none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.***

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ASFE
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Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@asfe.org www.asfe.org

IIGER06075.0MRP

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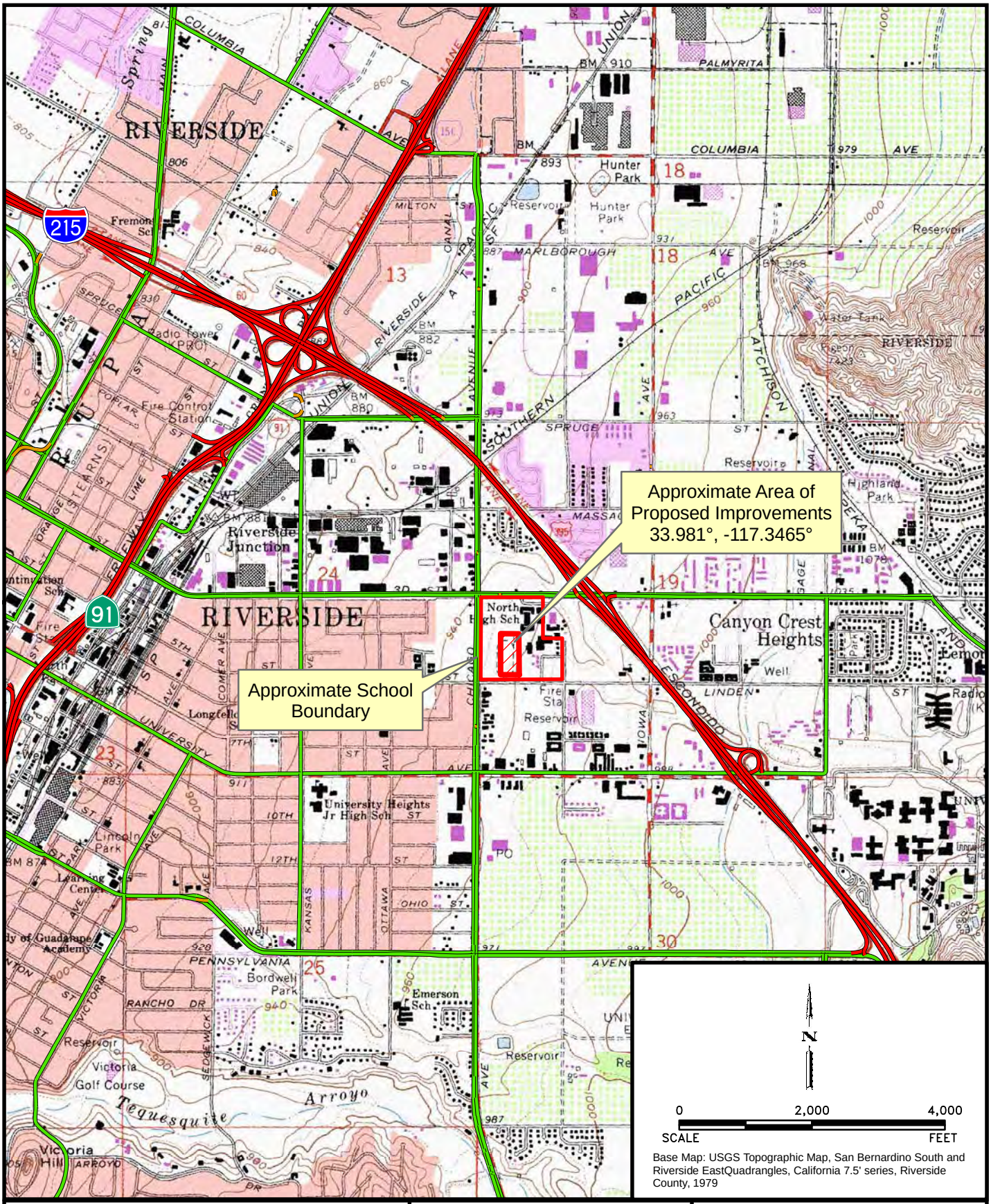

Base Map: USGS Topographic Map, San Bernardino South and Riverside EastQuadrangles, California 7.5' series, Riverside County, 1979

RUSD John W. North High School
1550 Third Street
Riverside, California

SITE LOCATION MAP

Project No.
602879-001

Date
June 2010

Figure 1

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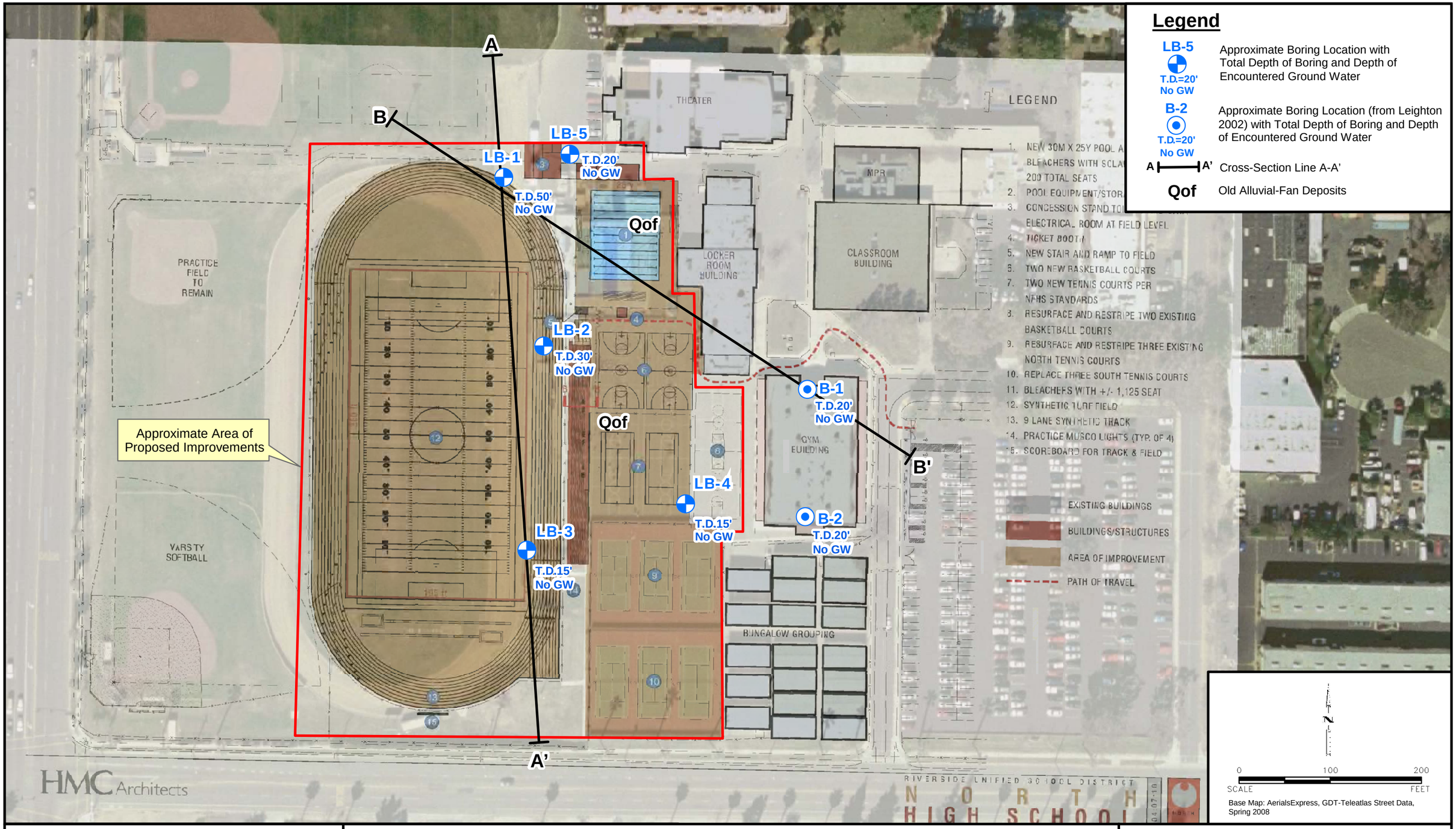


Legend

LB-5 / T.D.=20' / No GW	Approximate Boring Location with Total Depth of Boring and Depth of Encountered Ground Water
B-2 / T.D.=20' / No GW	Approximate Boring Location (from Leighton 2002) with Total Depth of Boring and Depth of Encountered Ground Water
A — A'	Cross-Section Line A-A'
Qof	Old Alluvial-Fan Deposits

0 100 200
SCALE FEET

Base Map: AerialsExpress, GDT-Teleatlas Street Data, Spring 2008

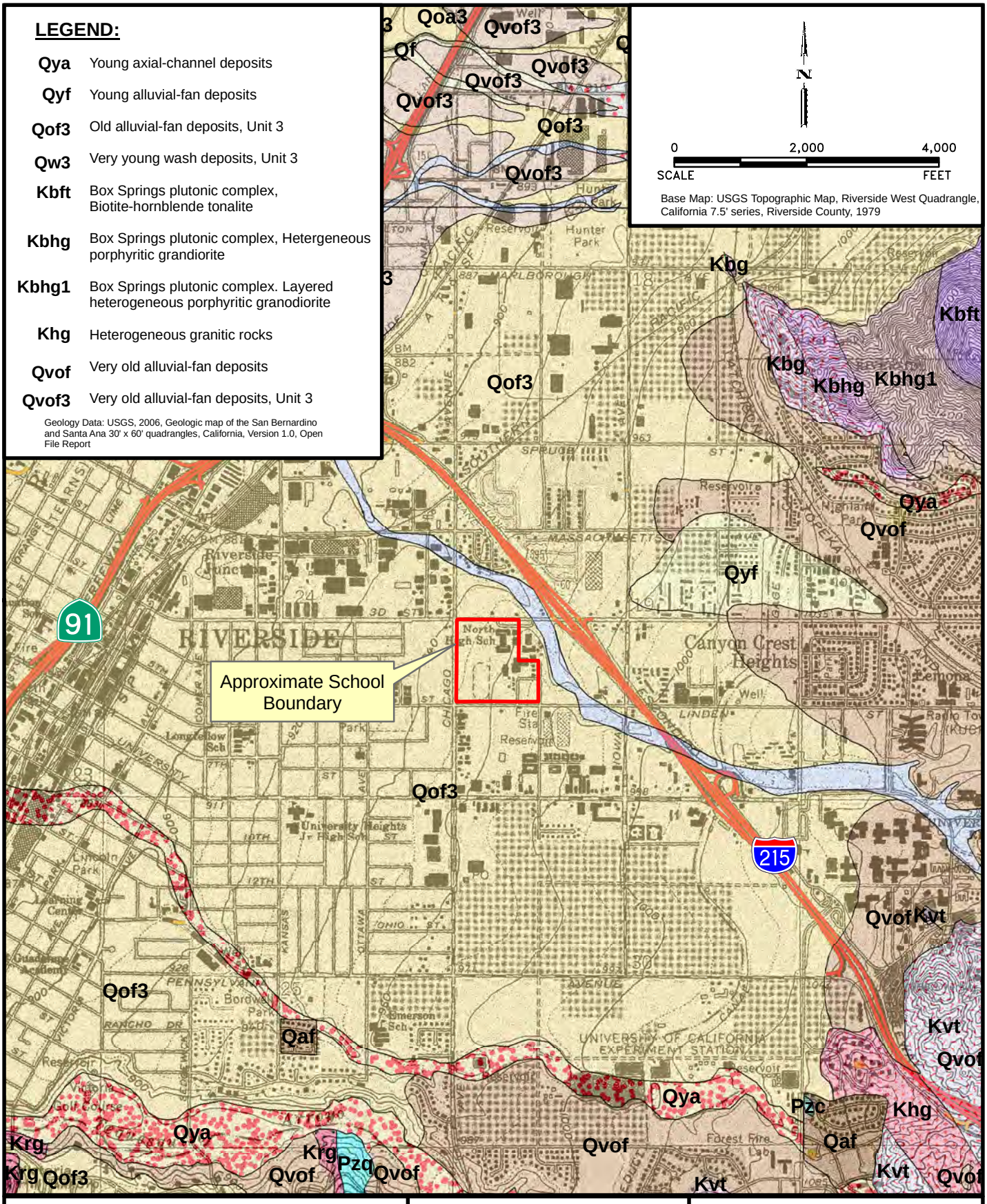
RUSD John W. North High School
1550 Third Street
Riverside, California

GEOTECHNICAL MAP

Project No. **602879-001**	Drafted By **MAM**
Engr./Geol. **JDH/PB**	CP By: **JHD**
Scale **1"=100'**	Date **June 2010**

Figure 2

Map Saved as \\geomatics\data2\Drafting\602879\001\GIS\of_2010-04-22\Figure2-BoringLocationMap.mxd Map Author - MAM -- Printed on 4/08/2010 @ 13:11 hrs



RUSD John W. North High School
1550 Third Street
Riverside, California

REGIONAL GEOLOGIC MAP

Project No.
602879-001

Date
June 2010

Figure 3

\\geomatics\data2\Drafting\602879\001\GIS\of_2010-04-22\Figure2_RegionalGeologyMap.mxd

A

A'

PROPOSED SWIMMING POOL

APPROX. EXISTING GRADE (AND ASSUMED PROPOSED GRADE)

Qof

B-5 Blow Counts per Foot

ML	14
SM	6
SP	13
SP	23
SP	16

B-1 Blow Counts per Foot

SM	15
SP	16
SP	25
SP	17
SP	16
SP	18
SP	28
SP	30
ML	15
ML	22
ML	20

B-2 Blow Counts per Foot

ML	14
SP	13
SP	23
SP	16
SP	16
SP	20
SP	33

B-3 Blow Counts per Foot

SM	23
SP	15
SM	33
SM	26

ELEVATION (feet)

945 940 935 930 925 920 915 910 905 900 895 890 885

-50 0 50 100 150 200 250 300 350 400 450

DISTANCE ALONG PROFILE (feet)

Lithology Graphics

- USCS Silty Sand
- USCS Poorly-graded Sand
- USCS Silt
- Asphalt
- BASE COURSE
- USCS Silty Sand

0 40

Horizontal Scale (feet)

Vertical Exaggeration: 4x

Leighton

Geotechnical Cross Section A-A'

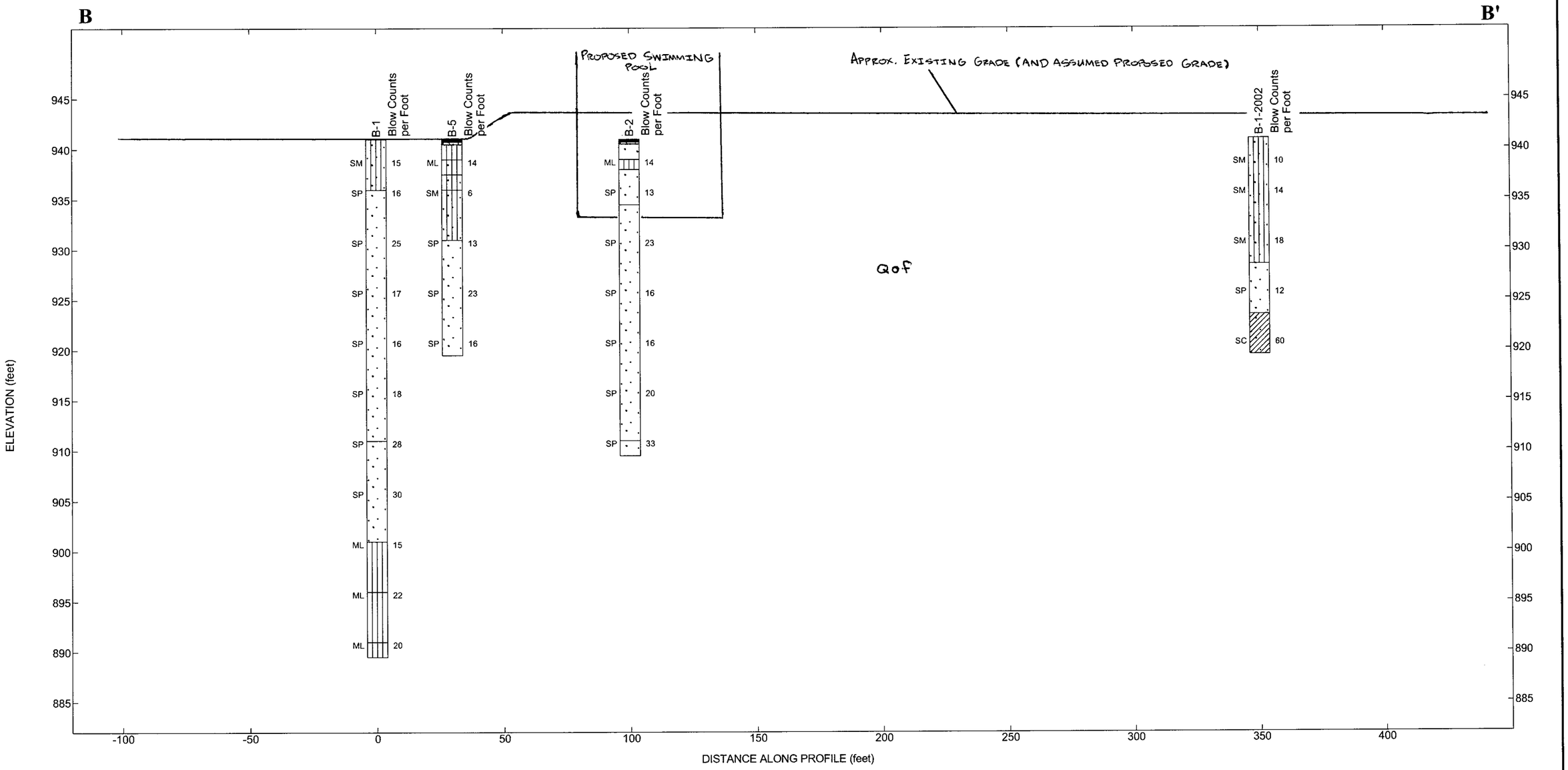
John W North High School, Riverside USD
1550 Third Street, Riverside, California

JOB NUMBER	FIGURE NUMBER
602879-001	Figure 4A

DSA CROSS-SECTION 602878-001 REV FOR CROSS SECTION AA.GPJ FNC AB NWNL01.GDT 6/14/10

B

B'



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0 40

Horizontal Scale (feet)

Vertical Exaggeration: 4x

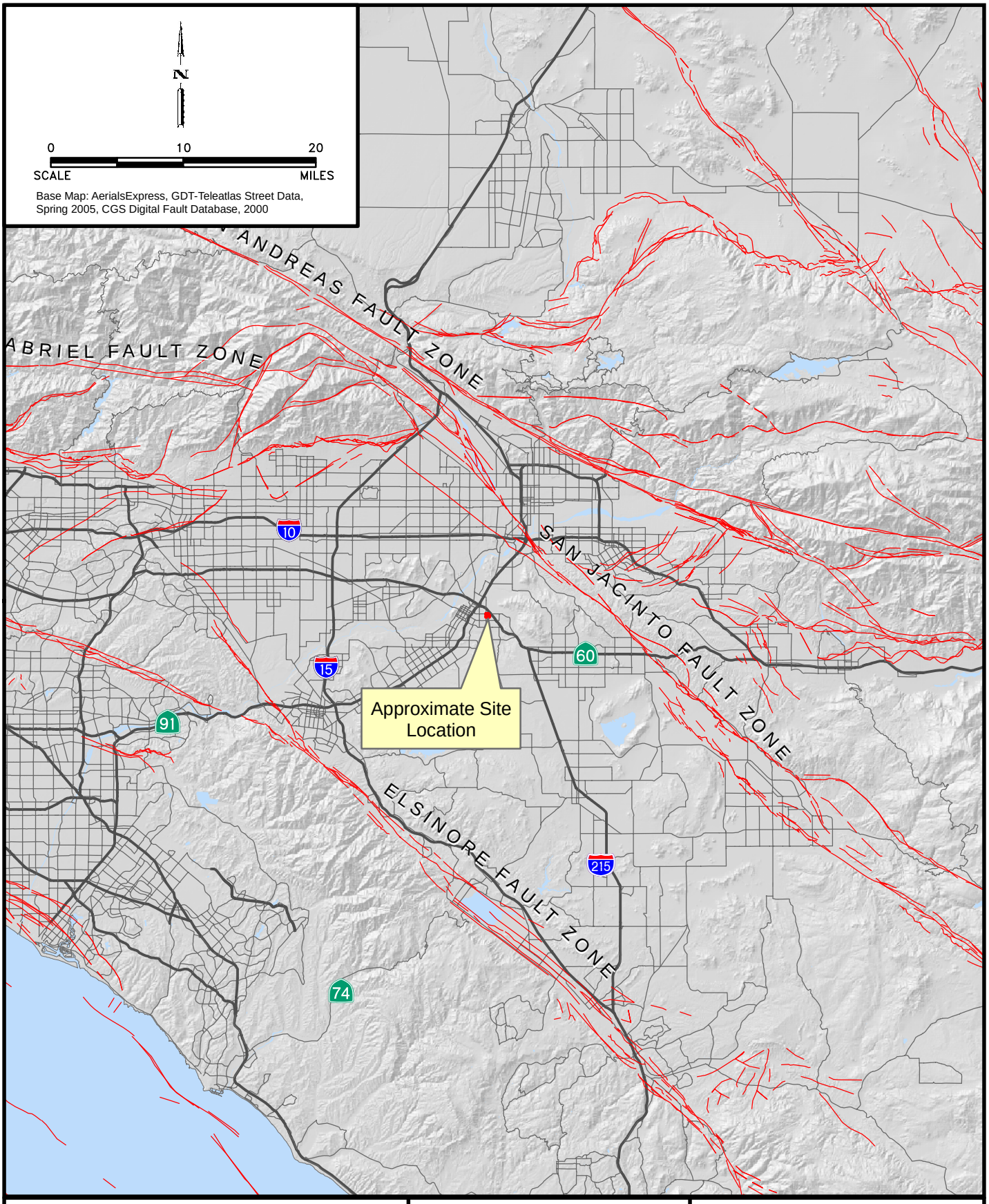
Leighton

Geotechnical Cross Section B-B'

John W North High School, Riverside USD
1550 Third Street, Riverside, California

JOB NUMBER	FIGURE NUMBER
602879-001	Figure 4B

DSA CROSS-SECTION 602878-001 REV FOR CROSS SECTION BB.GPJ FNC.AB NWNL01.GDT 6/14/10



RUSD John W. North High School
1550 Third Street
Riverside, California

REGIONAL FAULT MAP

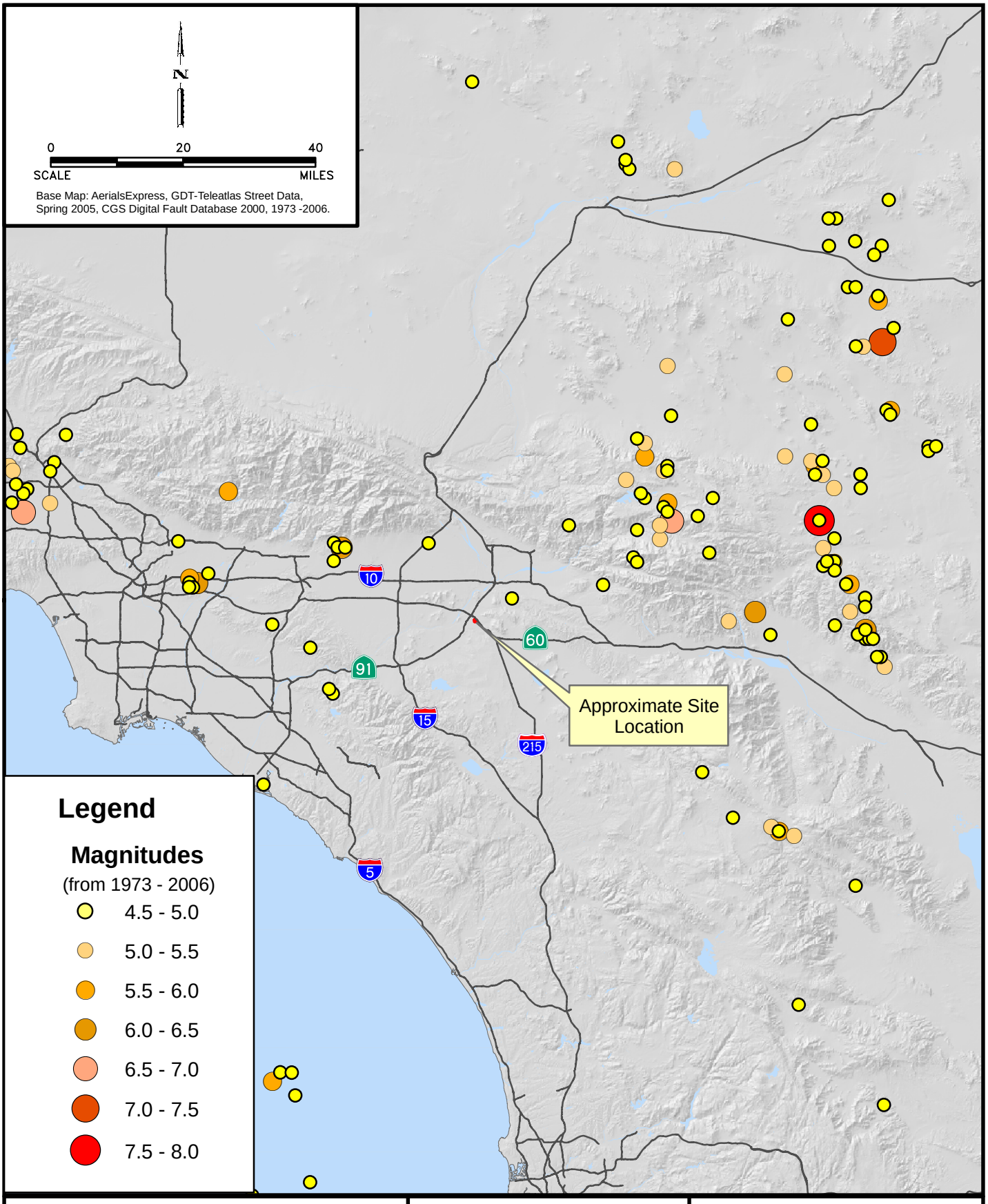
Project No.
602879-001

Engr./Geol.
JDH/PB

Date
June 2010

Figure 5

\\geomatics\data2\Drafting\602879\001\GIS\of_2010-04-22\Figure5_RegionalFaultMap.mxd



RUSD John W. North High School
1550 Third Street
Riverside, California

REGIONAL SEISMICITY MAP

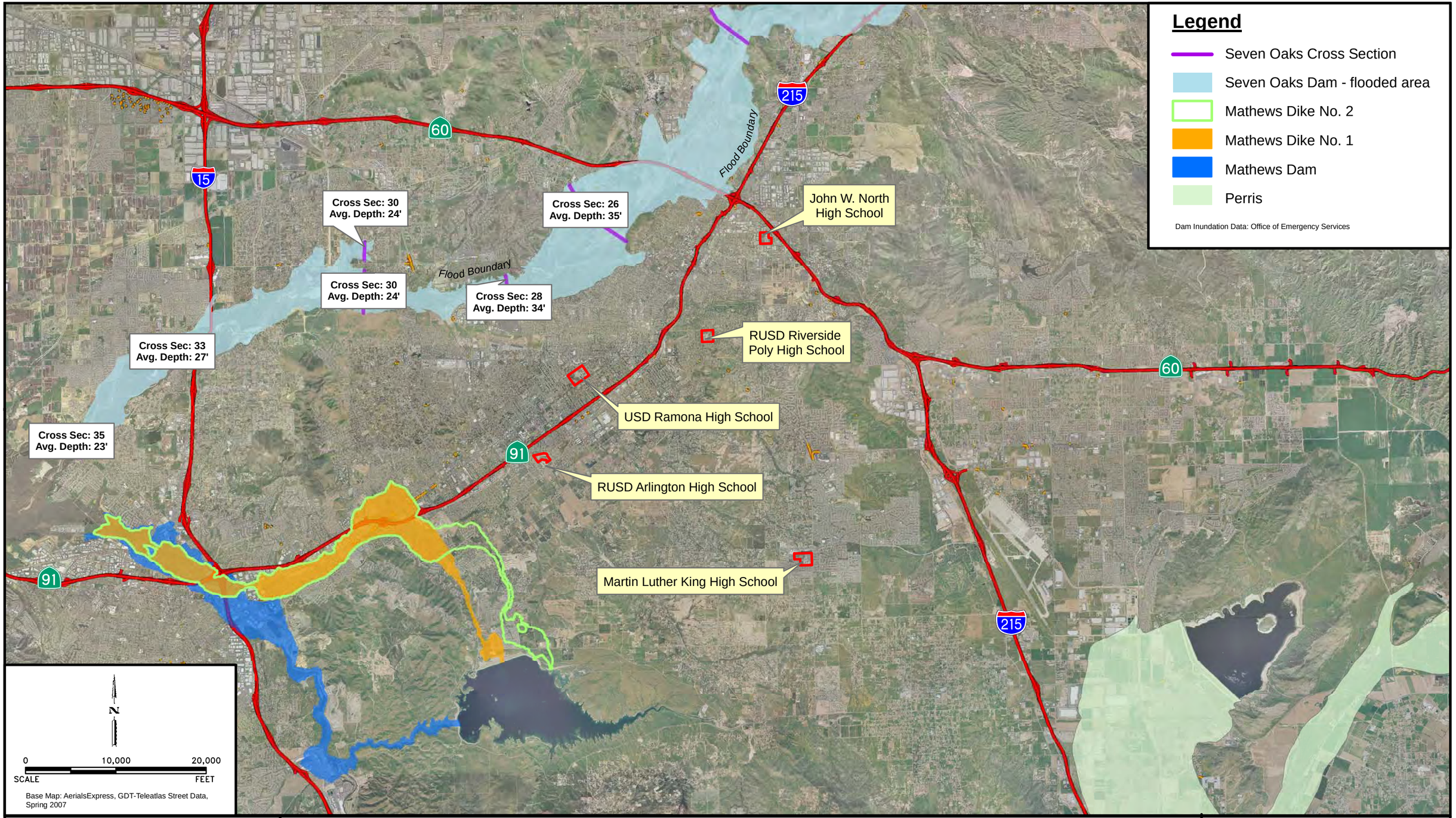
Project No.
602879-001

Engr./Geol.
JDH/PB

Date
June 2010

Figure 6

\\geomatics\data2\Drafting\602437\008\GIS\of_2010-04-21\Figure6-RegionalSeismicityMap.mxd



Riverside Unified School District
Various Schools
Riverside, California

REGIONAL DAM INUNDATION HAZARDS

Project No.

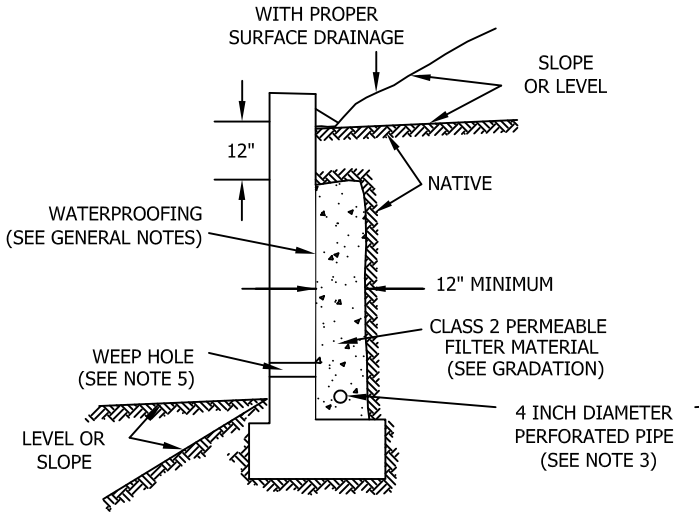
Date
June 2010

Figure 7

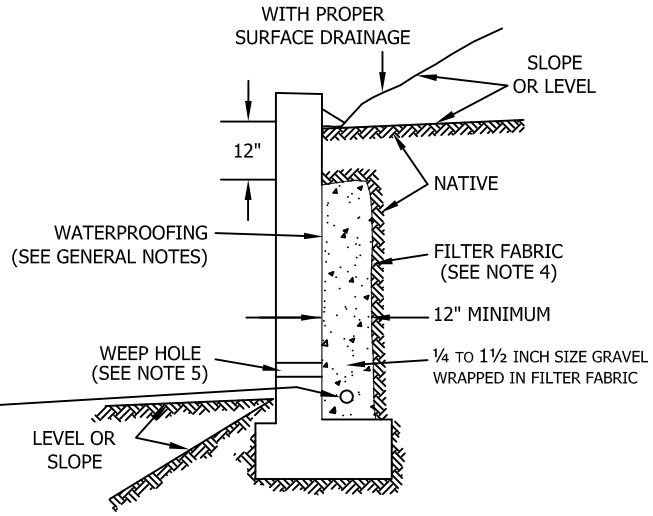
\\GIS\Administration\ArcGISTemplates\NEW_GDT_SiteLocation_Map.mxd

SUBDRAIN OPTIONS AND BACKFILL WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

OPTION 1: PIPE SURROUNDED WITH CLASS 2 PERMEABLE MATERIAL



OPTION 2: GRAVEL WRAPPED IN FILTER FABRIC



Class 2 Filter Permeable Material Gradation
Per Caltrans Specifications

Sieve Size	Percent Passing
1"	100
3/4"	90-100
3/8"	40-100
No. 4	25-40
No. 8	18-33
No. 30	5-15
No. 50	0-7
No. 200	0-3

GENERAL NOTES:

* Waterproofing should be provided where moisture nuisance problem through the wall is undesirable.
* Water proofing of the walls is not under purview of the geotechnical engineer
* All drains should have a gradient of 1 percent minimum
*Outlet portion of the subdrain should have a 4-inch diameter solid pipe discharged into a suitable disposal area designed by the project engineer. The subdrain pipe should be accessible for maintenance (rodding)
*Other subdrain backfill options are subject to the review by the geotechnical engineer and modification of design parameters.

Notes:
1) Sand should have a sand equivalent of 30 or greater and may be densified by water jetting.
2) 1 Cu. ft. per ft. of 1/4- to 1 1/2-inch size gravel wrapped in filter fabric
3) Pipe type should be ASTM D1527 Acrylonitrile Butadiene Styrene (ABS) SDR35 or ASTM D1785 Polyvinyl Chloride plastic (PVC), Schedule 40, Armco A2000 PVC, or approved equivalent. Pipe should be installed with perforations down. Perforations should be 3/8 inch in diameter placed at the ends of a 120-degree arc in two rows at 3-inch on center (staggered)
4) Filter fabric should be Mirafi 140NC or approved equivalent.
5) Weephole should be 3-inch minimum diameter and provided at 10-foot maximum intervals. If exposure is permitted, weepholes should be located 12 inches above finished grade. If exposure is not permitted such as for a wall adjacent to a sidewalk/curb, a pipe under the sidewalk to be discharged through the curb face or equivalent should be provided. For a basement-type wall, a proper subdrain outlet system should be provided.
6) Retaining wall plans should be reviewed and approved by the geotechnical engineer.
7) Walls over six feet in height are subject to a special review by the geotechnical engineer and modifications to the above requirements.

RETAINING WALL BACKFILL AND SUBDRAIN DETAIL FOR WALLS 6 FEET OR LESS IN HEIGHT

WHEN NATIVE MATERIAL HAS EXPANSION INDEX OF ≤50

Leighton

445 Figure 8

P:\Drafting\templates\details\retain-wall-backfill-and subdrain.dwg (7/00)

APPENDIX A

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APPENDIX A

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Aerial Photographs Reviewed:

Date	Flight	Photo Frames	Scale	Agency
1/19/1948	USAF-1	11, 112	1:31,500	USAF
12/20/1957	R122057	26, 27	1:12,000	RCFC
1/28/1962	RCFC62	1-153	1:24,000	RCFC
6/24/1963	R62463	33	1:12,000	RCFC

APPENDIX B

GEOTECHNICAL BORING LOGS

FIELD EXPLORATION

Our field investigation consisted of a surface reconnaissance and a subsurface exploration program. Logs of these subsurface explorations are included as part of this appendix. Approximate soil boring locations are shown on Figure 2, *Geotechnical Map*.

Encountered soils were logged in the field by our representative and described in accordance with the Unified Soil Classification System (ASTM D 2488). Relatively undisturbed soil samples were obtained at selected intervals within these borings using both a California ring-lined and Standard Penetration Test (SPT) split-spoon sampler. Standard Penetration Test (SPT) resistance blow counts were obtained by dropping a 140-pound hammer through a 30-inch free fall. The 2-inch outside diameter split-spoon sampler was driven 18 inches and the number of blows was recorded for each 6 inches of penetration (ASTM D 1586). In addition, 2.4-inch inside diameter brass ring samples were obtained using a Modified California sampler driven into the soil with the 140-pound hammer. Borings were backfilled with soil cuttings obtained during the exploration, and where asphalt pavement was penetrated, patched at the surface with cold asphalt patch. Representative earth-material samples obtained from these subsurface explorations were transported to our geotechnical laboratory for evaluation and appropriate testing.

The attached subsurface exploration logs and related information depict subsurface conditions only at the locations indicated and at the particular date designated on the logs. Subsurface conditions at other locations may differ from conditions occurring at these locations. The passage of time may result in altered subsurface conditions due to environmental changes. In addition, any stratification lines on the logs represent the approximate boundary between soil types and the transition may be gradual.

GEOTECHNICAL BORING LOG LB-1

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	NE of Stadium	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0			Bag-1					QUATERNARY ALLUVIUM (Qof) SANDY SILT (ML), dark brown, moist, fine to medium sand, some fine gravel	
940				R-1	5 7 8	115	6	ML	SANDY SILT (ML), stiff, medium to coarse sand, 57% fines	-200
	5			R-2	5 8 8	119	8	SM	SILTY SAND (SM), loose, dark brown, moist, medium to coarse sand, some fine gravel, 4% gravel, 75% sand, 21% fines	SA
935										
	10			R-3	8 11 14	112	3	SP-SM	Poorly graded SAND with silt (SP-SM), medium dense, with fine gravel	
930										
	15			R-4	7 8 9	110	8	SP-SM	Poorly graded SAND with silt (SP-SM), loose, some fine gravel, 12% fines	-200
925										
	20			S-1	7 7 9			SP-SM	Poorly graded SAND with silt (SP-SM), medium dense, light yellowish brown, some fine gravel, 7% fines	-200
920										
	25			S-2	7 9 9			SP-SM	Poorly graded SAND with silt (SP-SM), with fine gravel	
915										
	30									

The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

GEOTECHNICAL BORING LOG LB-1

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	NE of Stadium	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
									The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
910	30			S-3	6 13 15			SP	SAND (SP), medium dense, light brown, moist, fine to medium sand, some silt, at toe becomes SAND, some fine gravel	
905	35			S-4	10 14 16			SP	SAND (SP), medium to coarse sand, with fine gravel	
900	40			S-5	7 7 8			ML	SANDY SILT to SILTY SAND (ML), medium dense, dark brown, moist, fine to medium sand, 50% fines	-200
895	45			S-6	8 9 13			ML	SILT with sand (ML), medium dense, light brown, moist, fine to medium sand, some fine gravel	
890	50			S-7	6 9 11			SC-SM	SILTY SAND to CLAYEY SAND (SC-SM), medium dense, dark brown, moist, fine to medium sand, low plasticity clay, some fine to medium sand, 42% fines	-200
									Total Depth: 51.5 feet No free groundwater encountered during drilling. Hole backfilled with native soil	
885	55									
	60									

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

GEOTECHNICAL BORING LOG LB-2

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	East of Stadium	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
									The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
940	0			Bag-1					3 inches of Asphalt Concrete over 2.5 inches of Aggregate Base QUATERNARY ALLUVIUM (Qof)	
				R-1	6 6 8	122	10	SM	SILTY SAND (SM), loose, dark brown, moist, medium to coarse sand	
935	5			R-2	5 6 7	117	7	SM	SILTY SAND (SM), loose, some fine gravel	
								SP	SAND (SP), dark brown, moist, medium to coarse grained, oxydized	
930	10			R-3	9 10 13	124	11	SM	SILTY SAND (SM), medium dense, fine to medium sand, 33% fines	-200
925	15			R-4	9 12 14	110	3	SM	SILTY SAND (SM), light yellowish brown, medium to coarse sand, some fine gravel	
920	20			S-1	7 7 9			SP-SM	Poorly graded SAND with silt (SP), 5% fines	-200
915	25			S-2	6 8 12			SM	SILTY SAND (SM), light brownish gray	
	30									

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

GEOTECHNICAL BORING LOG LB-2

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	East of Stadium	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
910	30			S-3	10 14 19			SP	SAND (SP), dense, light yellowish brown, moist, medium to coarse sand, some fine gravel	
									Total Depth: 31.5 feet No free groundwater encountered during drilling. Hole backfilled with native soil and top 3 inches patched with cold-mixed asphalt.	
905	35									
900	40									
895	45									
890	50									
885	55									
	60									

The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

GEOTECHNICAL BORING LOG LB-3

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	East of Stadium	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log (N / S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
									The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
940	0			Bag-1					QUATERNARY ALLUVIUM (Qof)	
				R-1	6 10 13	116	4	SM	SILTY SAND (SM), medium dense, dark brown, moist, medium to coarse sand, some silt and fine gravel, oxydized	
935	5			R-2	11 8 7	120	8	SM	SILTY SAND (SM), loose, dark brown, moist, medium sand, 2% gravel, 72% sand, 26% fines	SA
930	10			R-3	10 14 19	117	13	SM	SILTY SAND (SM), medium dense, dark brown, moist, fine sand, some fine gravel, compacted silt	
925	15			R-4	9 13 13	123	11	SM	SILTY SAND to SANDY SILT (SM-ML), medium dense, dark brown, moist, fine sand, some fine gravel	
920	20								Total Depth: 16.5 feet No free groundwater encountered during drilling. Hole backfilled with native soil	
915	25									
	30									

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

GEOTECHNICAL BORING LOG LB-4

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	North of Tennis Courts	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
940	0			Bag-1					3 inches of Asphalt Concrete over 3 inches of Aggregate Base QUATERNARY ALLUVIUM (Qof) SILTY SAND (SM), light brown, moist, fine sand	
				R-1	3 3 4	117	8	SM	SILTY SAND (SM), very loose, nonplastic, some fine gravel, 44% fines	-200, AL
								SM	SILTY SAND (SM), light brown, moist, fine sand, some fine gravel	
935	5			R-2	3 4 4	116	6	SM	SILTY SAND (SM), loose, light reddish brown, moist, fine sand, some silt and fine gravel, oxidized, 25% fines	-200, CO
930	10			R-3	5 8 9	112	11	SM	SANDY SILT to SILTY SAND (ML), loose, light brown, moist, very fine sand, some fine gravel	CO
925	15			R-4	7 11 18	114	13	SM	SANDY SILT to SILTY SAND (ML), medium dense	
									Total Depth: 16.5 feet No free groundwater encountered during drilling. Hole backfilled with native soil and top 3 inches patched with cold-mixed asphalt.	
920	20									
915	25									
	30									

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

GEOTECHNICAL BORING LOG LB-5

Project No.	602879-001	**Date Drilled**	4-8-10
Project	John W North High School, Riverside USD	**Logged By**	AB
Drilling Co.	WDI Drilling	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Autohammer - 30" Drop	**Ground Elevation**	941'
Location	North of Pool	**Sampled By**	AB

Elevation Feet	Depth Feet	Graphic Log (N S)	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
									The Soil Description applies only to a location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
940	0			Bag-1					3 inches of Asphalt Concrete over 3 inches of Aggregate Base	
									QUATERNARY ALLUVIUM (Qof)	
								SM	SILTY SAND (SM), dark brown, moist, very fine sand, some fine gravel	
				R-1	5 7 7	115	10	SM-ML	SILTY SAND to SANDY SILT (SM-ML), loose, light gray, moist, fine sand	
								SM	SILTY SAND (SM), light gray, moist, fine sand	
935	5			R-2	3 3 3	113	7	SM	SILTY SAND (SM), very loose, some fine gravel	CN
930	10			R-3	3 5 8	112	6	SP	SAND with silt and gravel (SP), loose, light brown, moist, fine to medium sand, fine gravel	
925	15			R-4	8 11 12	109	3	SP	SAND (SP), medium dense, light yellowish brown, moist, medium to coarse sand	
920	20			S-1	6 8 8			SP	SAND with gravel (SP), loose, fine gravel	
915	25								Total Depth: 21.5 feet No free groundwater encountered during drilling. Hole backfilled with native soil and top 3 inches patched with cold-mixed asphalt.	
	30									

SAMPLE TYPES:

S	SPLIT SPOON	G	GRAB SAMPLE
R	RING SAMPLE	C	CORE SAMPLE
B	BULK SAMPLE		
T	TUBE SAMPLE		

TYPE OF TESTS:

DS	DIRECT SHEAR	SA	SIEVE ANALYSIS	-200	% FINES PASSING
MD	MAXIMUM DENSITY	SE	SAND EQUIVALENT	AL	ATTERBERG LIMITS
CN	CONSOLIDATION	EI	EXPANSION INDEX	CO	COLLAPSE
CR	CORROSION	RV	R VALUE	PP	POCKET PENETROMETER
UC	UNCONFINED COMPRESSIVE STRENGTH				

Exploration Logs from Leighton and Associates, Inc., 2002

GEOTECHNICAL BORING LOG B-1-02

Date 10-2002 Sheet 1 of 1

Project RUSD John W. North High School Project No. 020814-001

Drilling Co. 2R Drilling, Inc. Type of Rig Hollow-stem auger

Hole Diameter 8 in Drive Weight 140 lb (automatic hammer) Drop 30 in.

Elevation Top of Hole (ft) _____ Location See Boring Location Map

Logged By PP

Sampled By PP

Elevation (Feet)	Depth (Feet)	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density (pcf)	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
	0			Bag 1					Asphalt Concrete = 3" No Base
				R-1	10	122.2	4.4	SM	2' : Clayey Silty SAND, reddish brown, moist, loose, fine to coarse sand, some fine gravel, slightly porous, friable
	5			R-2	14	113.3	5.8	SM	5' : Clayey Silty SAND, reddish brown, moist, loose, fine to coarse sand, some fine gravel, slightly porous, friable
	10			R-3	18	118.2	9.5	SM	10' : Clayey SAND, reddish brown, moist, medium dense, fine to coarse sand, slightly porous, friable
	15			S-1	12			SP	15' : SAND, traces of clay/silt, orangish brown, moist, medium dense, fine to coarse sand
	20			S-2	60			SC	20' : Clayey SAND, reddish brown, moist, very dense, fine to coarse sand, broken into layer by layer
									Total Depth = 21.5 feet No Groundwater was encountered. Backfilled with native soil and capped with asphalt.
	25								
	30								

SAMPLE TYPES: Bag=Bulk, R=2.5-in. Ring (Ca Mod), S=SPT, T=Shelby Tube

Leighton and Associates

GEOTECHNICAL BORING LOG B-2-02

Date 10-2002 | Sheet 1 of 1

Project RUSD John W. North High School | Project No. 020814-001

Drilling Co. 2R Drilling, Inc. | Type of Rig Hollow-stem auger

Hole Diameter 8 in | Drive Weight 140 lb (automatic hammer) | Drop 30 in.

Elevation Top of Hole (ft) | Location See Boring Location Map

Logged By PP

Sampled By PP

Elevation (Feet)	Depth (Feet)	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density (pcf)	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
	0			Bag 1					Asphalt Concrete = 3" No Base
				R-1	17	123.5	4.4	SM	2' : Clayey Silty SAND, orangish brown, moist, medium dense, fine to coarse sand, slightly porous, friable, slightly porous, rootlets
	5			R-2	16	110.8	4.6	SM	5' : Clayey Silty SAND, orangish brown, moist, loose, fine to coarse sand, slightly porous, friable, slightly porous, rootlets
	10			R-3	38	115.5	10.7	SM	10' : Clayey Silty SAND, dark brown, moist, medium dense, fine to coarse sand, slightly porous, friable, slightly porous
	15			S-1	11			SP	15' : Gravelly SAND, traces of clay, orangish brown, moist, medium dense, fine to coarse sand, fine gravel
	20			S-2	24			SC	20' : Clayey SAND, brown, moist, medium dense, fine to coarse sand, friable, fine gravel
	25								Total Depth = 21.5 feet No Groundwater was encountered. Backfilled with native soil and capped with asphalt.
	30								

SAMPLE TYPES: Bag=Bulk, R=2.5-in. Ring (Ca Mod), S=SPT, T=Shelby Tube

Leighton and Associates

APPENDIX C

LABORATORY TEST RESULTS

Leighton

ATTERBERG LIMITS

ASTM D 4318

Project Name:	John W. North High School	Tested By:	V. Juliano	Date:	04/30/10
Project No. :	602879-001	Input By:	J. Ward	Date:	05/05/10
Boring No.:	LB-4	Checked By:	J. Ward		
Sample No.:	R-1	Depth (ft.)	2.0		
Soil Identification:	Brown silty sand (SM)				

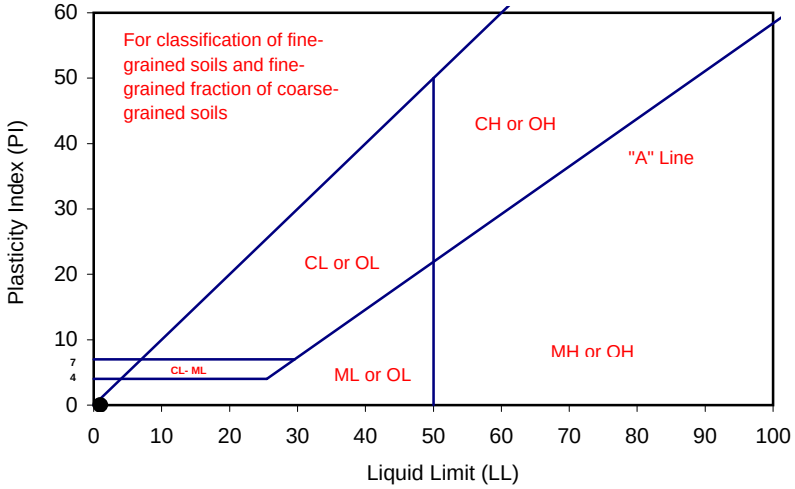
TEST	PLASTIC LIMIT		LIQUID LIMIT			
NO.	1	2	1	2	3	4
Number of Blows [N]			7			
Wet Wt. of Soil + Cont. (g)	**Cannot be rolled:**		25.54	**Cannot get more than 7 blows:**		
Dry Wt. of Soil + Cont. (g)	**NonPlastic**		23.61	**NonPlastic**		
Wt. of Container (g)			13.49			
Moisture Content (%) [Wn]			19.07			

Liquid Limit	**NP**
Plastic Limit	**NP**
Plasticity Index	**NP**
Classification	**NP**

PI at "A" - Line = 0.73(LL-20) =

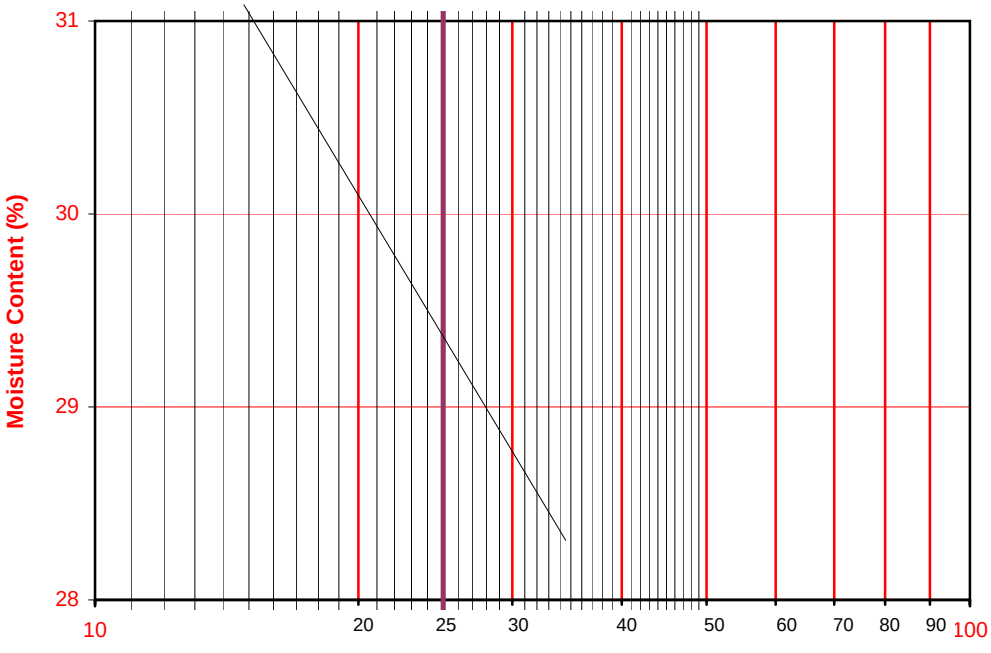
One - Point Liquid Limit Calculation

$LL = Wn(N/25)^{0.12}$



PROCEDURES USED

- [ ] Wet Preparation
  Multipoint - Wet
- [X] Dry Preparation
  Multipoint - Dry
- [X] Procedure A
  Multipoint Test
- [ ] Procedure B
  One-point Test

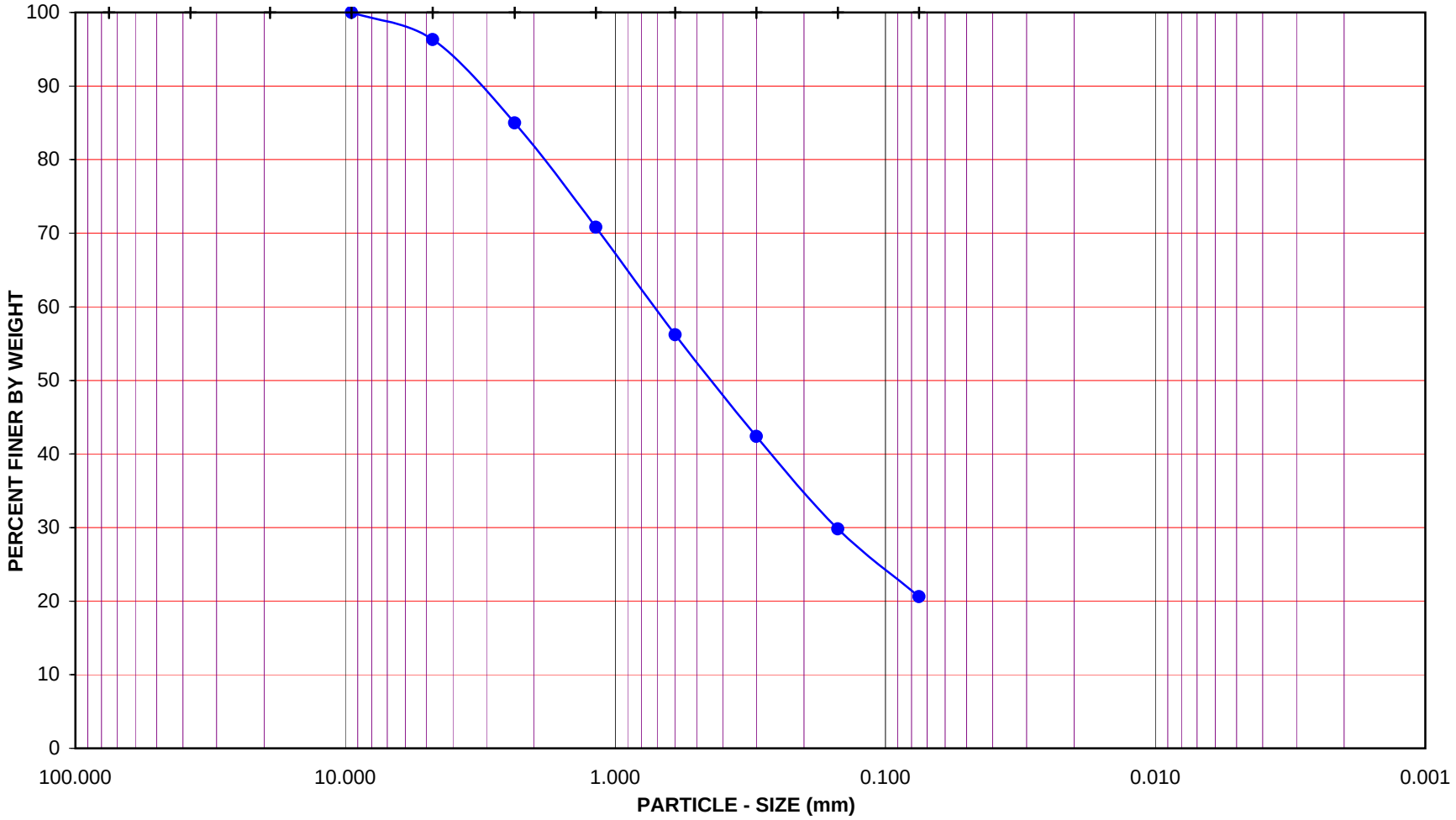


GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: John W. North High School

Project No.: 602879-001

Exploration No.: LB-1 Sample No.: R-2

Depth (feet): 5.0 Soil Type : SM

Soil Identification: Brown silty sand (SM)

GR:SA:FI : (%) 4 : 75 : 21

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

May-10

463

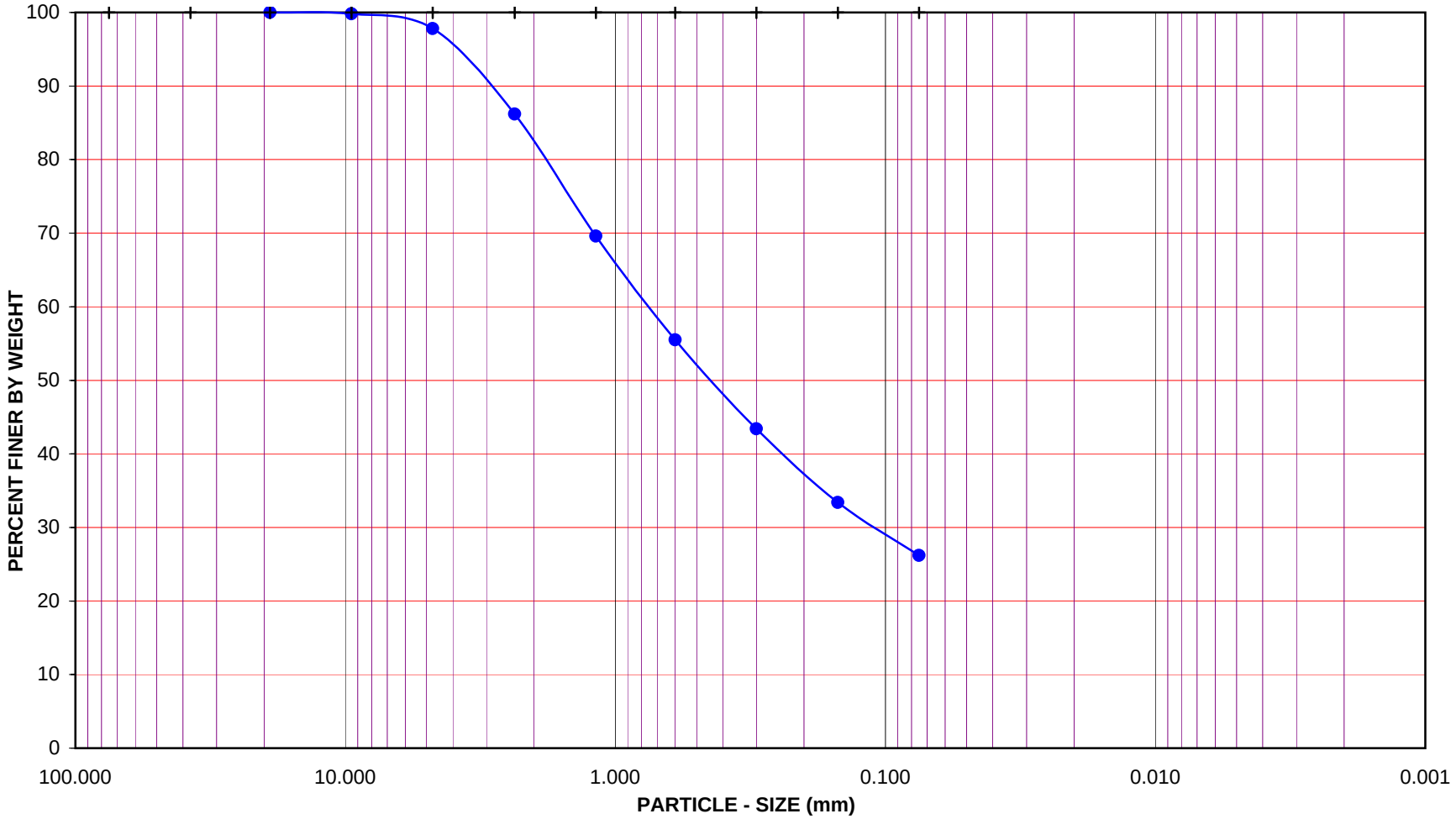
SA LB-1, R-2 @ 5

GRAVEL		SAND			FINES	
COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8"

U.S. STANDARD SIEVE NUMBER: #4 #8 #16 #30 #50 #100 #200

HYDROMETER



Project Name: John W. North High School

Project No.: 602879-001

Exploration No.: LB-3 Sample No.: R-2

Depth (feet): 5.0 Soil Type : SM

Soil Identification: Brown silty sand (SM)

GR:SA:FI : (%) 2 : 72 : 26

Leighton

PARTICLE - SIZE DISTRIBUTION ASTM D 6913

May-10

SA LB-3, R-2 @ 5

Boring No.	LB-1	LB-1	LB-1	LB-1	LB-1	LB-2	LB-2	LB-4
Sample No.	R-1	R-4	S-1	S-5	S-7	R-3	S-1	R-1
Depth (ft.)	2	15	20	40	50	10	20	2
Sample Type	Drive	Drive	SPT	SPT	SPT	Drive	SPT	Drive
Soil Identification	Brown sandy silt s(ML)	Brown poorly-graded sand with silt (SP-SM)	Light gray poorly-graded sand with silt (SP-SM)	Brown sandy silt s(ML)	Brown silty, clayey sand (SC-SM)	Brown silty sand (SM)	Light brown poorly-graded sand with silt (SP-SM)	Brown silty sand (SM)
Moisture Correction								
Wet Weight of Soil + Container (g)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dry Weight of Soil + Container (g)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Weight of Container (g)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Moisture Content (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sample Dry Weight Determination								
Weight of Sample + Container (g)	669.50	532.40	569.20	617.50	627.50	739.70	629.80	715.10
Weight of Container (g)	135.80	126.80	140.10	140.70	133.00	154.80	133.30	220.30
Weight of Dry Sample (g)	533.70	405.60	429.10	476.80	494.50	584.90	496.50	494.80
Container No.:								
After Wash								
Method (A or B)	B	B	B	B	B	B	B	B
Dry Weight of Sample + Cont. (g)	367.10	485.60	539.30	381.40	418.00	547.20	604.20	497.10
Weight of Container (g)	135.80	126.80	140.10	140.70	133.00	154.80	133.30	220.30
Dry Weight of Sample (g)	231.30	358.80	399.20	240.70	285.00	392.40	470.90	276.80
% Passing No. 200 Sieve	**56.7**	**11.5**	**7.0**	**49.5**	**42.4**	**32.9**	**5.2**	**44.1**
% Retained No. 200 Sieve	43.3	88.5	93.0	50.5	57.6	67.1	94.8	55.9

Leighton

PERCENT PASSING
No. 200 SIEVE
ASTM D 1140

Project Name: John W. North High School
Project No.: 602879-001
Client Name: LCI / Rancho Cucamonga
Tested By: S. Felter Date: 04/28/10

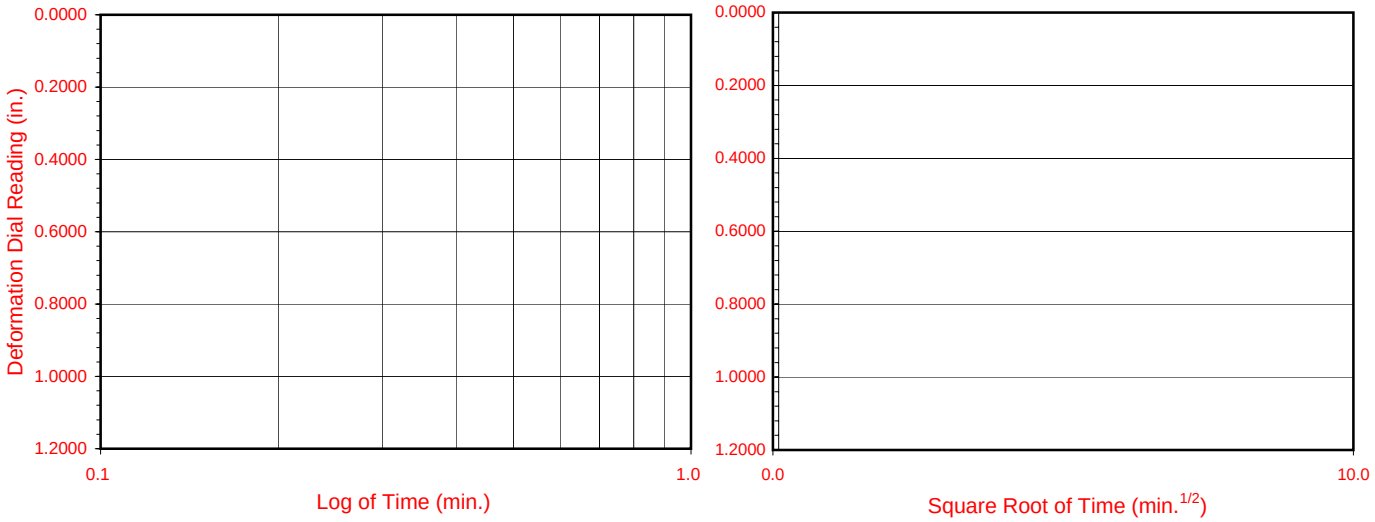
Boring No.	LB-4							
Sample No.	R-2							
Depth (ft.)	5							
Sample Type	Drive							
Soil Identification	Brown silty, clayey sand (SC-SM)							
Moisture Correction								
Wet Weight of Soil + Container (g)	0.00							
Dry Weight of Soil + Container (g)	0.00							
Weight of Container (g)	1.00							
Moisture Content (%)	0.00							
Sample Dry Weight Determination								
Weight of Sample + Container (g)	688.60							
Weight of Container (g)	137.80							
Weight of Dry Sample (g)	550.80							
Container No.:								
After Wash								
Method (A or B)	B							
Dry Weight of Sample + Cont. (g)	549.50							
Weight of Container (g)	137.80							
Dry Weight of Sample (g)	411.70							
% Passing No. 200 Sieve	**25.3**							
% Retained No. 200 Sieve	74.7							

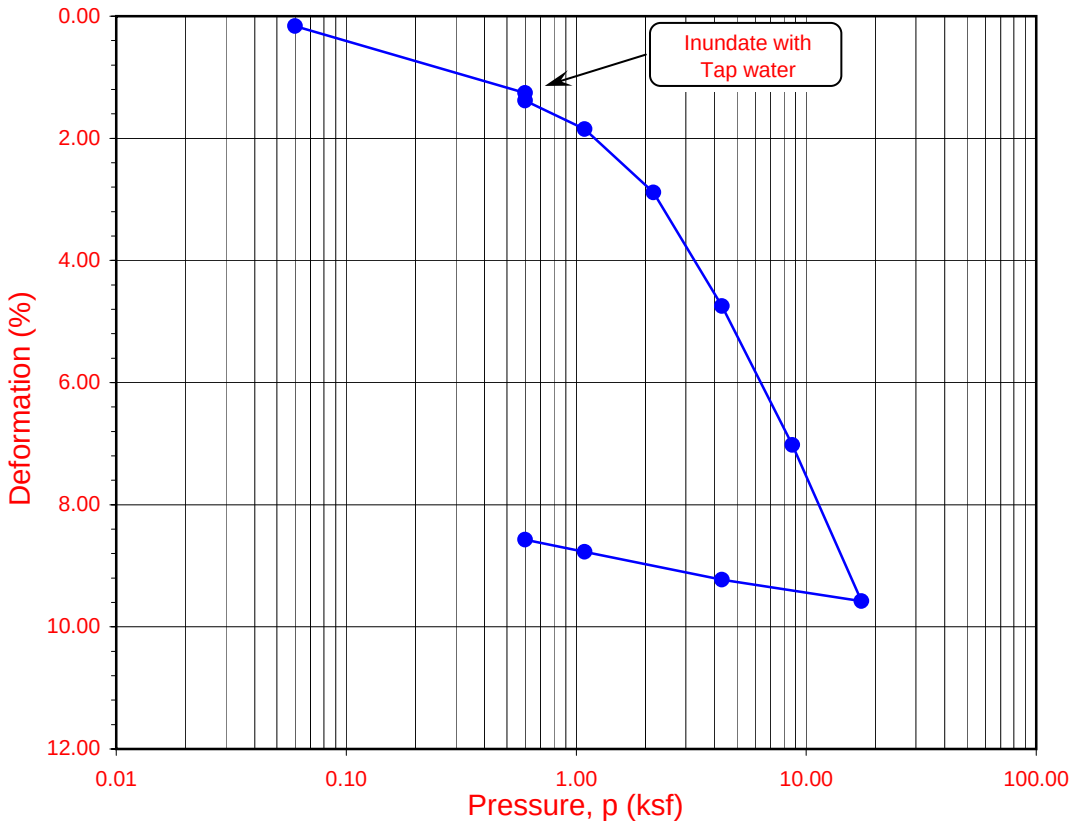
Leighton

PERCENT PASSING
No. 200 SIEVE
ASTM D 1140

Project Name: John W. North High School
Project No.: 602879-001
Client Name: LCI / Rancho Cucamonga
Tested By: S. Felter Date: 04/28/10

No Time Readings





Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
LB-5	**R-2**	**5**	**6.7**	**13.0**	**114.9**	**124.4**	**0.468**	**0.342**	**39**	**99**

Soil Identification: Brown silty sand (SM)

Leighton

ONE-DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS
(ASTM D 2435)

Project No.: 602879-001

John W. North High School

05-10

Leighton

One-Dimensional Swell or Settlement Potential of Cohesive Soils

(ASTM D 4546)

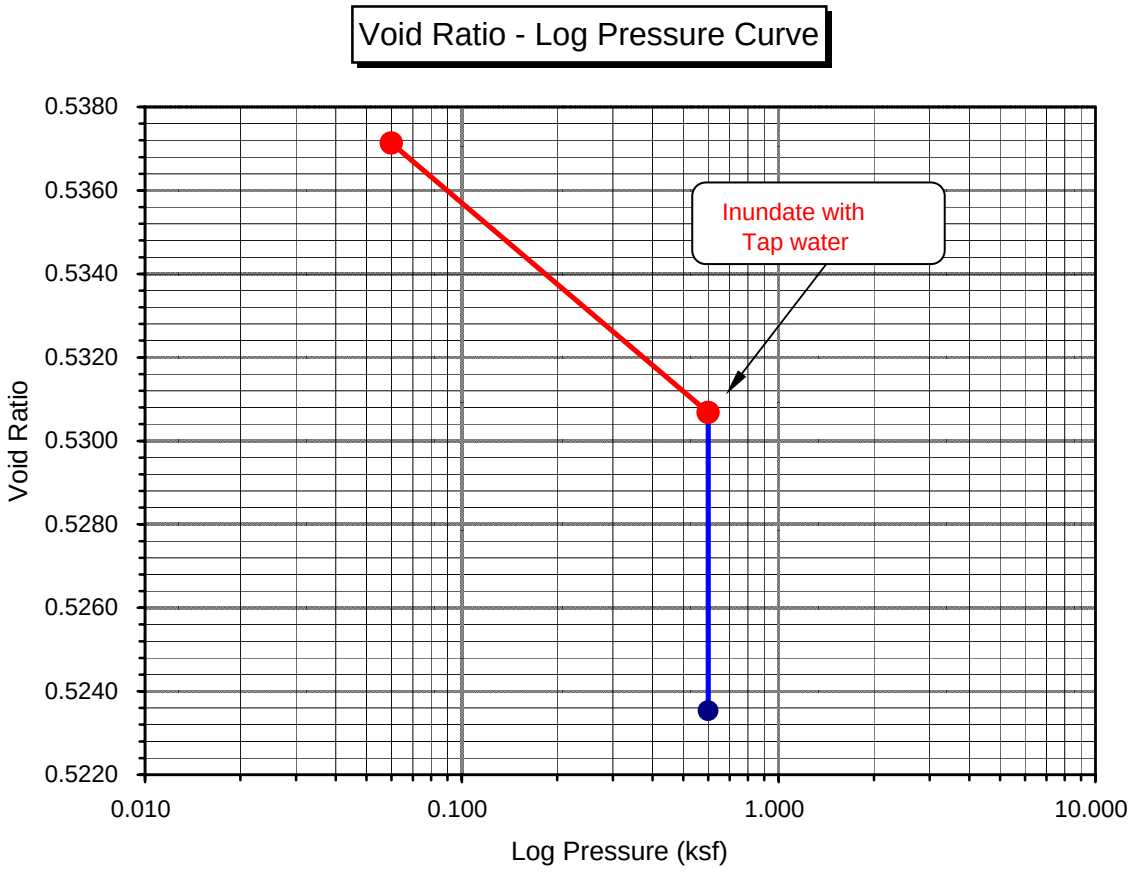
Project Name:	John W. North High School	Tested By:	G. Bathala	Date:	05/03/10
Project No.:	602879-001	Checked By:	J. Ward	Date:	05/06/10
Boring No.:	LB-4	Sample Type:	Drive		
Sample No.:	R-2	Depth (ft.)	5.0		
Sample Description:	Brown silty, clayey sand (SC-SM)				

Initial Dry Density (pcf):	109.7
Initial Moisture (%):	5.78
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1507
Diameter(in):	2.416

Final Dry Density (pcf):	110.6
Final Moisture (%) :	15.7
Initial Void ratio:	0.5370
Specific Gravity(assumed):	2.70
Initial Saturation (%)	29.1

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1506	1.0001	0.00	0.01	0.5371	0.01
0.600	0.1548	0.9959	0.00	-0.41	0.5307	-0.41
H2O	0.1595	0.9913	0.00	-0.88	0.5235	-0.88

Percent Swell (+) / Settlement (-) After Inundation = -0.47



Leighton

One-Dimensional Swell or Settlement Potential of Cohesive Soils

(ASTM D 4546)

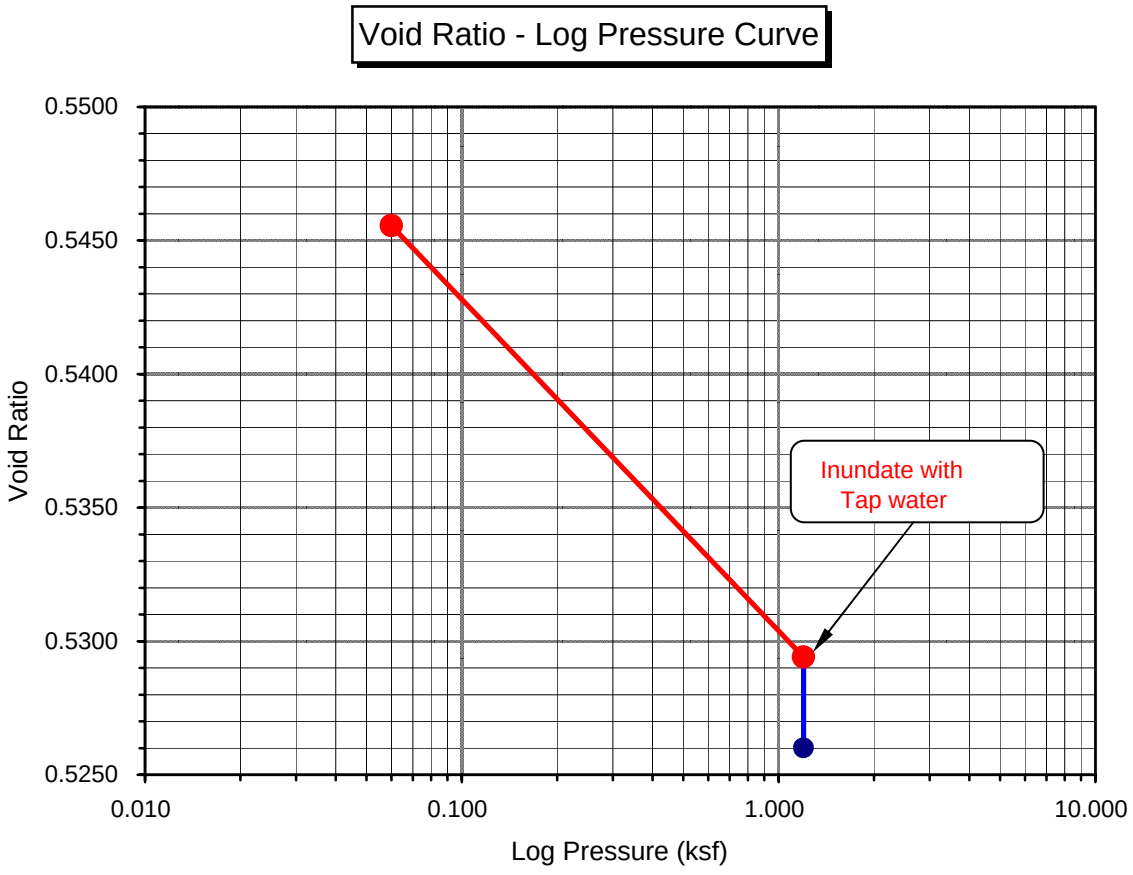
Project Name:	John W. North High School		Tested By:	G. Bathala	Date: 05/04/10
Project No.:	602879-001		Checked By:	J. Ward	Date: 05/06/10
Boring No.:	LB-4		Sample Type:	Drive	
Sample No.:	R-3		Depth (ft.)	10.0	
Sample Description:	Brown silty clay with sand (CL-ML)s				

Initial Dry Density (pcf):	109.1
Initial Moisture (%):	10.60
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1186
Diameter(in):	2.416

Final Dry Density (pcf):	110.5
Final Moisture (%) :	18.0
Initial Void ratio:	0.5456
Specific Gravity(assumed):	2.70
Initial Saturation (%)	52.5

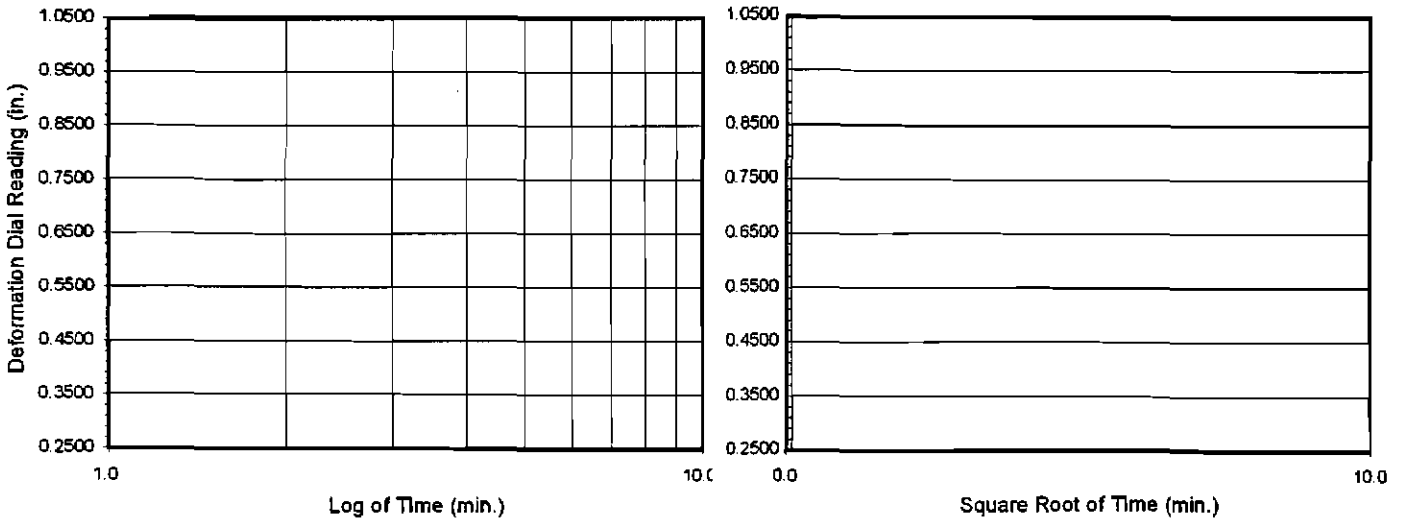
Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1187	1.0000	0.00	0.00	0.5456	0.00
1.200	0.1291	0.9895	0.00	-1.05	0.5294	-1.05
H2O	0.1313	0.9873	0.00	-1.27	0.5260	-1.27

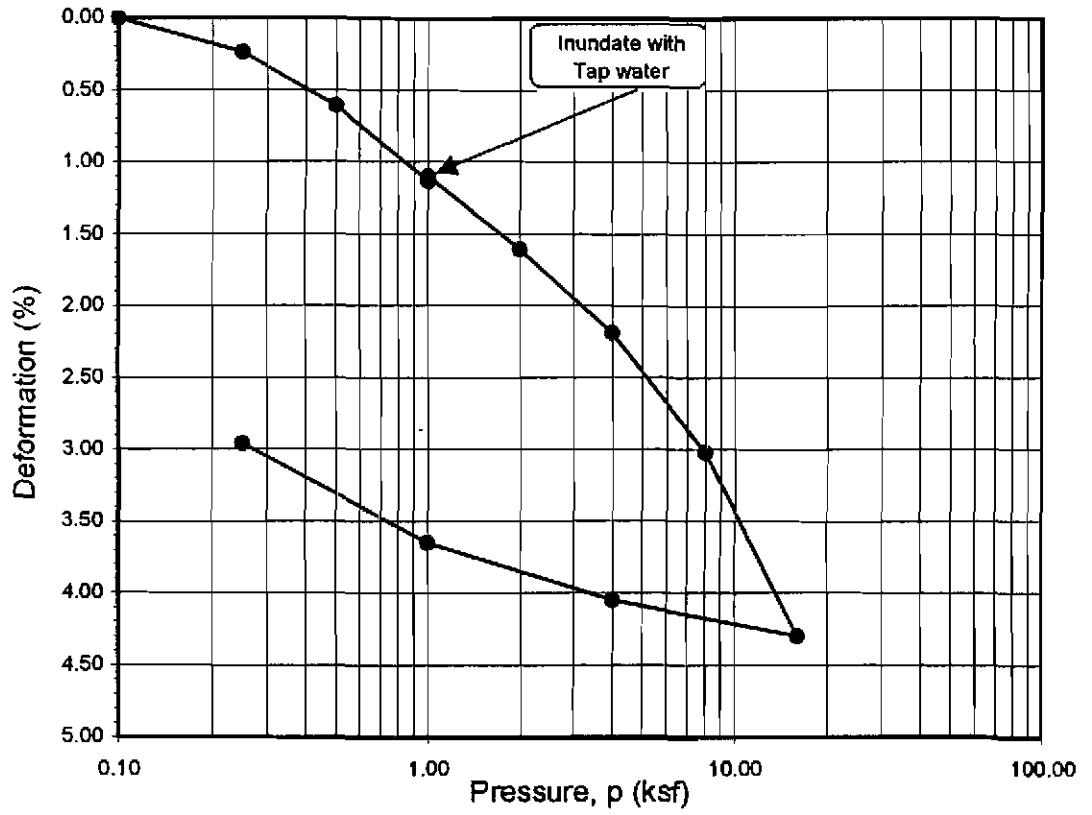
Percent Swell (+) / Settlement (-) After Inundation = -0.22



Laboratory Test Results from Leighton and Associates, Inc., 2002

NoTime Readings





Boring No.	Sample No.:	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
B-1	**R-3**	**10**	**9.5**	**14.4**	**118.2**	**121.0**	**0.426**	**0.384**	**60**	**99**

Sample Description:

Dark Brown silty Sand (SM)

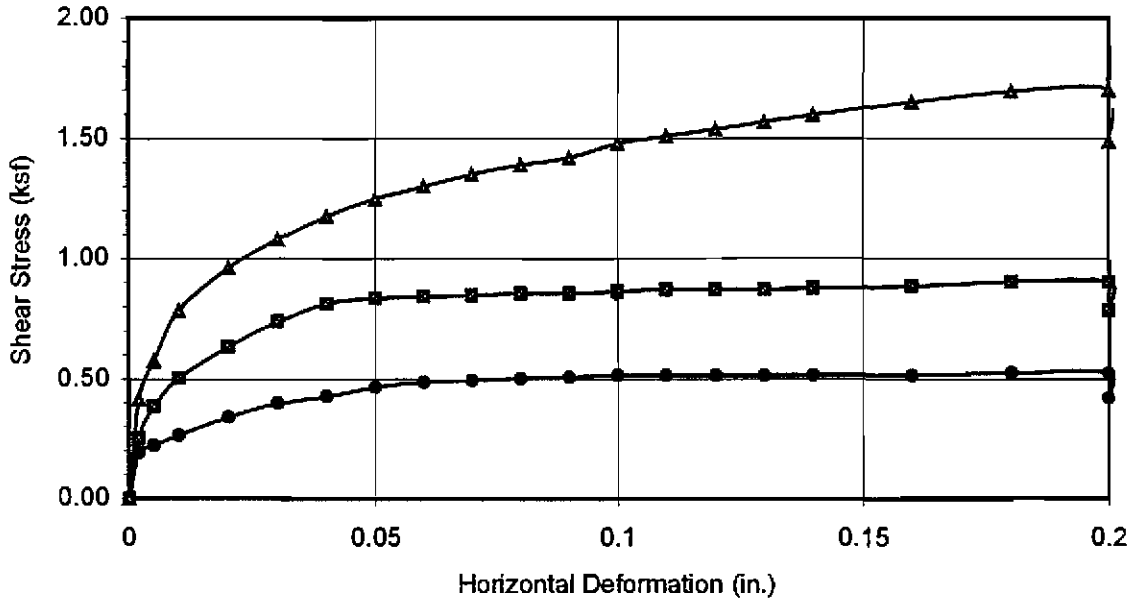
Project No.: 020814-001

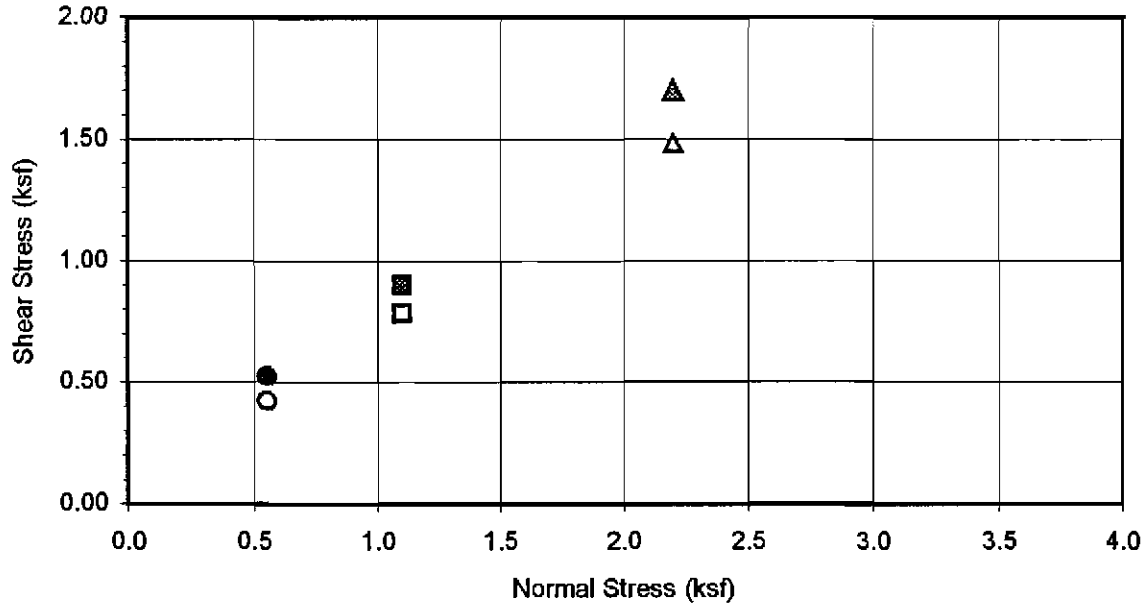
RUSD / NORTH

ONE - DIMENSIONAL CONSOLIDATION PROPERTIES of SOILS
(ASTM D 2435)

10-02

Leighton and Associates, Inc.





Normal Stress (kip/ft²)	0.550	1.100	2.200
Peak Shear Stress (kip/ft²)	● 0.525	▩ 0.903	▲ 1.702
Shear Stress @ End of Test (ksf)	○ 0.422	□ 0.784	△ 1.487
Deformation Rate (in./min.)	0.050	0.050	0.050
Initial Sample Height (in.)	1.000	1.000	1.000
Diameter (in.)	2.416	2.416	2.416
Initial Moisture Content (%)	6.84	6.84	6.84
Dry Density (pcf)	118.8	118.9	118.9
Saturation (%)	44.0	44.2	44.2
Soil Height Before Shearing (in.)	N/A	N/A	N/A
Final Moisture Content (%)	13.6	13.5	13.1

DIRECT SHEAR TEST RESULTS

Consolidated Undrained

Leighton and Associates, Inc.

Boring No.:	B-1
Sample No.:	Bag-1
Depth (ft)	N/A
Soil Description:	Brown Sandy Silt (SM)

Project No.: 020814-001

RUSD / NORTH

10-02

Leighton and Associates, Inc.

COMPACTION TEST

ASTM D 1557

Project Name: RUSD/North | Tested By: JRS

Project No.: 020814-001 | Calculated By:

Boring No.: B-1 | Depth (ft.) 0-5

Sample No.: Bag-1

Visual Sample Description: Brn si sand

Preparation Method: [ ] Moist [X] Dry | [X] Mechanical Ram [ ] Manual Ram

Mold Volume (ft³) 0.03322 *Ram Weight 10 LBS Drop 18 inches*

0 2.5 5 7.5

TEST NO.	1	2	3	4	5	6
Wt. Comp. Soil + Mold (gm.)	3792.0	3910.0	3884.0	3810.0		
Wt. of Mold (gm.)	1803.0	1803.0	1803.0	1803.0		
Net Wt. of Soil (gm.)	1989.0	2107.0	2081.0	2007.0		
Wet Wt. of Soil + Cont. (gm.)	549.00	554.30	569.40	654.70		
Dry Wt. of Soil + Cont. (gm.)	525.00	518.00	520.50	586.00		
Wt. of Container (gm.)	51.80	51.70	48.20	53.90		
Moisture Content (%)	5.07	7.78	10.35	12.91		
Wet Density (pcf)	132.0	139.8	138.1	133.2		
Dry Density (pcf)	125.6	129.7	125.1	118.0		

Maximum Dry Density (pcf) 130.0 **Optimum Moisture Content (%)** 8.6

PROCEDURE USED

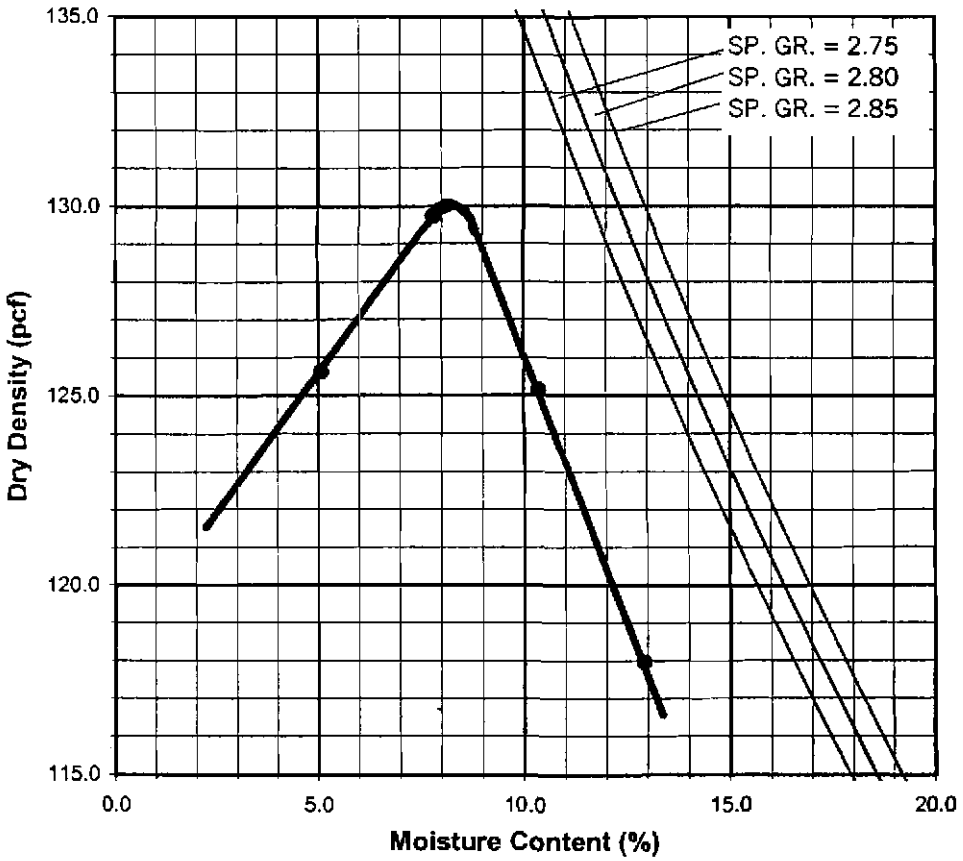
[X] **Procedure A**
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
May be used if No.4 retained < 20%

[ ] **Procedure B**
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)
Use if + #4 > 20% and + 3/8 " < 20%

[ ] **Procedure C**
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)
Use if + 3/8 in >20% and + ¾ in <30%

Particle-Size Distribution:
GR:SA:FI

Atterberg Limits:
LL,PL,PI



Leighton and Associates, Inc.

EXPANSION INDEX of SOILS

ASTM D 4829

Project Name:	Rusd / North	Tested By:	ACS
Project No. :	020814-001	Checked By	FT
Boring No.:	B-1	Depth (ft.)	0-5
Sample No. :	Bag-1		

Visual Sample Description: Strong brown, silty sand (SM)

Dry Wt. of Soil + Cont. (gm.)	1000.00
Wt. of Container No. (gm.)	0.00
Dry Wt. of Soil (gm.)	1000.00
Weight Soil Retained on #4 Sieve	0.00
Percent Passing # 4	100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0019
Wt. Comp. Soil + Mold (gm.)	648.10	456.60
Wt. of Mold (gm.)	208.50	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	548	57
Wet Wt. of Soil + Cont. (gm.)	867.90	665.10
Dry Wt. of Soil + Cont. (gm.)	811.10	619.30
Wt. of Container (gm.)	0.00	208.50
Moisture Content (%)	7.00	11.15
Wet Density (pcf)	132.6	137.5
Dry Density (pcf)	123.9	123.7
Void Ratio	0.360	0.363
Total Porosity	0.265	0.266
Pore Volume (cc)	54.8	55.2
Degree of Saturation (%) [S_{meas}]	**52.5**	82.9

SPECIMEN INUNDATION in distilled water for the period of 24 h or expansion rate < 0.0002 in./h.

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
10/16/02	9:00	1.0	0	0.4429
10/16/02	9:10	1.0	10	0.4421
Add Distilled Water to the Specimen				
10/17/02	7:46	1.0	1356	0.4448
10/17/02	9:46	1.0	1476	0.4448

Expansion Index (EI_{meas}) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	2.7
Expansion Index ($EI)_{50}$ = EI_{meas} - (50 -S_{meas})x((65+EI_{meas}) / (220-S_{meas}))	4

Leighton and Associates, Inc.

SOIL RESISTIVITY TEST
DOT CA TEST 532 / 643

Project Name: RUSD / NORTH
Project No. : 020814-001
Boring No.: B-1
Sample No. : Bag-1
Visual Soil Identification: SM

Tested By : VJ
Data Input By FT
Checked By: LF
Depth (ft.) : 0-5

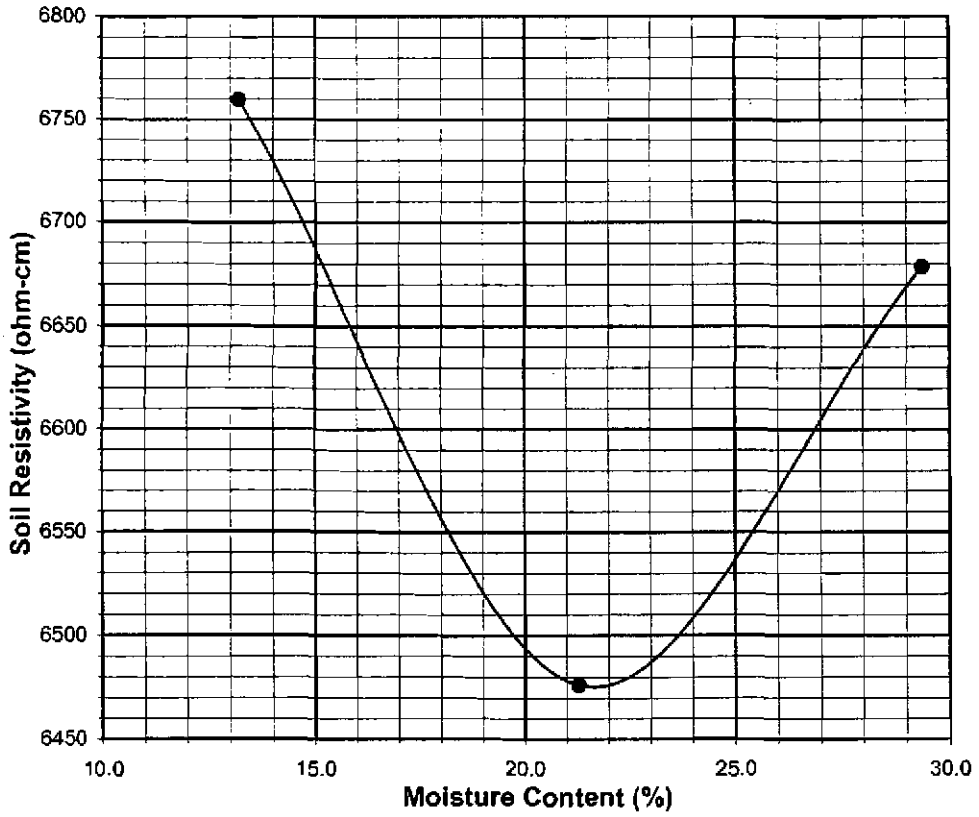
Initial Moisture Content (%)

Wet Wt. of Soil + Cont. (gm.	150.90
Dry Wt. of Soil + Cont. (gm.)	145.35
Wt. of Container (gm.	36.70
Moisture Content (%) (MCi	5.11

Initial Soil Weight (gm)(Wt)	1300.00
Box Constant:	6.7460

MC =(((1+Mci/100)x(Wa/Wt+1))-1)x100

Remolded Specimen	Moisture Adjustments				
Water Added (ml) (Wa)	100	200	300		
Adj. Moisture Content (MC)	13.19	21.28	29.36		
Resistance Rdg. (ohm)	1002	960	990		
Soil Resistivity (ohm-cm)	6759	6476	6679		



Minimum Resistivity	Moisture Content	Sulfate Content	Chloride Content	Soil pH
DOT CA Test 532 / 643		DOT CA Test 417 Part	DOT CA Test 422	DOT CA Test 532/643
6475	**21.7**	**78**	**84**	**7.43 @21.1**

Teratest Labs, Inc.

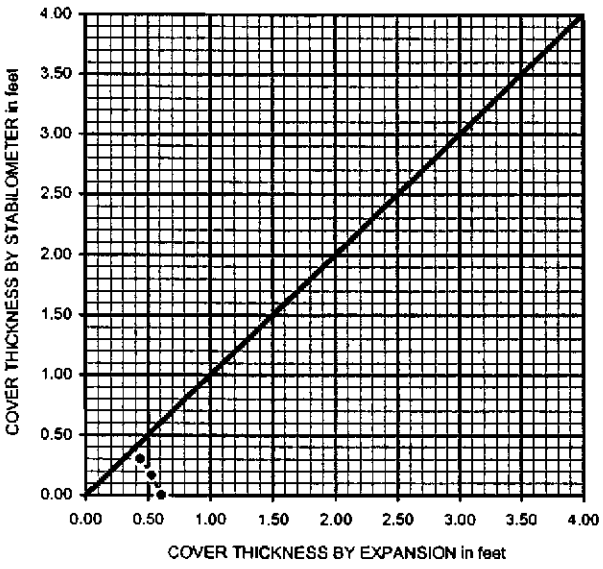
R-VALUE TEST RESULTS

PROJECT NAME:	RUSD / North	PROJECT NUMBER:	020814-001
SAMPLE NUMBER:	B-1	SAMPLE LOCATION:	B-2 0'-5'
SAMPLE DESCRIPTION:		TECHNICIAN:	SCF

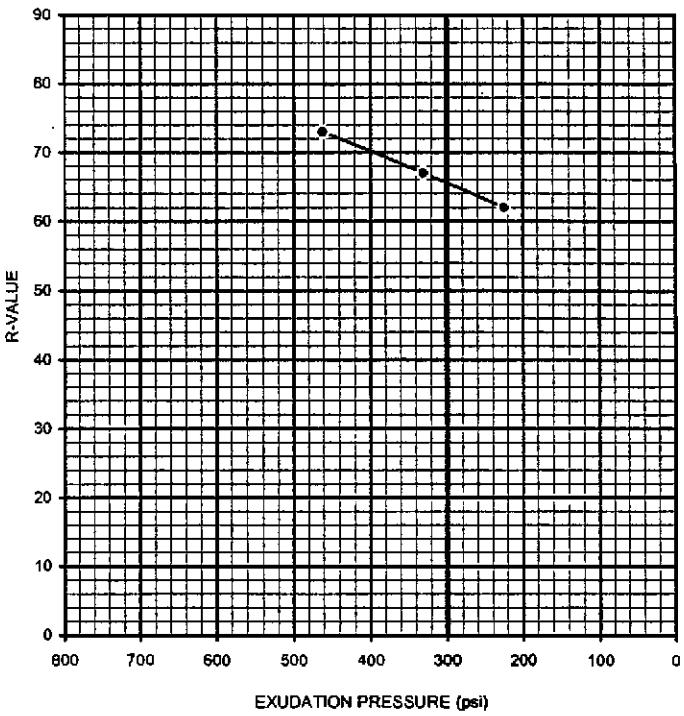
TEST SPECIMEN	a	b	c
MOISTURE AT COMPACTION %	9.0	9.2	9.5
HEIGHT OF SAMPLE, Inches	2.49	2.53	2.49
DRY DENSITY, pcf	127.6	128.8	126.9
COMPACTOR AIR PRESSURE, psf	275	220	150
EXUDATION PRESSURE, psf	461	330	225
EXPANSION, Inches x 10exp-4	9	5	0
STABILITY Ph 2,000 lbs (160 psi)	26	32	37
TURNS DISPLACEMENT	4.81	5.01	5.19
R-VALUE UNCORRECTED	73	67	62
R-VALUE CORRECTED	73	67	62

DESIGN CALCULATION DATA	a	b	c
GRAVEL EQUIVALENT FACTOR	1.0	1.0	1.0
TRAFFIC INDEX	5.0	5.0	5.0
STABILOMETER THICKNESS, ft.	0.43	0.53	0.61
EXPANSION PRESSURE THICKNESS, ft.	0.30	0.17	0.00

EXPANSION PRESSURE CHART



EXUDATION PRESSURE CHART



R-VALUE BY EXPANSION:	78
R-VALUE BY EXUDATION:	66
EQUILIBRIUM R-VALUE:	66

APPENDIX D

SUMMARY OF FAULTING, HISTORICAL SEISMICITY,
AND SECONDARY SEISMIC HAZARD ANALYSIS

```
**********************
*                    *
*    E Q F A U L T   *
*                    *
*    Version 3.00    *
*                    *
**********************

DETERMINISTIC ESTIMATION OF
PEAK ACCELERATION FROM DIGITIZED FAULTS


JOB NUMBER: 602879-001

JOB NAME: RUSD North HS

CALCULATION NAME: Test Run Analysis

FAULT-DATA-FILE NAME: CDMGFLTE.DAT

SITE COORDINATES:
   SITE LATITUDE:  33.9804
   SITE LONGITUDE:  117.3479

SEARCH RADIUS:   62  mi

ATTENUATION RELATION:  14) Campbell & Bozorgnia (1997 Rev.) - Alluvium
   UNCERTAINTY (M=Median, S=Sigma): M       Number of Sigmas:  0.0
   DISTANCE MEASURE:  cdist
   SCOND:   0
   Basement Depth:  5.00 km     Campbell SSR:  0     Campbell SHR:  0
   COMPUTE PEAK HORIZONTAL ACCELERATION

FAULT-DATA FILE USED:  CDMGFLTE.DAT

MINIMUM DEPTH VALUE (km):  3.0
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EQFAULT SUMMARY

DETERMINISTIC SITE PARAMETERS

ABBREVIATED FAULT NAME	APPROXIMATE DISTANCE mi	(km)	ESTIMATED MAX. EARTHQUAKE EVENT: MAXIMUM EARTHQUAKE MAG.(Mw)	PEAK SITE ACCEL. g	EST. SITE INTENSITY MOD.MERC.
SAN JACINTO-SAN BERNARDINO	6.1	9.8	6.7	0.349	IX
SAN JACINTO-SAN JACINTO VALLEY	7.1	11.4	6.9	0.348	IX
SAN ANDREAS - San Bernardino	15.0	24.1	7.3	0.246	IX
SAN ANDREAS - Southern	15.0	24.1	7.4	0.262	IX
CUCAMONGA	16.8	27.1	7.0	0.195	VIII
CHINO-CENTRAL AVE. (Elsinore)	17.4	28.0	6.7	0.154	VIII
ELSINORE-GLEN IVY	17.6	28.3	6.8	0.147	VIII
WHITTIER	18.8	30.3	6.8	0.136	VIII
CLEGHORN	20.7	33.3	6.5	0.096	VII
NORTH FRONTAL FAULT ZONE (West)	21.6	34.8	7.0	0.144	VIII
SAN JOSE	22.2	35.7	6.5	0.097	VII
ELSINORE-TEMECULA	23.4	37.6	6.8	0.106	VII
SIERRA MADRE	24.8	39.9	7.0	0.121	VII
SAN ANDREAS - Mojave	25.2	40.5	7.1	0.124	VII
SAN ANDREAS - 1857 Rupture	25.2	40.5	7.8	0.209	VIII
ELYSIAN PARK THRUST	29.4	47.3	6.7	0.077	VII
SAN JACINTO-ANZA	29.8	48.0	7.2	0.110	VII
CLAMSHELL-SAWPIT	35.4	57.0	6.5	0.051	VI
NORTH FRONTAL FAULT ZONE (East)	36.0	57.9	6.7	0.058	VI
PINTO MOUNTAIN	36.3	58.4	7.0	0.073	VII
HELENDALE - S. LOCKHARDT	38.5	61.9	7.1	0.074	VII
COMPTON THRUST	38.5	62.0	6.8	0.057	VI
RAYMOND	40.2	64.7	6.5	0.043	VI
NEWPORT-INGLEWOOD (Offshore)	41.6	67.0	6.9	0.056	VI
NEWPORT-INGLEWOOD (L.A.Basin)	42.0	67.6	6.9	0.055	VI
VERDUGO	45.8	73.7	6.7	0.042	VI
ELSINORE-JULIAN	45.9	73.9	7.1	0.059	VI
LENWOOD-LOCKHART-OLD WOMAN SPRGS	48.3	77.8	7.3	0.066	VI
SAN ANDREAS - Coachella	50.5	81.3	7.1	0.052	VI
HOLLYWOOD	51.7	83.2	6.4	0.028	V
PALOS VERDES	53.4	85.9	7.1	0.048	VI
JOHNSON VALLEY (Northern)	53.5	86.1	6.7	0.034	V
BURNT MTN.	54.4	87.6	6.4	0.025	V
LANDERS	54.9	88.3	7.3	0.056	VI
EUREKA PEAK	55.6	89.5	6.4	0.025	V
SAN GABRIEL	58.3	93.8	7.0	0.040	V
SIERRA MADRE (San Fernando)	58.7	94.5	6.7	0.029	V
ROSE CANYON	59.0	94.9	6.9	0.036	V
CORONADO BANK	59.3	95.5	7.4	0.055	VI
EMERSON So. - COPPER MTN.	60.1	96.7	6.9	0.035	V
SAN JACINTO-COYOTE CREEK	60.2	96.9	6.8	0.032	V
SANTA MONICA	61.5	99.0	6.6	0.025	V

-END OF SEARCH- 42 FAULTS FOUND WITHIN THE SPECIFIED SEARCH RADIUS.

THE SAN JACINTO-SAN BERNARDINO FAULT IS CLOSEST TO THE SITE.
IT IS ABOUT 6.1 MILES (9.8 km) AWAY.

LARGEST MAXIMUM-EARTHQUAKE SITE ACCELERATION: 0.3491 g

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                        ************************
                        *                      *
                        *    E Q S E A R C H   *
                        *                      *
                        *     Version 3.00     *
                        *                      *
                        ************************

                             ESTIMATION OF
                          PEAK ACCELERATION FROM
                       CALIFORNIA EARTHQUAKE CATALOGS


JOB NUMBER: 602879-001

JOB NAME: RUSD North HS

EARTHQUAKE-CATALOG-FILE NAME: ALLQUAKE.DAT

MAGNITUDE RANGE:
   MINIMUM MAGNITUDE:  5.00
   MAXIMUM MAGNITUDE:  9.00

SITE COORDINATES:
   SITE LATITUDE:  33.9804
   SITE LONGITUDE:  117.3479

SEARCH DATES:
           START DATE:   1800
           END DATE:   2010

SEARCH RADIUS:
           62.0 mi
           99.8 km

ATTENUATION RELATION:  14) Campbell & Bozorgnia (1997 Rev.) - Alluvium
   UNCERTAINTY (M=Median, S=Sigma): M       Number of Sigmas:  0.0
   ASSUMED SOURCE TYPE:  DS [SS=Strike-slip, DS=Reverse-slip, BT=Blind-thrust]
   SCOND:   0  Depth Source:  A
   Basement Depth:  5.00 km     Campbell SSR:  0     Campbell SHR:  0
   COMPUTE PEAK HORIZONTAL ACCELERATION

MINIMUM DEPTH VALUE (km):  3.0

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                        EARTHQUAKE SEARCH RESULTS
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FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.0000	117.2500	07/23/1923	73026.0	0.0	6.25	0.372	IX	5.8(9.3)
MGI	34.1000	117.3000	07/15/1905	2041 0.0	0.0	5.30	0.123	VII	8.7(14.0)
MGI	34.0000	117.5000	12/16/1858	10 0 0.0	0.0	7.00	0.365	IX	8.8(14.2)
DMG	33.9000	117.2000	12/19/1880	0 0 0.0	0.0	6.00	0.182	VIII	10.1(16.3)
DMG	34.2000	117.4000	07/22/1899	046 0.0	0.0	5.50	0.072	VI	15.4(24.9)
MGI	33.8000	117.6000	04/22/1918	2115 0.0	0.0	5.00	0.036	V	19.1(30.7)
DMG	33.7000	117.4000	05/15/1910	1547 0.0	0.0	6.00	0.078	VII	19.6(31.5)
DMG	33.7000	117.4000	05/13/1910	620 0.0	0.0	5.00	0.035	V	19.6(31.5)
DMG	33.7000	117.4000	04/11/1910	757 0.0	0.0	5.00	0.035	V	19.6(31.5)
DMG	34.2000	117.1000	09/20/1907	154 0.0	0.0	6.00	0.072	VII	20.8(33.4)
DMG	33.6990	117.5110	05/31/1938	83455.4	10.0	5.50	0.046	VI	21.6(34.7)
DMG	34.2700	117.5400	09/12/1970	143053.0	8.0	5.40	0.039	V	22.8(36.7)
GSP	34.1400	117.7000	02/28/1990	234336.6	5.0	5.20	0.033	V	23.0(36.9)
DMG	33.8000	117.0000	12/25/1899	1225 0.0	0.0	6.40	0.083	VII	23.5(37.8)
DMG	34.3000	117.5000	07/22/1899	2032 0.0	0.0	6.50	0.088	VII	23.7(38.2)
DMG	33.7500	117.0000	06/06/1918	2232 0.0	0.0	5.00	0.024	V	25.5(41.0)
DMG	33.7500	117.0000	04/21/1918	223225.0	0.0	6.80	0.100	VII	25.5(41.0)
DMG	34.3000	117.6000	07/30/1894	512 0.0	0.0	6.00	0.052	VI	26.3(42.4)
DMG	34.1800	116.9200	01/16/1930	02433.9	0.0	5.20	0.025	V	28.1(45.2)
DMG	34.1800	116.9200	01/16/1930	034 3.6	0.0	5.10	0.023	IV	28.1(45.2)
DMG	33.9500	116.8500	09/28/1946	719 9.0	0.0	5.00	0.021	IV	28.6(46.0)
DMG	34.2670	116.9670	08/29/1943	34513.0	0.0	5.50	0.030	V	29.4(47.3)
DMG	33.7100	116.9250	09/23/1963	144152.6	16.5	5.00	0.019	IV	30.6(49.2)
GSP	34.1630	116.8550	06/28/1992	144321.0	6.0	5.30	0.024	IV	30.9(49.7)
GSP	34.1950	116.8620	08/17/1992	204152.1	11.0	5.30	0.023	IV	31.5(50.7)
DMG	34.3700	117.6500	12/08/1812	15 0 0.0	0.0	7.00	0.086	VII	32.0(51.4)
DMG	34.1000	116.8000	10/24/1935	1448 7.6	0.0	5.10	0.019	IV	32.4(52.2)
GSN	34.2030	116.8270	06/28/1992	150530.7	5.0	6.70	0.064	VI	33.5(53.9)
GSP	34.2390	116.8370	07/09/1992	014357.6	0.0	5.30	0.020	IV	34.2(55.1)
DMG	34.2000	117.9000	08/28/1889	215 0.0	0.0	5.50	0.023	IV	35.0(56.4)
GSP	34.3400	116.9000	11/27/1992	160057.5	1.0	5.30	0.019	IV	35.7(57.4)
DMG	33.9760	116.7210	06/12/1944	104534.7	10.0	5.10	0.016	IV	35.9(57.8)
DMG	33.9940	116.7120	06/12/1944	111636.0	10.0	5.30	0.019	IV	36.4(58.6)
GSP	34.3690	116.8970	12/04/1992	020857.5	3.0	5.30	0.018	IV	37.2(59.8)
MGI	34.0000	118.0000	12/25/1903	1745 0.0	0.0	5.00	0.014	IV	37.4(60.1)
DMG	34.1000	116.7000	02/07/1889	520 0.0	0.0	5.30	0.018	IV	38.0(61.1)
GSP	34.2620	118.0020	06/28/1991	144354.5	11.0	5.40	0.017	IV	42.1(67.8)
PAS	34.0610	118.0790	10/01/1987	144220.0	9.5	5.90	0.025	V	42.2(67.9)
PAS	33.9980	116.6060	07/08/1986	92044.5	11.7	5.60	0.019	IV	42.5(68.4)
PAS	34.0730	118.0980	10/04/1987	105938.2	8.2	5.30	0.015	IV	43.4(69.8)
DMG	33.6170	117.9670	03/11/1933	154 7.8	0.0	6.30	0.033	V	43.5(70.0)
MGI	34.1000	118.1000	07/11/1855	415 0.0	0.0	6.30	0.032	V	43.8(70.5)
DMG	33.7500	118.0830	03/11/1933	323 0.0	0.0	5.00	0.011	III	45.0(72.5)
DMG	33.7500	118.0830	03/11/1933	2 9 0.0	0.0	5.00	0.011	III	45.0(72.5)
DMG	33.7500	118.0830	03/11/1933	910 0.0	0.0	5.10	0.012	III	45.0(72.5)
DMG	33.7500	118.0830	03/11/1933	230 0.0	0.0	5.10	0.012	III	45.0(72.5)
DMG	33.7500	118.0830	03/13/1933	131828.0	0.0	5.30	0.014	IV	45.0(72.5)
DMG	33.6830	118.0500	03/11/1933	658 3.0	0.0	5.50	0.016	IV	45.2(72.7)
DMG	33.7000	118.0670	03/11/1933	85457.0	0.0	5.10	0.012	III	45.6(73.3)
DMG	33.7000	118.0670	03/11/1933	51022.0	0.0	5.10	0.012	III	45.6(73.3)
DMG	33.6170	118.0170	03/14/1933	19 150.0	0.0	5.10	0.011	III	45.9(73.8)
DMG	33.5750	117.9830	03/11/1933	518 4.0	0.0	5.20	0.012	III	46.0(73.9)
DMG	33.7830	118.1330	10/02/1933	91017.6	0.0	5.40	0.014	IV	47.0(75.7)

EARTHQUAKE SEARCH RESULTS

Page 2

FILE CODE	LAT. NORTH	LONG. WEST	DATE	TIME (UTC) H M Sec	DEPTH (km)	QUAKE MAG.	SITE ACC. g	SITE MM INT.	APPROX. DISTANCE mi [km]
DMG	34.0170	116.5000	07/25/1947	61949.0	0.0	5.20	0.011	III	48.6(78.2)
DMG	34.0170	116.5000	07/24/1947	221046.0	0.0	5.50	0.015	IV	48.6(78.2)
DMG	34.0170	116.5000	07/26/1947	24941.0	0.0	5.10	0.011	III	48.6(78.2)
DMG	34.0170	116.5000	07/25/1947	04631.0	0.0	5.00	0.010	III	48.6(78.2)
T-A	34.0000	118.2500	03/26/1860	0 0 0.0	0.0	5.00	0.009	III	51.7(83.1)
T-A	34.0000	118.2500	01/10/1856	0 0 0.0	0.0	5.00	0.009	III	51.7(83.1)
T-A	34.0000	118.2500	09/23/1827	0 0 0.0	0.0	5.00	0.009	III	51.7(83.1)
MGI	34.0800	118.2600	07/16/1920	18 8 0.0	0.0	5.00	0.009	III	52.6(84.7)
GSP	34.3410	116.5290	06/28/1992	124053.5	6.0	5.20	0.010	III	53.0(85.3)
DMG	33.8500	118.2670	03/11/1933	1425 0.0	0.0	5.00	0.009	III	53.4(86.0)
DMG	33.7830	118.2500	11/14/1941	84136.3	0.0	5.40	0.012	III	53.5(86.0)
GSP	34.1390	116.4310	06/28/1992	123640.6	10.0	5.10	0.009	III	53.6(86.2)
GSN	34.2010	116.4360	06/28/1992	115734.1	1.0	7.60	0.066	VI	54.3(87.4)
MGI	34.0000	118.3000	09/03/1905	540 0.0	0.0	5.30	0.011	III	54.5(87.7)
GSP	34.1080	116.4040	06/29/1992	141338.8	9.0	5.40	0.011	III	54.7(88.0)
DMG	33.9330	116.3830	12/04/1948	234317.0	0.0	6.50	0.027	V	55.4(89.1)
GSP	34.3320	116.4620	07/01/1992	074029.9	9.0	5.40	0.011	III	56.1(90.3)
GSP	34.0640	116.3610	09/15/1992	084711.3	9.0	5.20	0.009	III	56.8(91.4)
PAS	34.3270	116.4450	03/15/1979	21 716.5	2.5	5.20	0.009	III	56.9(91.5)
GSP	34.2680	116.4020	06/16/1994	162427.5	3.0	5.00	0.008	II	57.6(92.7)
PAS	33.5010	116.5130	02/25/1980	104738.5	13.6	5.50	0.011	III	58.2(93.7)
DMG	34.0670	116.3330	05/18/1940	55120.2	0.0	5.20	0.009	III	58.4(93.9)
DMG	34.0670	116.3330	05/18/1940	72132.7	0.0	5.00	0.008	II	58.4(93.9)
GSP	34.0290	116.3210	08/21/1993	014638.4	9.0	5.00	0.007	II	58.9(94.7)
DMG	33.5000	116.5000	09/30/1916	211 0.0	0.0	5.00	0.007	II	58.9(94.8)
GSP	33.9610	116.3180	04/23/1992	045023.0	12.0	6.10	0.018	IV	59.0(94.9)
DMG	34.0830	116.3000	05/18/1940	5 358.5	0.0	5.40	0.010	III	60.4(97.2)
DMG	34.5190	118.1980	08/23/1952	10 9 7.1	13.1	5.00	0.007	II	61.1(98.4)
PAS	34.5160	116.4950	06/01/1975	13849.2	4.5	5.20	0.008	III	61.1(98.4)
GSP	33.9020	116.2840	07/24/1992	181436.2	9.0	5.00	0.007	II	61.2(98.4)

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-END OF SEARCH- 83 EARTHQUAKES FOUND WITHIN THE SPECIFIED SEARCH AREA.

TIME PERIOD OF SEARCH: 1800 TO 2010

LENGTH OF SEARCH TIME: 211 years

THE EARTHQUAKE CLOSEST TO THE SITE IS ABOUT 5.8 MILES (9.3 km) AWAY.

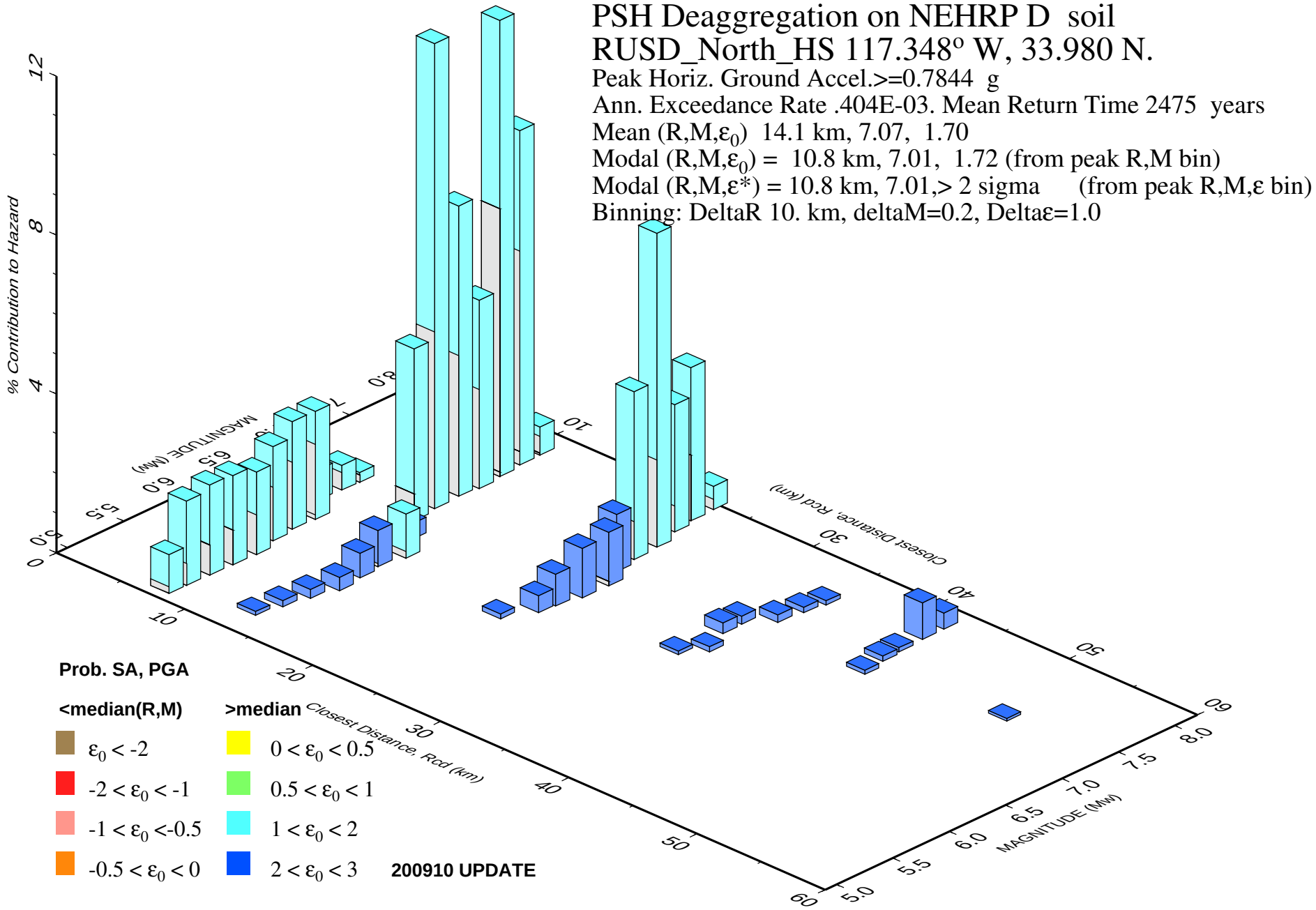
LARGEST EARTHQUAKE MAGNITUDE FOUND IN THE SEARCH RADIUS: 7.6

LARGEST EARTHQUAKE SITE ACCELERATION FROM THIS SEARCH: 0.372 g

COEFFICIENTS FOR GUTENBERG & RICHTER RECURRENCE RELATION:
a-value= 1.299
b-value= 0.390
beta-value= 0.898

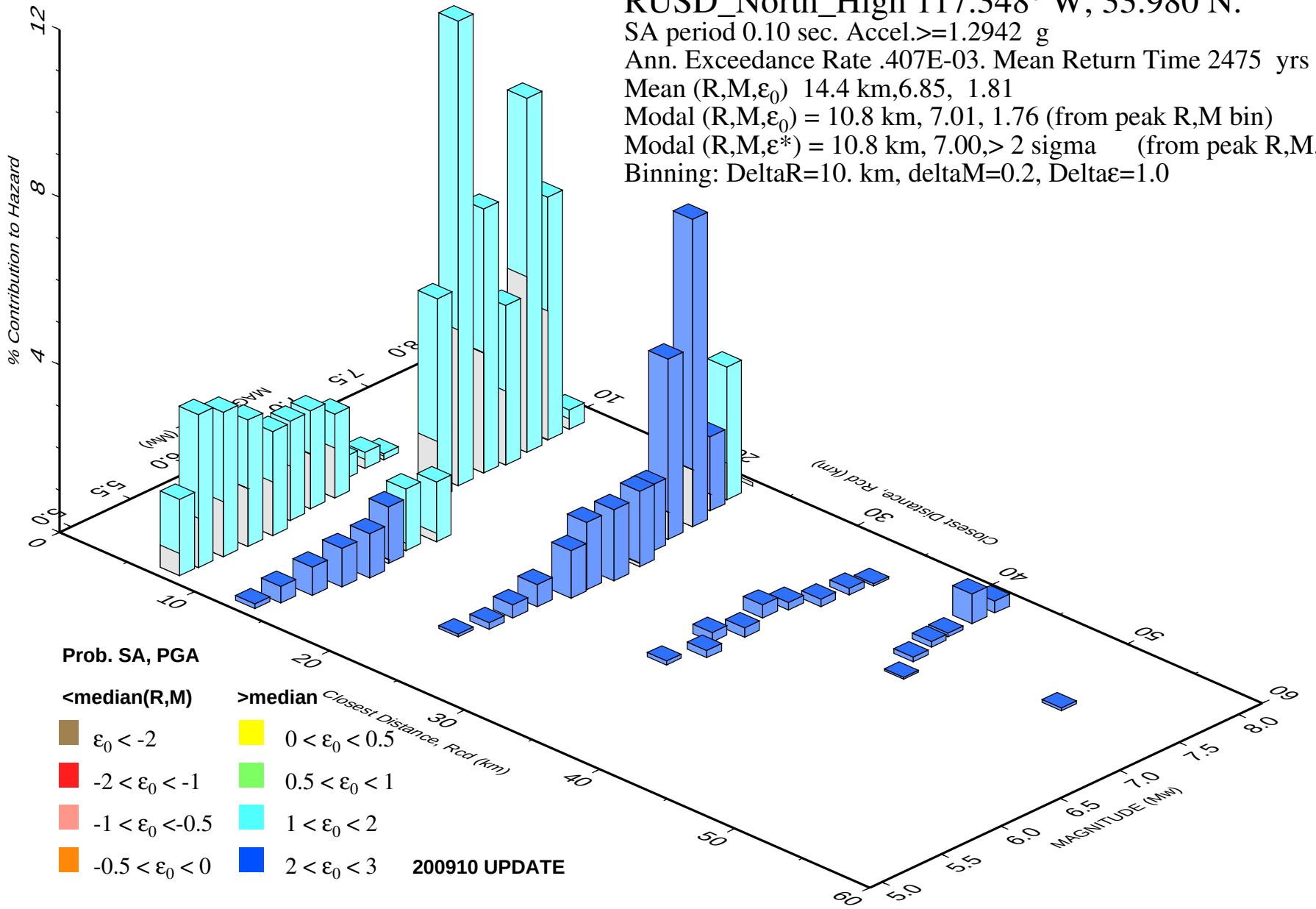
TABLE OF MAGNITUDES AND EXCEEDANCES:

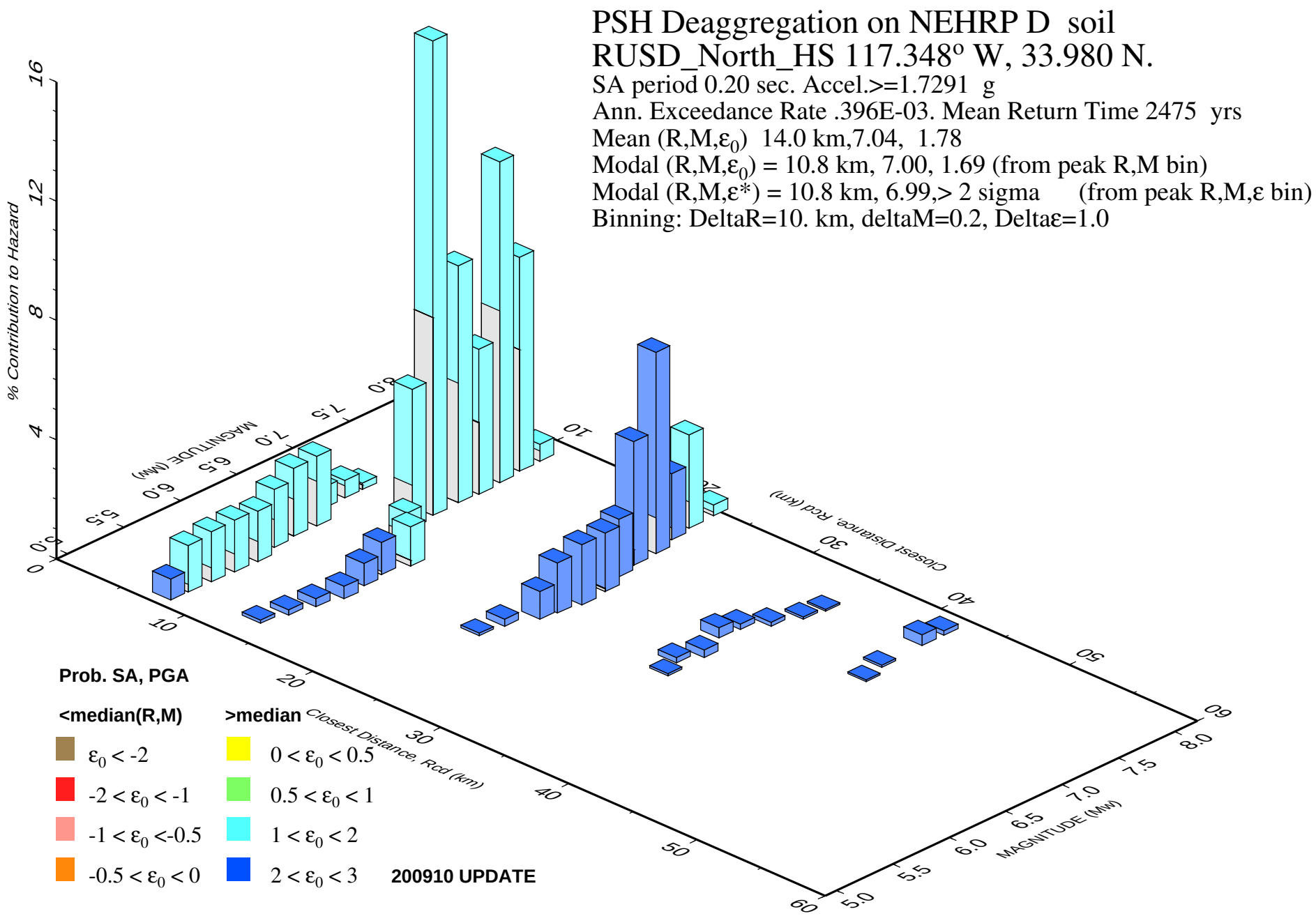
Earthquake Magnitude	Number of Times Exceeded	Cumulative No. / Year
4.0	83	0.39524
4.5	83	0.39524
5.0	83	0.39524
5.5	25	0.11905
6.0	16	0.07619
6.5	7	0.03333
7.0	3	0.01429
7.5	1	0.00476


PSH Deaggregation on NEHRP D soil
RUSD_North_HS 117.348º W, 33.980 N.
Peak Horiz. Ground Accel.>=0.7844 g
Ann. Exceedance Rate .404E-03. Mean Return Time 2475 years
Mean (R,M,ε0) 14.1 km, 7.07, 1.70
Modal (R,M,ε0) = 10.8 km, 7.01, 1.72 (from peak R,M bin)
Modal (R,M,ε*) = 10.8 km, 7.01,> 2 sigma (from peak R,M,ε bin)
Binning: DeltaR 10. km, deltaM=0.2, Deltaε=1.0
% Contribution to Hazard
0
4
8
12
MAGNITUDE (Mw)
5.0
5.5
6.0
6.5
7.0
7.5
8.0
Closest Distance, Rcd (km)
10
20
30
40
50
60
Prob. SA, PGA
<median(R,M)
>median
ε0 < -2
-2 < ε0 < -1
-1 < ε0 <-0.5
-0.5 < ε0 < 0
0 < ε0 < 0.5
0.5 < ε0 < 1
1 < ε0 < 2
2 < ε0 < 3
200910 UPDATE

PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.

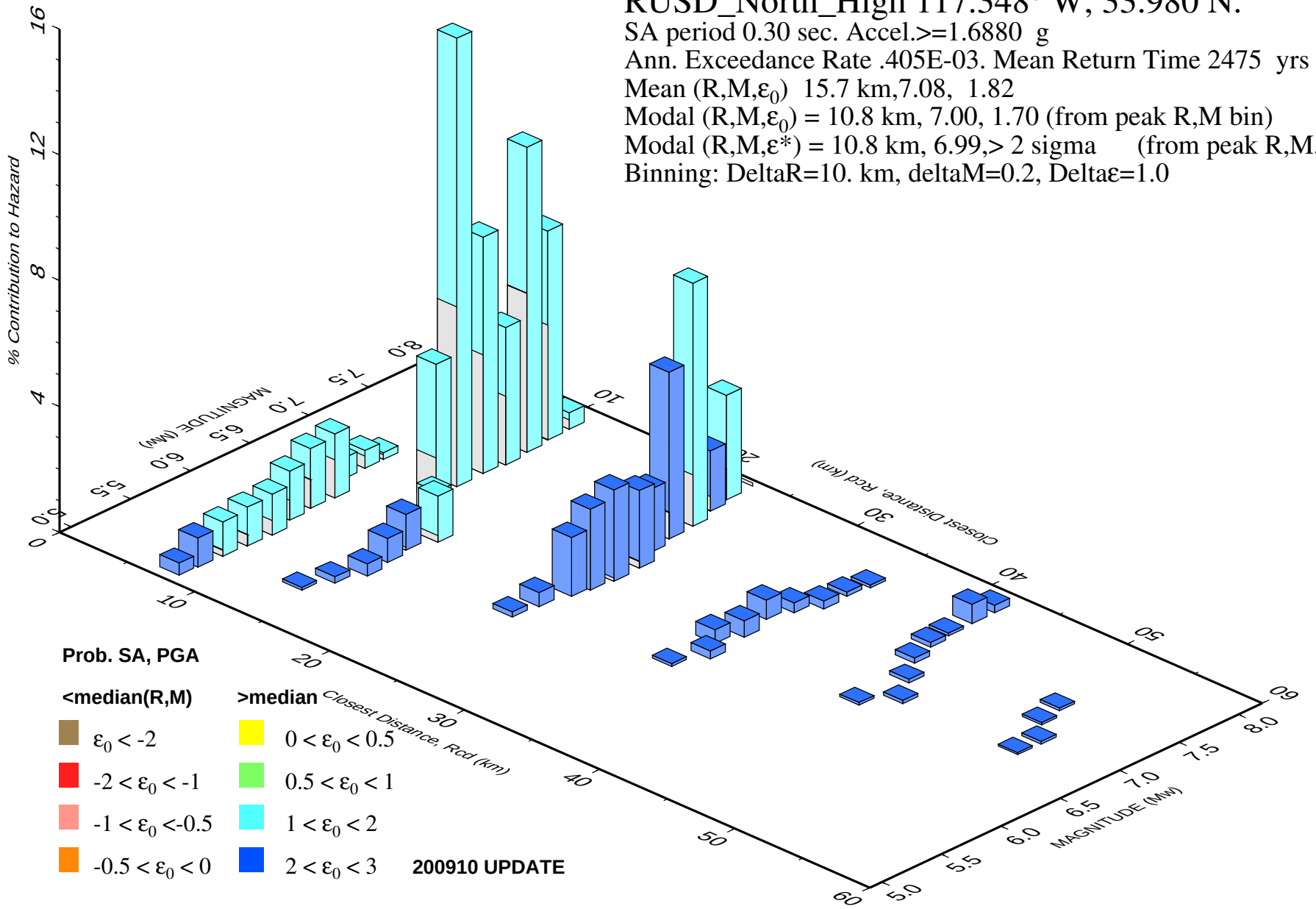
SA period 0.10 sec. Accel.>=1.2942 g
Ann. Exceedance Rate .407E-03. Mean Return Time 2475 yrs
Mean (R,M,ε_0) 14.4 km,6.85, 1.81
Modal (R,M,ε_0) = 10.8 km, 7.01, 1.76 (from peak R,M bin)
Modal (R,M,ε*) = 10.8 km, 7.00,> 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0




PSH Deaggregation on NEHRP D soil
RUSD_North_HS 117.348º W, 33.980 N.
SA period 0.20 sec. Accel.>=1.7291 g
Ann. Exceedance Rate .396E-03. Mean Return Time 2475 yrs
Mean (R,M,ε0) 14.0 km,7.04, 1.78
Modal (R,M,ε0) = 10.8 km, 7.00, 1.69 (from peak R,M bin)
Modal (R,M,ε*) = 10.8 km, 6.99,> 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0
% Contribution to Hazard
Closest Distance, Rcd (km)
MAGNITUDE (Mw)
Prob. SA, PGA
<median(R,M)
>median
ε0 < -2
-2 < ε0 < -1
-1 < ε0 <-0.5
-0.5 < ε0 < 0
0 < ε0 < 0.5
0.5 < ε0 < 1
1 < ε0 < 2
2 < ε0 < 3
200910 UPDATE

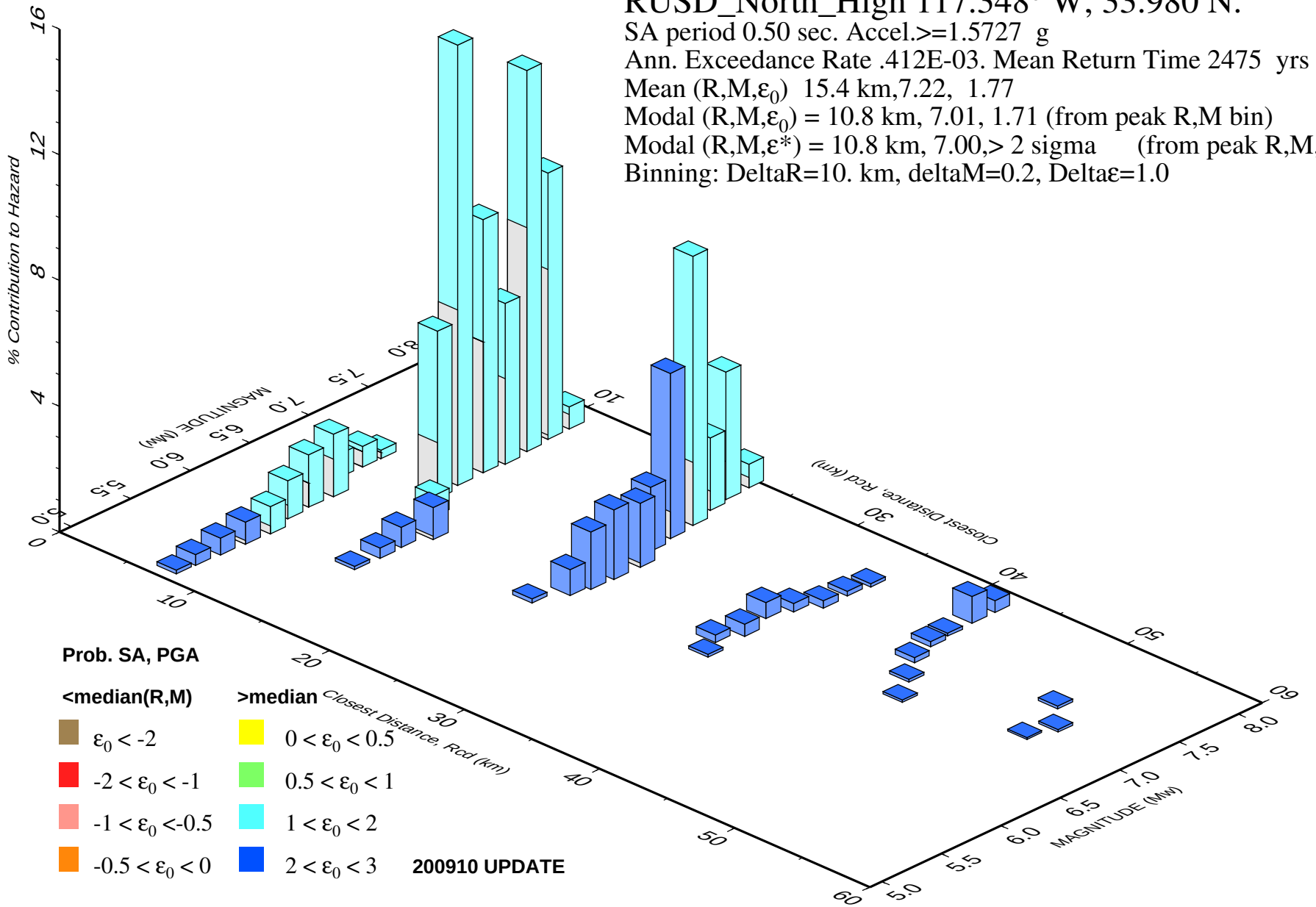
PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.

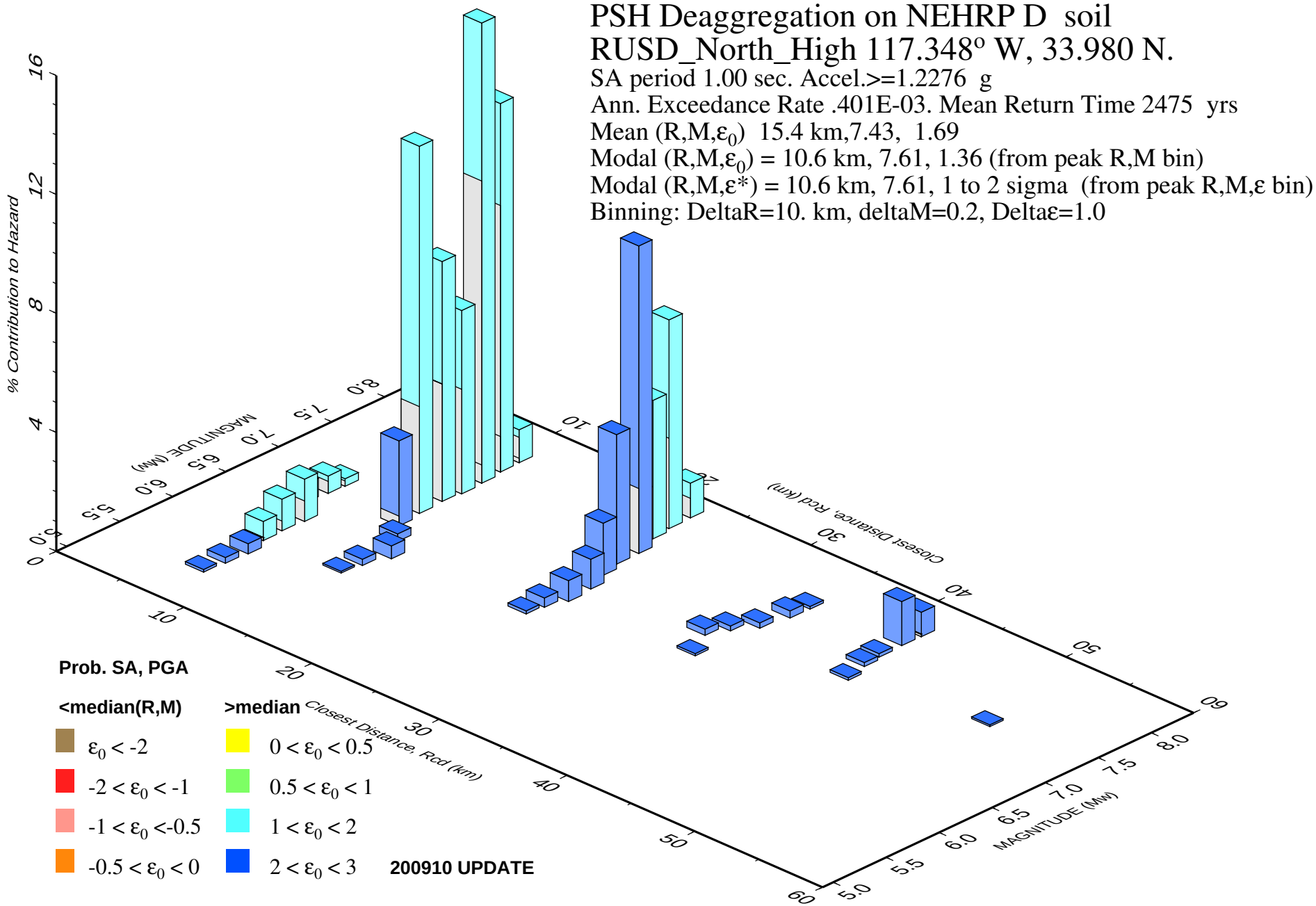
SA period 0.30 sec. Accel.>=1.6880 g
Ann. Exceedance Rate .405E-03. Mean Return Time 2475 yrs
Mean (R,M,ε_0) 15.7 km,7.08, 1.82
Modal (R,M,ε_0) = 10.8 km, 7.00, 1.70 (from peak R,M bin)
Modal (R,M,ε*) = 10.8 km, 6.99,> 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0



PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.

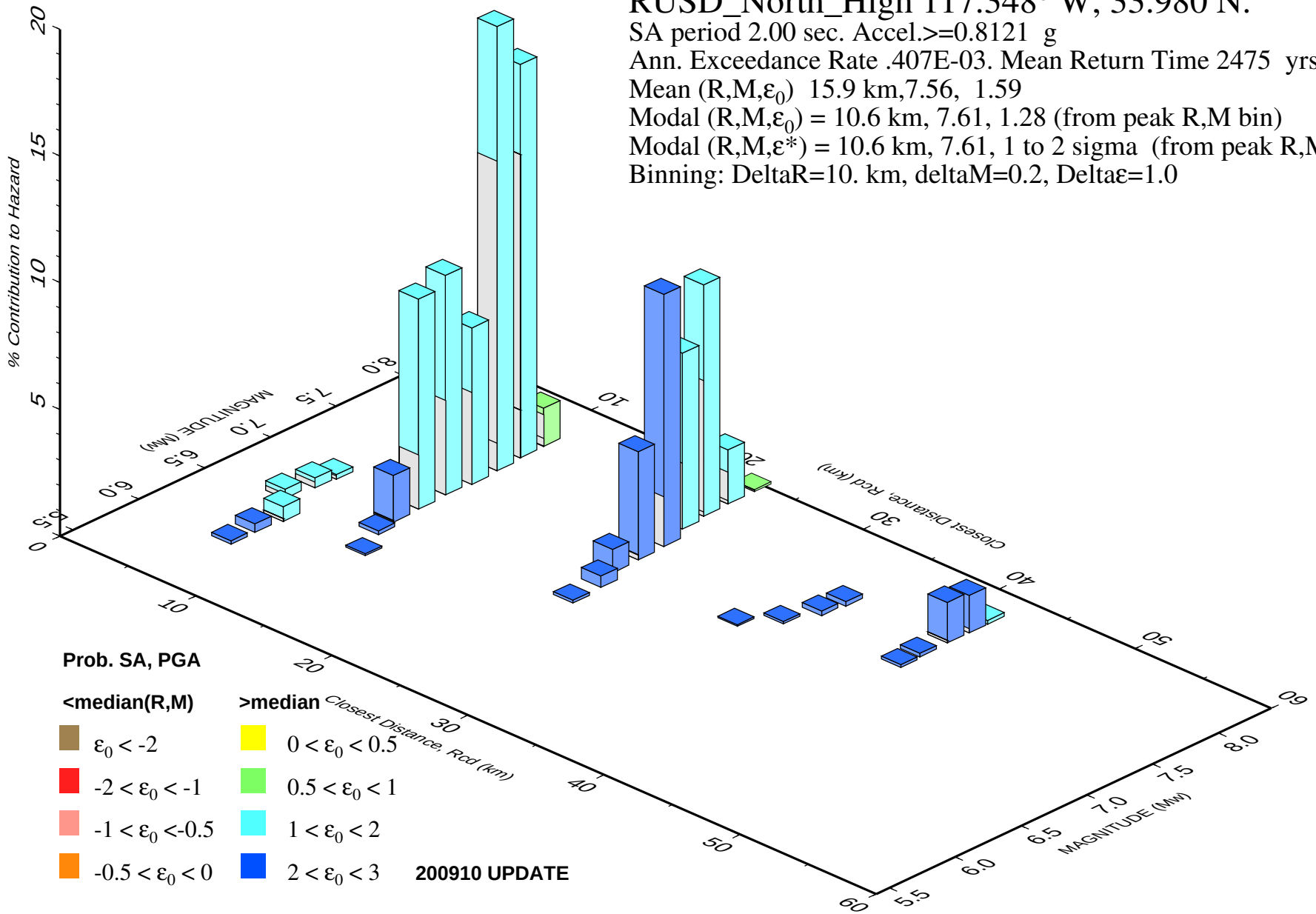
SA period 0.50 sec. Accel.>=1.5727 g
Ann. Exceedance Rate .412E-03. Mean Return Time 2475 yrs
Mean (R,M,ε_0) 15.4 km,7.22, 1.77
Modal (R,M,ε_0) = 10.8 km, 7.01, 1.71 (from peak R,M bin)
Modal (R,M,ε*) = 10.8 km, 7.00,> 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0




PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.
SA period 1.00 sec. Accel.>=1.2276 g
Ann. Exceedance Rate .401E-03. Mean Return Time 2475 yrs
Mean (R,M,ε0) 15.4 km,7.43, 1.69
Modal (R,M,ε0) = 10.6 km, 7.61, 1.36 (from peak R,M bin)
Modal (R,M,ε*) = 10.6 km, 7.61, 1 to 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0
% Contribution to Hazard
Closest Distance, Rcd (km)
MAGNITUDE (Mw)
Prob. SA, PGA
<median(R,M)
>median
ε0 < -2
-2 < ε0 < -1
-1 < ε0 <-0.5
-0.5 < ε0 < 0
0 < ε0 < 0.5
0.5 < ε0 < 1
1 < ε0 < 2
2 < ε0 < 3
200910 UPDATE

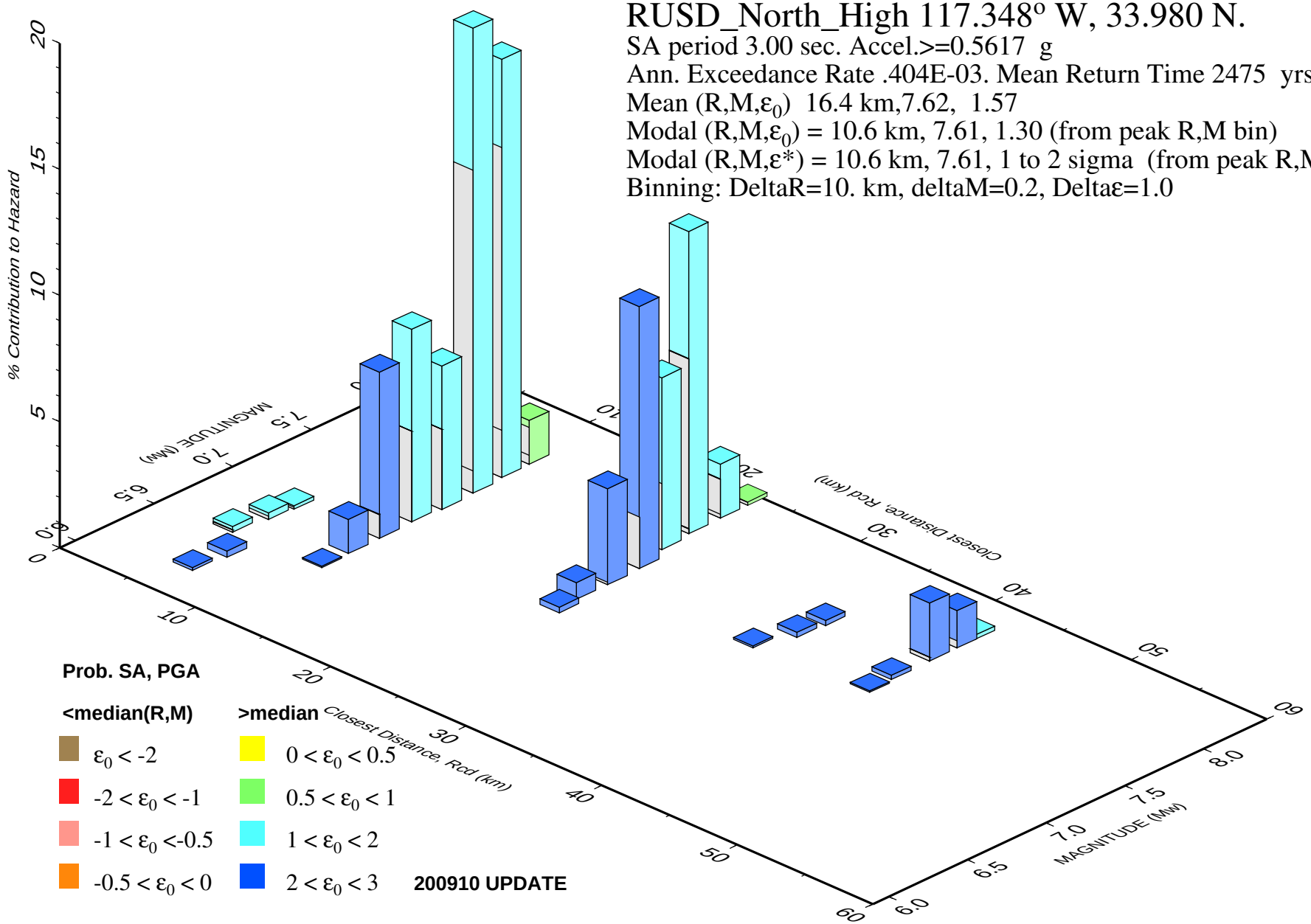
PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.

SA period 2.00 sec. Accel.>=0.8121 g
Ann. Exceedance Rate .407E-03. Mean Return Time 2475 yrs
Mean (R,M,ε_0) 15.9 km,7.56, 1.59
Modal (R,M,ε_0) = 10.6 km, 7.61, 1.28 (from peak R,M bin)
Modal (R,M,ε*) = 10.6 km, 7.61, 1 to 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0



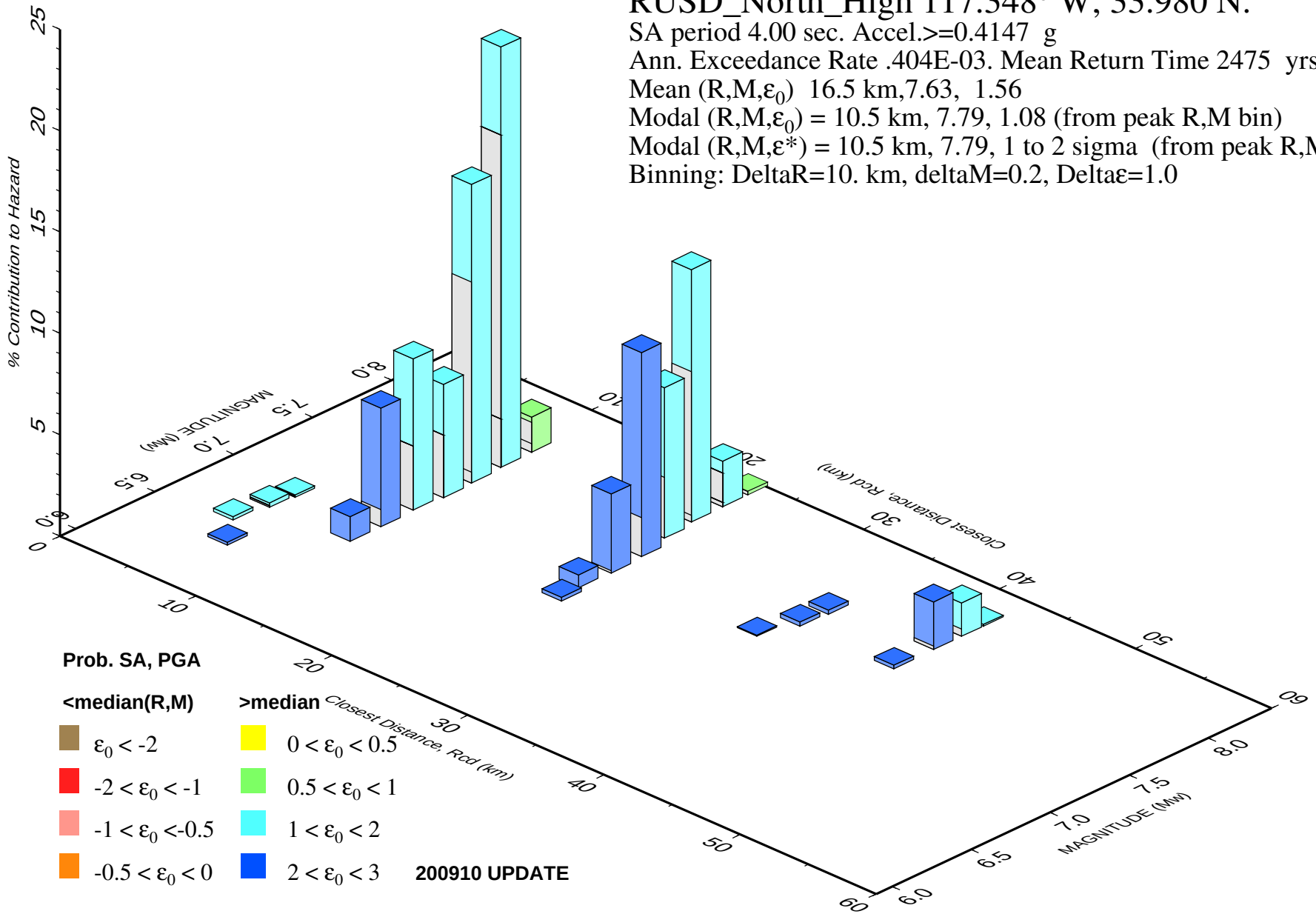
PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.

SA period 3.00 sec. Accel.>=0.5617 g
Ann. Exceedance Rate .404E-03. Mean Return Time 2475 yrs
Mean (R,M,ε_0) 16.4 km,7.62, 1.57
Modal (R,M,ε_0) = 10.6 km, 7.61, 1.30 (from peak R,M bin)
Modal (R,M,ε*) = 10.6 km, 7.61, 1 to 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0



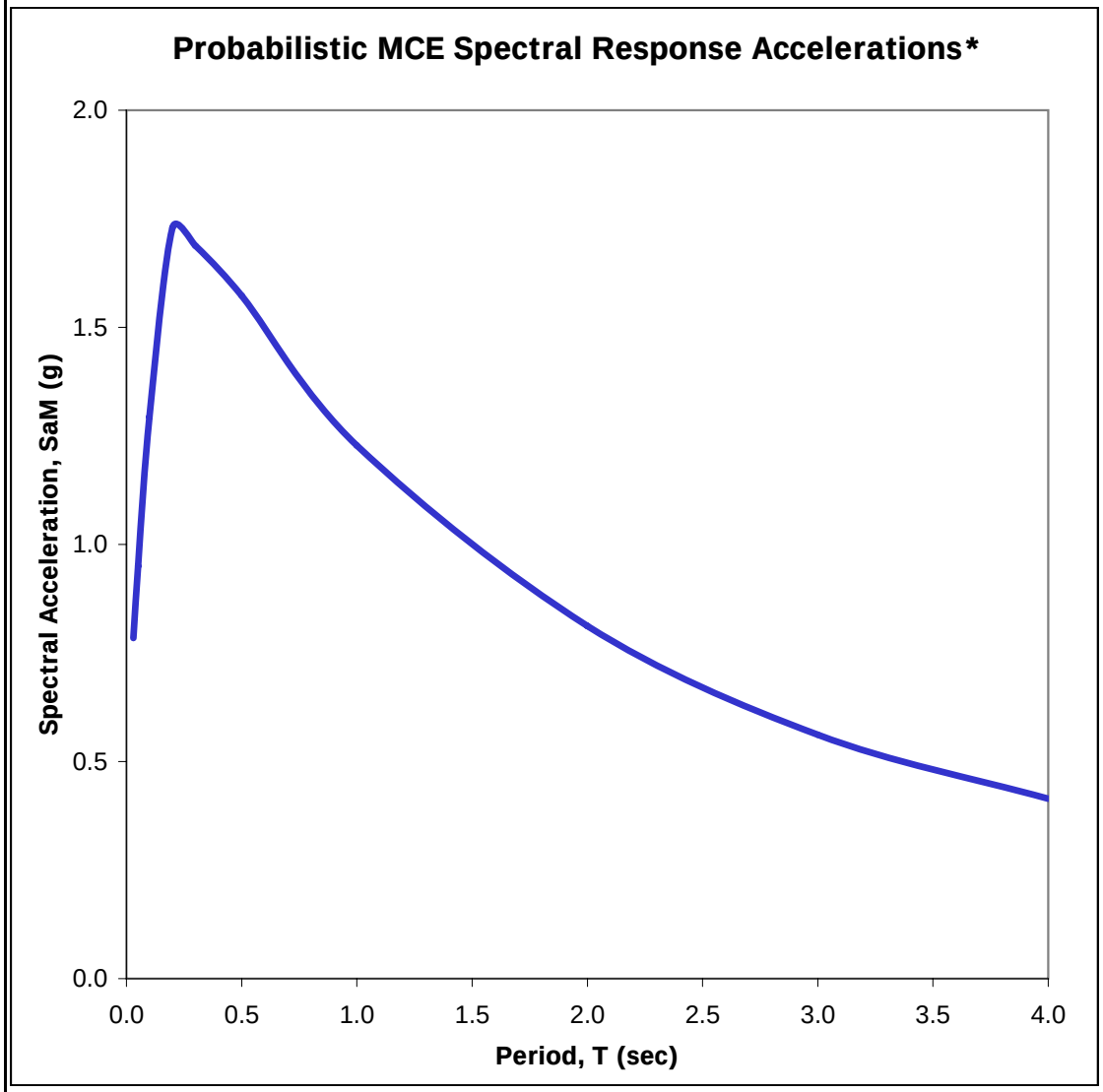
PSH Deaggregation on NEHRP D soil
RUSD_North_High 117.348° W, 33.980 N.

SA period 4.00 sec. Accel.>=0.4147 g
Ann. Exceedance Rate .404E-03. Mean Return Time 2475 yrs
Mean (R,M,ε_0) 16.5 km,7.63, 1.56
Modal (R,M,ε_0) = 10.5 km, 7.79, 1.08 (from peak R,M bin)
Modal (R,M,ε*) = 10.5 km, 7.79, 1 to 2 sigma (from peak R,M,ε bin)
Binning: DeltaR=10. km, deltaM=0.2, Deltaε=1.0



PROBABILISTIC MCE RESPONSE SPECTRUM (ASCE 7-05, 21.2.1)

Project Name:	RUSD North High School	**Project Manager:**	JDH
Project Number:	602879-001	**Engineer:**	MDH
Location:	1550 Third Street, Riverside, CA, (33.9804°N, 117.3479°W)	**Date:**	June 29, 2010

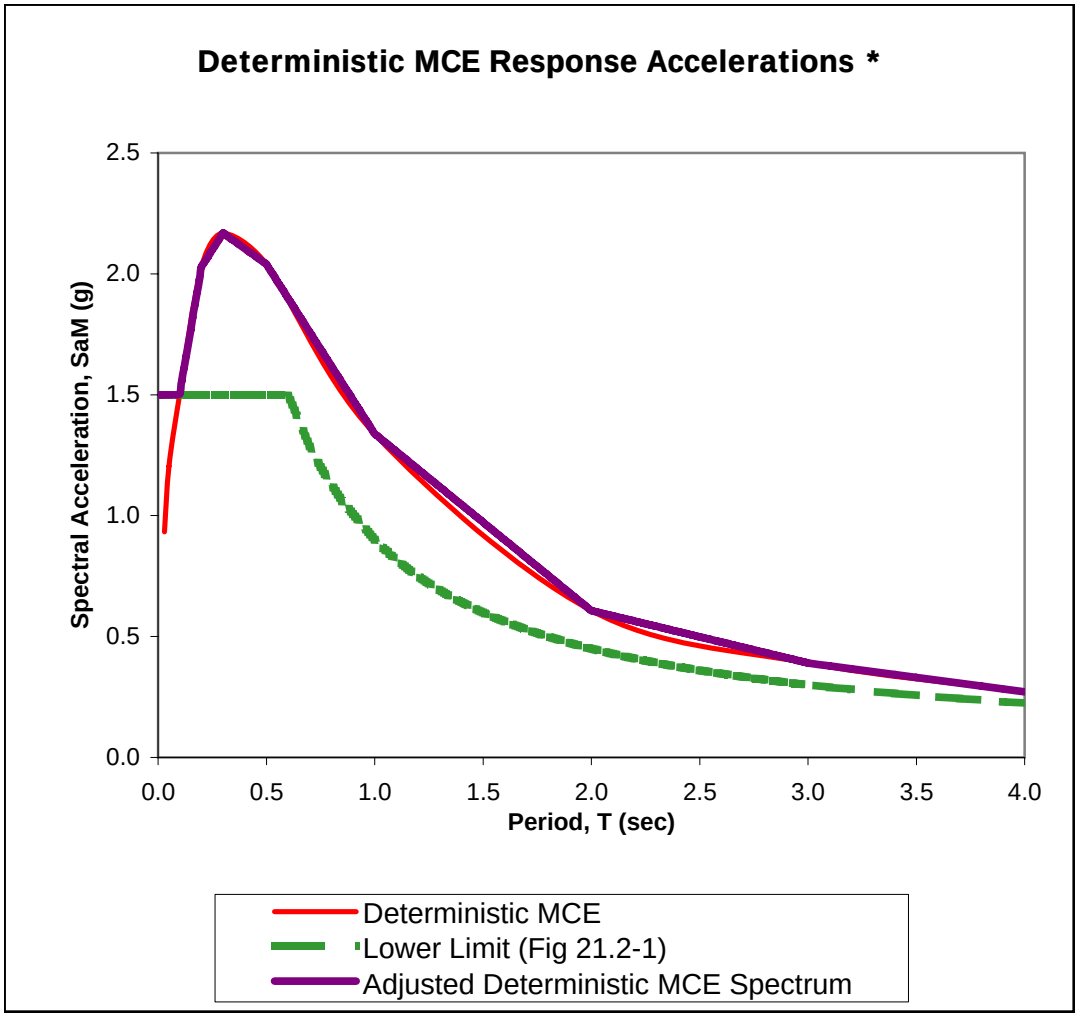


PROBABILISTIC MCE RESPONSE SPECTRUM		
Period T (s)	Probabilistic MCE Spectral Acceleration (USGS) (g)	Maximum Rotated Component S_{aM} (g)
0.03	0.784	0.78
0.05	0.950	0.95
0.10	1.294	1.29
0.20	1.729	1.73
0.30	1.688	1.69
0.50	1.573	1.57
1.00	1.228	1.23
2.00	0.812	0.81
3.00	0.562	0.56
4.00	0.415	0.41

Analysis Information: 5% Damped, Probability of Exceedence is 2% chance in 50 years (Return Period: 2,475 Years)

DETERMINISTIC MCE RESPONSE SPECTRUM (ASCE 7-05, 21.2.2)

Project Name:	RUSD North High School	**Project Manager:**	JDH
Project Number:	602879-001	**Engineer:**	MDH
Location:	1550 Third Street, Riverside, CA, (33.9804°N, 117.3479°W)	**Date:**	June 29, 2010



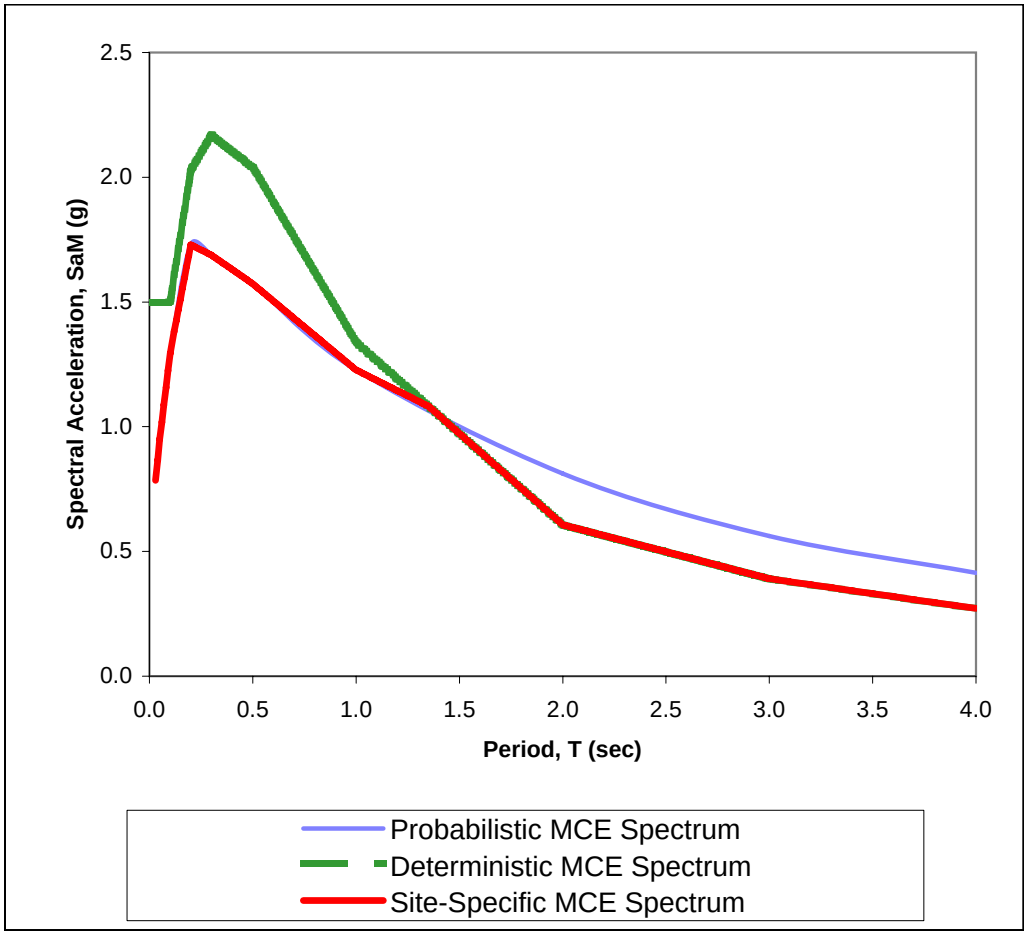
Period T (s)	Deterministic S_{aM} (S_s * 150%) (5% damped) (g)	Lower Limit (g)	Design Deterministic Acceleration Sa (g)
0.03	0.93	1.50	1.50
0.05	1.20	1.50	1.50
0.10	1.50	1.50	1.50
0.20	2.03	1.50	2.03
0.30	2.17	1.50	2.17
0.50	2.04	1.50	2.04
1.00	1.34	0.90	1.34
2.00	0.61	0.45	0.61
3.00	0.39	0.30	0.39
4.00	0.27	0.23	0.27

Lower Limit	CBC 2007 Parameters	
$S_{aM} = 1.5F_a$	F_a =	1.00
or	F_v =	1.50
$S_{aM} = 0.6F_v/T$	S_s =	1.50
at each period *T*.	S_1 =	0.60

Analysis Information: For the deterministic spectrum, choose higher of [Deterministic SaM] and [Lower Limit] at each period.

SITE-SPECIFIC MCE RESPONSE SPECTRUM (ASCE 7-05, 21.2.3)

Project Name:	RUSD North High School	**Project Manager:**	JDH
Project Number:	602879-001	**Engineer:**	MDH
Location:	1550 Third Street, Riverside, CA, (33.9804°N, 117.3479°W)	**Date:**	June 29, 2010



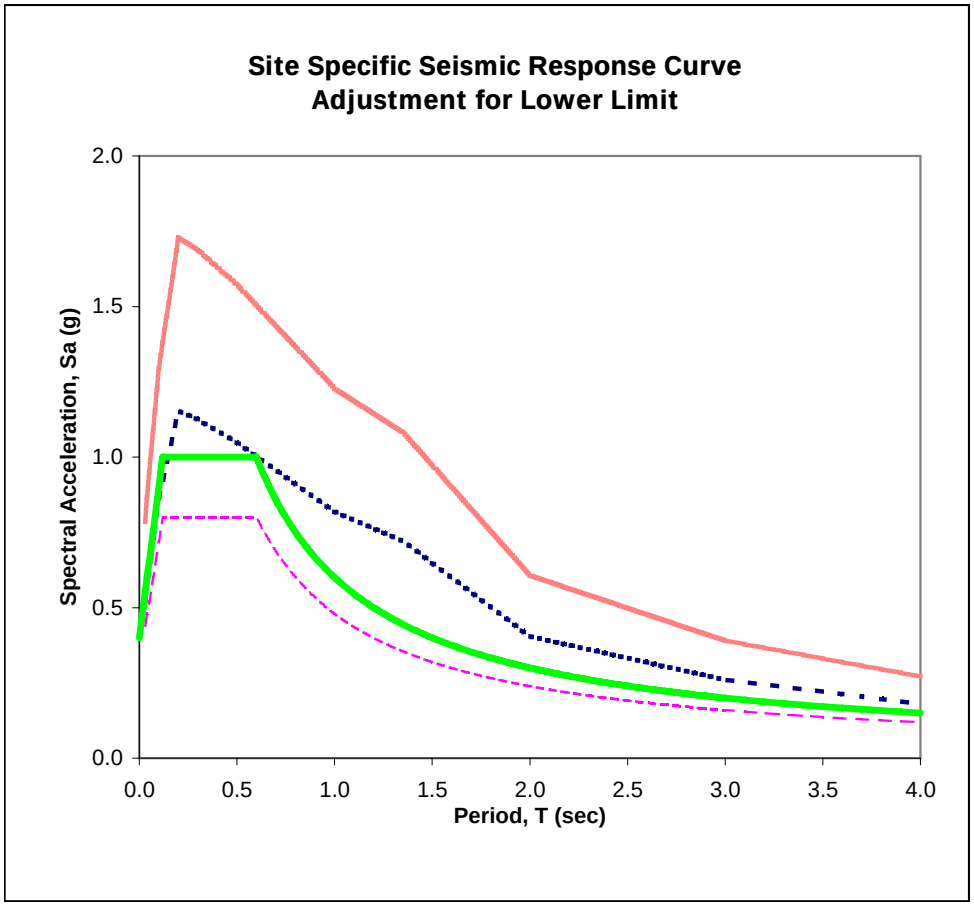
DETERMINISTIC MCE SPECTRUM (Section 21.2.2)		PROBABILISTIC MCE SPECTRUM (Section 21.2.1)		SITE SPECIFIC MCE SPECTRUM	
Period T (s)	S_{aM} (g)	Period T (s)	S_{aM} (g)	Period T (s)	S_{aM} (g)
0.03	1.50	0.03	0.78	0.03	0.78
0.05	1.50	0.05	0.95	0.05	0.95
0.10	1.50	0.10	1.29	0.10	1.29
0.20	2.03	0.20	1.73	0.20	1.73
0.30	2.17	0.30	1.69	0.30	1.69
0.50	2.04	0.50	1.57	0.50	1.57
1.00	1.34	1.00	1.23	1.00	1.23
2.00	0.61	2.00	0.81	2.00	0.61
3.00	0.39	3.00	0.56	3.00	0.39
4.00	0.27	4.00	0.41	4.00	0.27

Analysis Information

For site-specific MCE response spectrum, choose lower of probabilistic MCE and deterministic MCE values at each period *T* (ASCE 7-05, 21.2.3).

SITE SPECIFIC CURVE (ASCE 7-05, 21.3)

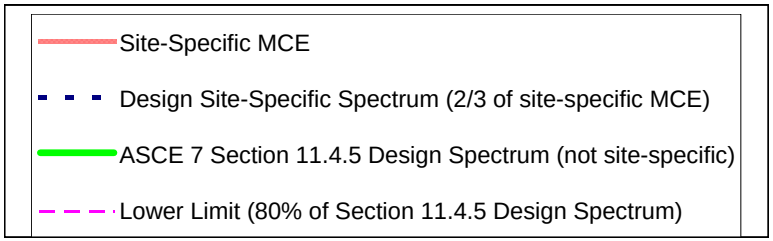
Project Name:	RUSD North High School	**Project Manager:**	JDH
Project Number:	602879-001	**Engineer:**	MDH
Location:	1550 Third Street, Riverside, CA, (33.9804°N, 117.3479°W)	**Date:**	June 29, 2010



PERIOD T (s)	Site Specific MCE S_{aM} (Sec 21.2.3) (g)	Design Site-Specific S_a (=2/3 SaM) (g)	Design Spectral Accel, S_a (Sec 11.4.5) (g)	ASCE 7-05 Lower Limit (g)	Design Response Curve S_a (g)
0.03	0.78	0.52	0.55	0.44	0.52
0.05	0.95	0.63	0.65	0.52	0.63
0.10	1.29	0.86	0.90	0.72	0.86
0.20	1.73	1.15	1.00	0.80	1.15
0.30	1.69	1.13	1.00	0.80	1.13
0.50	1.57	1.05	1.00	0.80	1.05
1.00	1.23	0.82	0.60	0.48	0.82
2.00	0.61	0.40	0.30	0.24	0.40
3.00	0.39	0.26	0.20	0.16	0.26
4.00	0.27	0.18	0.15	0.12	0.18

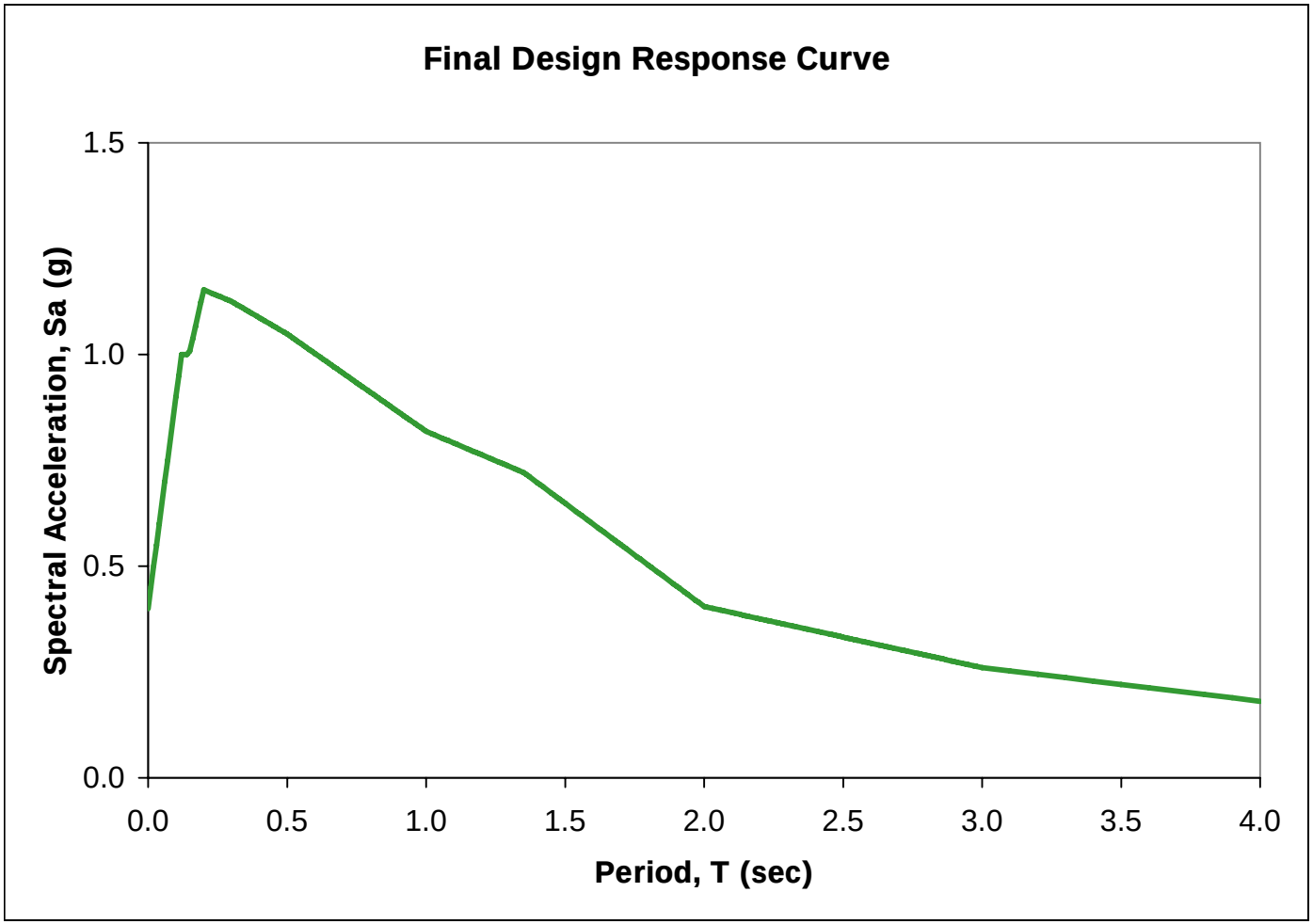
Analysis Information

Site-specific spectral accelerations may not fall below 80% of Sa determined in accordance with Section 11.4.5 of ASCE 7-05. Site-specific design spectral response accelerations are 2/3 of site-specific MCE spectral response accelerations.



SITE SPECIFIC SEISMIC RESPONSE ANALYSIS (ASCE 7-05, CH. 21)

Project Name:	RUSD North High School	**Project Manager:**	JDH
Project Number:	602879-001	**Engineer:**	MDH
Location:	1550 Third Street, Riverside, CA, (33.9804°N, 117.3479°W)	**Date:**	June 29, 2010



SITE SPECIFIC DESIGN SEISMIC RESPONSE

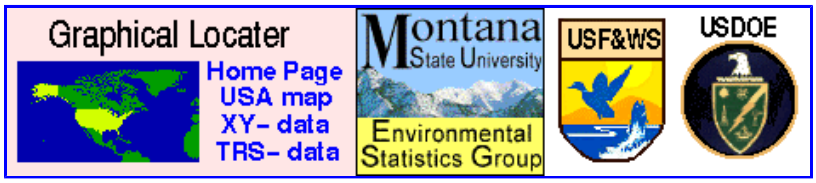
PERIOD T (s)	FINAL DESIGN SPECTRUM Sa* (g)
0.03	0.55
0.05	0.65
0.10	0.90
0.20	**1.15**
0.30	1.13
0.50	1.05
1.00	**0.82**
2.00	**0.40**
3.00	0.26
4.00	0.18

S_{DS}**	**1.15**
S_{D1}¥	**0.82**

*Response curve constructed using relationships by Campbell-Bozorgnia (2003), Sadigh (1997), Boore-Joyner-Fumal (1997), Abrahamson-Silva (1997)

** S_{DS} defined as greater of Sa at T = 0.2s and 90% of peak Sa. (ASCE 7-05, 21.4)

¥ S_{D1} defined as greater of Sa at T = 1s and 2 x Sa at T = 2s. (ASCE 7-05, 21.4)



The selected location is:

Latitude/Longitude 33.9804°N, 117.3479°W (33°, 58', 49.3" N; 117°, 20', 52.3" W)
The legal description is: California, San Bernardino Meridian T2S,R5W,sec24
UTM zone 11 (X,Y) 467868 , 3760032

The elevation is 287 m (941 ft)
The gradient is: 1.8 percent
The aspect direction is: 146.8 degrees or SE
The local roughness is: 1.5 or average
The location as decimal degrees (X,Y;Z) = -117.3479, 33.9804; 287 m

The state and county are California: Riverside County 6065
The HUC is Santa Ana 18070203; Place point in HUC
The Omernik ecoregion is Southern and Central California Plains and Hills (less typical) 6
The 1:100,000 map (if available); Switch to TerraServer
Zoom on that location with radius = 2 km; 5 km ; 10 km ; 20 km ; 30 km ; custom.

Nearby named places (in order by distance)

1. North High School; California: Riverside Co. -117.3459, 33.9819 at a distance of 253 m
2. Patterson Park; California: Riverside Co. -117.3515, 33.9786 at a distance of 385 m
3. University Heights Junior High School; California: Riverside Co. -117.3562, 33.9750 at a distance of 969 m
4. Longfellow School; California: Riverside Co. -117.3590, 33.9781 at a distance of 1056 m
5. Riverside Junction; California: Riverside Co. -117.3612, 33.9853, (881 ft) at a distance of 1347 m
6. Gage Canal; California: Riverside Co. -117.3323, 33.9858 at a distance of 1563 m
7. Bordwell Park; California: Riverside Co. -117.3562, 33.9669 at a distance of 1676 m
8. Emerson School; California: Riverside Co. -117.3523, 33.9656 at a distance of 1685 m
9. Canyon Crest Heights; California: Riverside Co. -117.3290, 33.9806, (1060 ft) at a distance of 1746 m
10. University Of California Riverside; California: Riverside Co. -117.3309, 33.9733 at a distance of 1753 m

The 7.5 minute series topographic maps for that area

Fontana	San Bernardino South	Redlands
Riverside West	**Riverside East**	Sunnymead
Lake Mathews	Steele Peak	Perris

This was request number 3423705
dlg@rapid.msu.montana.edu

John North HS

LIQUEFACTION

INTERSTATES HIGHWAYS CITY PARCELS

Low Moderate

IMPORTANT
Maps and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

REPORT PRINTED ON...Tue Apr 27 09:41:46 2010

John North HS

FLOOD ZONES

- INTERSTATES
- HIGHWAYS
- CITY
- PARCELS
- FLOOD PLAIN REVIEW REQUIRED
- MAYBE SUBJECT TO A FLOOD PLAIN REVIEW

REPORT PRINTED ON...Tue Apr 27 09:40:56 2010

APPENDIX E

GENERAL EARTHWORK AND GRADING SPECIFICATIONS

LEIGHTON CONSULTING, INC.

GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADING

Table of Contents

1.0 General

1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these more general Specifications. Observations of the earthwork by the project Geotechnical Consultant during the course of grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).

1.2 The Geotechnical Consultant of Record: Prior to commencement of work, the owner shall employ the Geotechnical Consultant of Record (Geotechnical Consultant). The Geotechnical Consultants shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of the grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During the grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all key bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of the subgrade and fill materials and perform relative compaction testing of fill to determine the attained level of compaction. The Geotechnical Consultant shall provide the test results to the owner and the Contractor on a routine and frequent basis.

1.3 The Earthwork Contractor: The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The

Contractor shall be solely responsible for performing the grading in accordance with the plans and specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork contemplated for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are rectified.

2.0 Preparation of Areas to be Filled

2.1 Clearing and Grubbing: Vegetation, such as brush, grass, roots, and other deleterious material shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant.

The Geotechnical Consultant shall evaluate the extent of these removals depending on specific site conditions. Earth fill material shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent of organic matter. Nesting of the organic materials shall not be allowed.

If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area.

As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, coolant, etc.) have chemical constituents that are considered to be hazardous waste. As such, the indiscriminate dumping or spillage of these fluids onto the ground may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

2.2 Processing: Existing ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Existing ground that is not satisfactory shall be overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction.

2.3 Overexcavation: In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured or otherwise unsuitable ground shall be overexcavated to competent ground as evaluated by the Geotechnical Consultant during grading.

2.4 Benching: Where fills are to be placed on ground with slopes steeper than 5:1 (horizontal to vertical units), the ground shall be stepped or benched. Please see the Standard Details for a graphic illustration. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for the fill.

2.5 Evaluation/Acceptance of Fill Areas: All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.

3.0 Fill Material

3.1 General: Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.

3.2 Oversize: Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction.

3.3 Import: If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1. The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before importing begins so that its suitability can be determined and appropriate tests performed.

4.0 Fill Placement and Compaction

4.1 Fill Layers: Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.

4.2 Fill Moisture Conditioning: Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with the American Society of Testing and Materials (ASTM Test Method D1557-91).

4.3 Compaction of Fill: After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557-91). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction with uniformity.

4.4 Compaction of Fill Slopes: In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557-91.

4.5 Compaction Testing: Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).

4.6 Frequency of Compaction Testing: Tests shall be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill soils embankment. In addition, as a guideline, at least one test shall be taken on slope faces for each 5,000 square feet of slope face and/or each 10 feet of vertical height of slope. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.

4.7 Compaction Test Locations: The Geotechnical Consultant shall document the approximate elevation and horizontal coordinates of each test location. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so that the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided.

5.0 Subdrain Installation

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and the Standard Details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed by a land surveyor/civil engineer for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys.

6.0 Excavation

Excavations, as well as over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical plans are estimates only. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.

7.0 Trench Backfills

7.1 Safety: The Contractor shall follow all OHSA and Cal/OSHA requirements for safety of trench excavations.

7.2 Bedding and Backfill: All bedding and backfill of utility trenches shall be done in accordance with the applicable provisions of Standard Specifications of Public Works Construction. Bedding material shall have a Sand Equivalent greater than 30 (SE>30). The bedding shall be placed to 1 foot over the top of the conduit and densified by jetting. Backfill shall be placed and densified to a minimum of 90 percent of maximum from 1 foot above the top of the conduit to the surface.

The Geotechnical Consultant shall test the trench backfill for relative compaction. At least one test should be made for every 300 feet of trench and 2 feet of fill.

7.3 Lift Thickness: Lift thickness of trench backfill shall not exceed those allowed in the Standard Specifications of Public Works Construction unless the Contractor can demonstrate to the Geotechnical Consultant that the fill lift can be compacted to the minimum relative compaction by his alternative equipment and method.

7.4 Observation and Testing: The jetting of the bedding around the conduits shall be observed by the Geotechnical Consultant.

Appendix D.
EDR Radius Map

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North High School
1550 Third Street
Riverside, CA 92507

Inquiry Number: 2828680.4s
July 29, 2010

The EDR Radius Map™ Report with GeoCheck®

508

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

FORM-NULL-MAR

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1550 THIRD STREET
RIVERSIDE, CA 92507

COORDINATES

Latitude (North):	33.981400 - 33° 58' 53.0''
Longitude (West):	117.347200 - 117° 20' 49.9''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	467929.1
UTM Y (Meters):	3759953.5
Elevation:	955 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-H3 RIVERSIDE EAST, CA
Most Recent Revision:	1980

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NORTH HIGH SCHOOL 1550 W. THIRD SCHOOL RIVERSIDE, CA 92507	RCRA-LQG	CAL000110051
NORTH (JOHN W.) HIGH 1550 THIRD ST. RIVERSIDE, CA 92507	FINDS	N/A
RUSD - NORTH HIGH SCHOOL 1550 3RD ST RIVERSIDE, CA 92507	HAZNET	N/A
NORTH HIGH SCHOOL 1550 THIRD STREET RIVERSIDE, CA 92507	HAZNET EMI	N/A
1550 3RD STREET NORTH HIGH SCHOOL 1550 3RD STREET NORTH HIGH SCHOOL RIVERSIDE, CA	CHMIRS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---- National Priority List
Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---- Federal Facility Site Information listing

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-CESQG ---- RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROL ---- Sites with Institutional Controls

Federal ERNS list

ERNS ---- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ---- Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST ---- Aboveground Petroleum Storage Tank Facilities

INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
WMUDS/SWAT ..... Waste Management Unit Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
SCH ..... School Property Evaluation Program
Toxic Pits ..... Toxic Pits Cleanup Act Sites
CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LUCIS ..... Land Use Control Information System
LIENS ..... Environmental Liens Listing
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing

Other Ascertainable Records

RCRA-NonGen ..... RCRA - Non Generators
DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
CONSENT ..... Superfund (CERCLA) Consent Decrees
ROD ..... Records Of Decision
UMTRA ..... Uranium Mill Tailings Sites
MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System

TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RADINFO ..... Radiation Information Database
RAATS ..... RCRA Administrative Action Tracking System
CA WDS ..... Waste Discharge System
NPDES ..... NPDES Permits Listing
Cortese ..... "Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS ..... Cleaner Facilities
WIP ..... Well Investigation Program Case List
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE ..... Financial Assurance Information Listing
HWT ..... Registered Hazardous Waste Transporter Database
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
COAL ASH DOE ..... Sleam-Electric Plan Operation Data
MWMP ..... Medical Waste Management Program Listing
PROC ..... Certified Processors Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants ..... EDR Proprietary Manufactured Gas Plants
EDR Historical Cleaners ..... EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 01/29/2010 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DEVOE COATINGS	*2625 DURAHART ST*	*NNW 1/4 - 1/2 (0.384 mi.)*	*P82*	*129*

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/23/2009 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL WOODS LAMINATING & MILLING	1850 MASS AVE. BLDG 'C'	NW 1/4 - 1/2 (0.336 mi.)	73	119

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/25/2010 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY OF CA RIVERSIDE	*RIVERSIDE CAMPUS*	*ESE 1/2 - 1 (0.794 mi.)*	*97*	*156*

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity

generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SHERWIN WILLIAMS COMPANY NO 43	*1560 W LINDEN ST*	*S 0 - 1/8 (0.002 mi.)*	*C14*	*26*
WEST COAST PAINTING	1611 7TH ST	S 0 - 1/8 (0.085 mi.)	G30	46

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 16 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ELECTROCOAT	*1525 3RD ST STE G*	*0 - 1/8 (0.000 mi.)*	*B11*	*19*
RIVERSIDE COUNTY LINDEN CLINIC	*1520 LINDEN ST*	*S 0 - 1/8 (0.001 mi.)*	*C12*	*21*
FMC TECHNOLOGIES INC	*1540 LINDEN STREET*	*S 0 - 1/8 (0.002 mi.)*	*C13*	*23*
EMERALD MOLD	*1473 LINDEN ST UNIT J*	*E 0 - 1/8 (0.030 mi.)*	*17*	*32*
ENVIRONMENTAL METALS CORP	*1521 7TH ST*	*S 0 - 1/8 (0.083 mi.)*	*H27*	*42*
THERMOCLAD CO THE	*1541 7TH ST*	*S 0 - 1/8 (0.083 mi.)*	*H29*	*45*
JOYTECH INTERNATIONAL INC	*3421 GATO CT*	*E 0 - 1/8 (0.114 mi.)*	*38*	*60*
TEXACO SERVICE STATION 120593	*1300 BLAINE ST*	*E 1/8 - 1/4 (0.249 mi.)*	*M64*	*103*

Lower Elevation	Address	Direction / Distance	Map ID	Page
MASTER PRINTING	*3369 CHICAGO AVE*	*W 0 - 1/8 (0.004 mi.)*	*15*	*29*
MB PRINT AND SILKSCREENING CO	*3215 CHICAGO AVE STE A*	*N 0 - 1/8 (0.058 mi.)*	*E20*	*35*
BAXTER HEALTHCARE CORP	*3333 DURHART ST*	*W 0 - 1/8 (0.081 mi.)*	*F26*	*41*
TRM COPY CENTER	*3390 DURAHART ST*	*W 0 - 1/8 (0.088 mi.)*	*31*	*48*
BREAKER TECH LTD	*3464 DURAHART ST*	*W 0 - 1/8 (0.092 mi.)*	*32*	*51*
INTERSTATE BRAND	*1781 3RD ST*	*W 0 - 1/8 (0.113 mi.)*	*F36*	*58*
CADDOCK ELECTRONICS, INC	*3127 CHICAGO AVE*	*N 0 - 1/8 (0.122 mi.)*	*I39*	*62*
RIVERSIDE TRANSIT AGENCY	*1825 THIRD STREET*	*W 1/8 - 1/4 (0.189 mi.)*	*K53*	*78*

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 06/16/2010 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY OF CALIFORNIA - RIV	*1060 PENNSYLVANIA AVENU*	*SSE 1/2 - 1 (0.843 mi.)*	*100*	*185*

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 06/16/2010 has revealed that there are 10 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THERMOCLAD COMPANY Status: Inactive - Needs Evaluation	1541 7TH ST	S 0 - 1/8 (0.083 mi.)	H28	44
VALERION CORPORATION Status: Refer: Other Agency	***2280 IOWA***	***NNE 1/2 - 1 (0.584 mi.)***	***94***	***153***
UNIVERSITY OF CA RIVERSIDE Status: * Inactive	***RIVERSIDE CAMPUS***	***ESE 1/2 - 1 (0.794 mi.)***	***97***	***156***
UNIVERSITY OF CALIFORNIA - RIV Status: Certified	***1060 PENNSYLVANIA AVENU***	***SSE 1/2 - 1 (0.843 mi.)***	***100***	***185***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA SPRAY CHEMICAL COMP Status: Inactive - Needs Evaluation	3530 CHICAGO AV	S 0 - 1/8 (0.032 mi.)	D18	34
EASTSIDE ELEMENTARY SCHOOL Status: Inactive - Needs Evaluation	***UNIVERSITY AVENUE/OTTAW***	***SW 1/4 - 1/2 (0.365 mi.)***	***76***	***122***
DEVOE MARINE COATINGS Status: Refer: Other Agency	2625 DURAHART STREET	NNW 1/4 - 1/2 (0.384 mi.)	P81	128
"ALCAN, INC." Status: Inactive - Needs Evaluation	3016 KANSAS AV	WNW 1/2 - 1 (0.533 mi.)	93	152
WESTERN FARM SERVICE Status: Inactive - Needs Evaluation	***2622 3RD ST***	***W 1/2 - 1 (0.806 mi.)***	***T98***	***184***
WEILAND & COMPANY Status: Inactive - Needs Evaluation	3491 COMMERCE	W 1/2 - 1 (0.958 mi.)	101	201

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 06/22/2010 has revealed that there are 35

LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
THIRD ST ARCO ***ARCO #1841*** Status: Completed - Case Closed	***1505 THIRD ST*** ***1505 3RD ST***	***0 - 1/8 (0.000 mi.)*** ***0 - 1/8 (0.000 mi.)***	***B6*** ***B10***	***13*** ***17***
76 STATION #5856 76 STATION 5856 Status: Open - Site Assessment	1395 BLAINE 1395 BLAINE STREET	E 1/8 - 1/4 (0.126 mi.) E 1/8 - 1/4 (0.130 mi.)	J41 J47	68 72
MOBIL #18-D9M Status: Completed - Case Closed	***1360 BLAINE ST***	***E 1/8 - 1/4 (0.178 mi.)***	***J50***	***74***
MOBIL #18-D9M BUY RITE Status: Open - Remediation	1360 BLAINE ST 3750 CHICAGO AVENUE	E 1/8 - 1/4 (0.178 mi.) S 1/8 - 1/4 (0.218 mi.)	J52 L56	78 96
BUY RITE #203 TEXACO BLAINE ***TEXACO SERVICE STATION 120593*** Status: Completed - Case Closed	***3750 CHICAGO AVE*** 1300 BLAINE ST ***1300 BLAINE ST***	***S 1/8 - 1/4 (0.218 mi.)*** E 1/8 - 1/4 (0.237 mi.) ***E 1/8 - 1/4 (0.249 mi.)***	***L57*** M59 ***M64***	***98*** 99 ***103***
EXXON SERVICE STATION #2899 Status: Completed - Case Closed	1300 BLAINE ST	E 1/8 - 1/4 (0.249 mi.)	M65	108
SHELL IOWA AVENUE Status: Completed - Case Closed	3261 IOWA AVENUE	E 1/4 - 1/2 (0.252 mi.)	N67	110
BLAINE SHELL Status: Completed - Case Closed	***3261 IOWA AVE***	***E 1/4 - 1/2 (0.252 mi.)***	***N69***	***114***
SHELL BLAINE ***UNOCAL #3779*** EXXON SERVICE STATION #3645 Status: Completed - Case Closed	3261 IOWA AVE ***1490 UNIVERSITY AVE*** 1295 UNIVERSITY AVE	E 1/4 - 1/2 (0.252 mi.) ***S 1/4 - 1/2 (0.258 mi.)*** SE 1/4 - 1/2 (0.363 mi.)	N70 ***71*** O74	116 ***117*** 120
THRIFTY OIL #344/ ARCO #9714 Status: Open - Remediation	1294 UNIVERSITY AVE	SE 1/4 - 1/2 (0.370 mi.)	O78	126
THRIFTY OIL #344 ARCO #9714 ***TEXACO SERVICE STATION*** Status: Completed - Case Closed	1294 UNIVERSITY AVE ***1221 UNIVERSITY AVE***	SE 1/4 - 1/2 (0.370 mi.) ***SE 1/4 - 1/2 (0.423 mi.)***	O79 ***Q85***	127 ***140***
TEXACO ***MOBIL #18-402*** Status: Open - Verification Monitoring	1221 UNIVERSITY AVE ***1147 UNIVERSITY AVE***	SE 1/4 - 1/2 (0.423 mi.) ***ESE 1/4 - 1/2 (0.494 mi.)***	Q86 ***S91***	143 ***147***
MOBIL #18-402	1147 UNIVERSITY AVE	ESE 1/4 - 1/2 (0.494 mi.)	S92	151

Lower Elevation	Address	Direction / Distance	Map ID	Page
MERIT OIL CO ***MERIT OIL COMPANY*** Status: Completed - Case Closed	1751 THIRD ST ***1751 3RD ST***	W 0 - 1/8 (0.063 mi.) ***W 0 - 1/8 (0.063 mi.)***	F21 ***F23***	36 ***38***
CONTINENTAL BAKING COMPANY Status: Completed - Case Closed	1781 3RD ST	W 0 - 1/8 (0.113 mi.)	F33	54
CONTINENTAL BAKING CO ***HOSTESS/INTERSTATE BRANDS CORP*** Status: Completed - Case Closed	***1781 THIRD ST*** ***1781 3RD ST***	***W 0 - 1/8 (0.113 mi.)*** ***W 0 - 1/8 (0.113 mi.)***	***F34*** ***F35***	***55*** ***56***
INTERSTATE BRANDS CORP (HOSTES ***RIVERSIDE TRANSIT AGENCY*** Status: Completed - Case Closed Status: Completed - Case Closed	1781 THIRD ST ***1825 THIRD STREET***	W 0 - 1/8 (0.113 mi.) ***W 1/8 - 1/4 (0.189 mi.)***	F37 ***K53***	60 ***78***

**Additional key fields are available in the Map Findings section*

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIVERSIDE TRANSIT AGENCY	***1825 THIRD ST***	***W 1/8 - 1/4 (0.189 mi.)***	***K54***	***90***
DEVOE MARINE	2625 DURAHART ST	NNW 1/4 - 1/2 (0.384 mi.)	P80	128
DEVOE COATINGS	***2625 DURAHART ST***	***NNW 1/4 - 1/2 (0.384 mi.)***	***P82***	***129***
Status: Completed - Case Closed				
LAUS INVESTMENT COMPANY	2620 DURAHART ST	NNW 1/4 - 1/2 (0.386 mi.)	P83	138
Status: Completed - Case Closed				
J D DIFFENBAUGH	2375 CHICAGO AVE	N 1/4 - 1/2 (0.467 mi.)	R89	145
DIFFENBAUGH, J.D.	***2375 CHICAGO AVE***	***N 1/4 - 1/2 (0.467 mi.)***	***R90***	***145***
Status: Completed - Case Closed				

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 06/22/2010 has revealed that there are 3 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNOCAL #3779	***1490 UNIVERSITY AVE***	***S 1/4 - 1/2 (0.258 mi.)***	***71***	***117***
Facility Status: Completed - Case Closed				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MC SPI INC	***3035 CHICAGO AVE***	***N 1/8 - 1/4 (0.172 mi.)***	***I48***	***73***
Facility Status: Completed - Case Closed				
LUXFER GAS CYLINDERS	1995 THIRD STREET	W 1/4 - 1/2 (0.428 mi.)	87	143
Facility Status: Open - Verification Monitoring				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 06/22/2010 has revealed that there are 9 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1841	***1505 3RD ST***	***0 - 1/8 (0.000 mi.)***	***B10***	***17***
TOSCO CORPORATION SS# 31001	1395 BLAINE ST	E 1/8 - 1/4 (0.130 mi.)	J44	71
BLAINE 76	1395 W BLAINE ST	E 1/8 - 1/4 (0.130 mi.)	J46	72
RIVERSIDE ULTRAMAR	1360 W. BLAINE ST.	E 1/8 - 1/4 (0.178 mi.)	J49	74
RIVERSIDE ULTRAMAR	1360 W BLAINE ST	E 1/8 - 1/4 (0.178 mi.)	J51	78
BUY RITE #203	***3750 CHICAGO AVE***	***S 1/8 - 1/4 (0.218 mi.)***	***L55***	***95***
TEXACO STATION	***1300 BLAINE ST***	***E 1/8 - 1/4 (0.249 mi.)***	***M61***	***100***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MERIT OIL COMPANY	***1751 3RD ST***	***W 0 - 1/8 (0.063 mi.)***	***F23***	***38***
RIVERSIDE TRANSIT AGENCY	***1825 THIRD STREET***	***W 1/8 - 1/4 (0.189 mi.)***	***K53***	***78***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/24/2010 has revealed that there are 2 SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TOMRA PACIFIC INC	2995 IOWA AVE	NE 1/4 - 1/2 (0.315 mi.)	72	118
FOOD 4 LESS #329	***3900 CHICAGO AVE***	***S 1/4 - 1/2 (0.463 mi.)***	***88***	***144***

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY OF CALIFORNIA - RIV	***1060 PENNSYLVANIA AVENU***	***SSE 1/2 - 1 (0.843 mi.)***	***100***	***185***

Local Lists of Registered Storage Tanks

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 12 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1841	***1505 THIRD ST***	***0 - 1/8 (0.000 mi.)***	***B9***	***16***
RIVERSIDE CITY FIRE STAT #4	***3510 CRANFORD AVE***	***SSE 0 - 1/8 (0.017 mi.)***	***C16***	***32***
MITCHELL GLASS	***3595 PRESLEY AVE***	***S 0 - 1/8 (0.080 mi.)***	***G25***	***40***
UNOCAL SS #5856	***1395 BLAINE ST***	***E 1/8 - 1/4 (0.130 mi.)***	***J43***	***69***
MOBIL #18-D9M	***1360 BLAINE ST***	***E 1/8 - 1/4 (0.178 mi.)***	***J50***	***74***
BUY RITE #203	***3750 CHICAGO AVE***	***S 1/8 - 1/4 (0.218 mi.)***	***L57***	***98***
TEXACO SERVICE STATION	1300 BLAINE ST	E 1/8 - 1/4 (0.249 mi.)	M62	102

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMENDT OIL COMPANY	***1751 THIRD ST***	***W 0 - 1/8 (0.063 mi.)***	***F22***	***37***
CONTINENTAL BAKING CO	***1781 THIRD ST***	***W 0 - 1/8 (0.113 mi.)***	***F34***	***55***
CADDOCK ELECTRONICS INC	***3127 CHICAGO AVE***	***N 0 - 1/8 (0.122 mi.)***	***I40***	***65***
MC SPI INC	***3035 CHICAGO AVE***	***N 1/8 - 1/4 (0.172 mi.)***	***I48***	***73***
RIVERSIDE TRANSIT AGENCY	***1825 THIRD ST***	***W 1/8 - 1/4 (0.189 mi.)***	***K54***	***90***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PAUL J ADCOCK	1505 3RD ST	0 - 1/8 (0.000 mi.)	B8	14
UNION OIL SERVICE STATION #585	1395 W BLAINE ST	E 1/8 - 1/4 (0.130 mi.)	J42	69
STATION #5856	1395 W BLAINE ST	E 1/8 - 1/4 (0.130 mi.)	J45	71
CHARGER #4	3750 CHICAGO AVE	S 1/8 - 1/4 (0.218 mi.)	L58	98
DAVID NEWMAN	1306 W BLAINE ST	E 1/8 - 1/4 (0.239 mi.)	M60	99
EXXON SERVICE STATION	1300 W BLAINE ST	E 1/8 - 1/4 (0.249 mi.)	M63	102
EXXON R/S #7-2899	1300 W BLAINE ST	E 1/8 - 1/4 (0.249 mi.)	M66	109

Lower Elevation	Address	Direction / Distance	Map ID	Page
EDWARD S. BABCOCK & SONS, INC.	3215 CHICAGO AVE	N 0 - 1/8 (0.058 mi.)	E19	35

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 12 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1841	*1505 THIRD ST*	*0 - 1/8 (0.000 mi.)*	*B9*	*16*
RIVERSIDE CITY FIRE STAT #4	*3510 CRANFORD AVE*	*SSE 0 - 1/8 (0.017 mi.)*	*C16*	*32*
MITCHELL GLASS	*3595 PRESLEY AVE*	*S 0 - 1/8 (0.080 mi.)*	*G25*	*40*
UNOCAL SS #5856	*1395 BLAINE ST*	*E 1/8 - 1/4 (0.130 mi.)*	*J43*	*69*
MOBIL #18-D9M	*1360 BLAINE ST*	*E 1/8 - 1/4 (0.178 mi.)*	*J50*	*74*
BUY RITE #203	*3750 CHICAGO AVE*	*S 1/8 - 1/4 (0.218 mi.)*	*L55*	*95*
TEXACO STATION	*1300 BLAINE ST*	*E 1/8 - 1/4 (0.249 mi.)*	*M61*	*100*

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMENDT OIL COMPANY	*1751 THIRD ST*	*W 0 - 1/8 (0.063 mi.)*	*F22*	*37*
CONTINENTAL BAKING CO	*1781 THIRD ST*	*W 0 - 1/8 (0.113 mi.)*	*F34*	*55*
CADDOCK ELECTRONICS INC	*3127 CHICAGO AVE*	*N 0 - 1/8 (0.122 mi.)*	*I40*	*65*
MC SPI INC	*3035 CHICAGO AVE*	*N 1/8 - 1/4 (0.172 mi.)*	*I48*	*73*
RIVERSIDE TRANSIT AGENCY	*1825 THIRD ST*	*W 1/8 - 1/4 (0.189 mi.)*	*K54*	*90*

Other Ascertainable Records

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY OF CALIFORNIA - RIV	*1060 PENNSYLVANIA AVENU*	*SSE 1/2 - 1 (0.843 mi.)*	*100*	*185*

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 10 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #1841	*1505 THIRD ST*	*0 - 1/8 (0.000 mi.)*	*B9*	*16*
MOBIL #18-D9M	*1360 BLAINE ST*	*E 1/8 - 1/4 (0.178 mi.)*	*J50*	*74*
SHELL	*3261 IOWA AVE*	*E 1/4 - 1/2 (0.252 mi.)*	*N68*	*112*
TEXACO REFINING AND MARKETING	*1295 UNIVERSITY*	*SE 1/4 - 1/2 (0.363 mi.)*	*O75*	*121*
ARCO PRODUCTS COMPANY #9714	*1294 UNIVERSITY*	*SE 1/4 - 1/2 (0.370 mi.)*	*O77*	*124*
TEXACO SERVICE STATION	*1221 UNIVERSITY AVE*	*SE 1/4 - 1/2 (0.423 mi.)*	*Q85*	*140*
MOBIL #18-402	*1147 UNIVERSITY AVE*	*ESE 1/4 - 1/2 (0.494 mi.)*	*S91*	*147*

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMENDT OIL COMPANY	*1751 THIRD ST*	*W 0 - 1/8 (0.063 mi.)*	*F22*	*37*
CONTINENTAL BAKING CO	*1781 THIRD ST*	*W 0 - 1/8 (0.113 mi.)*	*F34*	*55*
RIVERSIDE TRANSIT AGENCY	*1825 THIRD ST*	*W 1/8 - 1/4 (0.189 mi.)*	*K54*	*90*

Notify 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 6 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO STATION #1841	1505 THIRD	0 - 1/8 (0.000 mi.)	B7	14

Lower Elevation	Address	Direction / Distance	Map ID	Page
HOSTESS/INTERSTATE BRANDS CORP	*1781 3RD ST*	*W 0 - 1/8 (0.113 mi.)*	*F35*	*56*
J.D. DIFFENBRUGH	2375 CHICAGO STREET	N 1/4 - 1/2 (0.407 mi.)	84	139
LEWIS, A.M.	2727 KANSAS AVENUE	WNW 1/2 - 1 (0.590 mi.)	95	154
HARRIS FENCE COMPANY	*715 LA CADENA DR*	*NNW 1/2 - 1 (0.705 mi.)*	*96*	*154*
SINGLETARY, KING	2675 THIRD	W 1/2 - 1 (0.828 mi.)	T99	185

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/11/2010 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSITY OF CA RIVERSIDE	*RIVERSIDE CAMPUS*	*ESE 1/2 - 1 (0.794 mi.)*	*97*	*156*

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR Historical Auto Stations: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

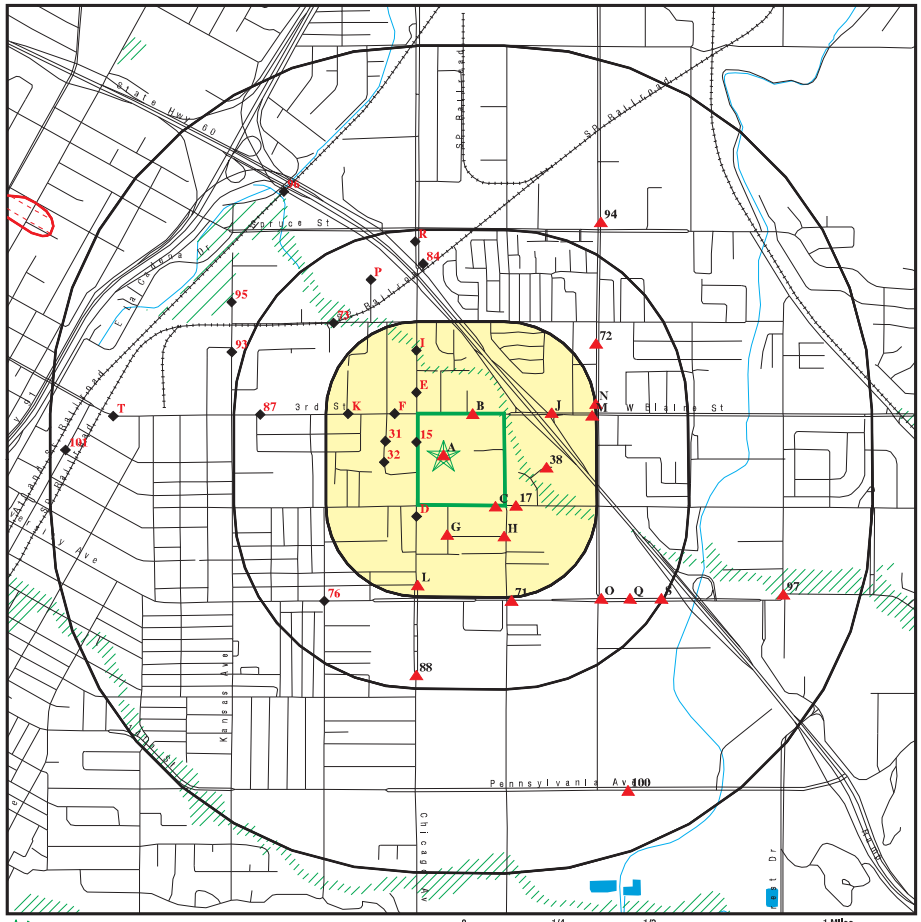
A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there is 1 EDR Historical Auto Stations site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHICAGO BODY WORKS	3580 CHICAGO AVE	S 0 - 1/8 (0.073 mi.)	D24	40

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
JURUPA UNIFIED SCHOOL DIS	HIST CORTESE
ECONO LUBE N' TUNE	CA FID UST, SWEEPS UST
CAMP HAAN RIFLE RANGE	Cortese, RESPONSE, ENVIROSTOR
NEAR RIVERSIDE	CERCLIS, FINDS
SMITH PROPERTY	LUST
SMITH PROPERTY	LUST
STEARNS DOWNTOWN LIQUOR	LUST
UCR - PARKING LOT 6	LUST
BLYTHE AIRPORT	HIST UST
EDGEMONT SHELL	HIST UST
10171 MISSION BOULEVARD HWY	RCRA-LQG, FINDS, HAZNET
OFF HWY	RCRA-SQG, FINDS
MAGNOLIA JUST NORTH OF MERRIL	ERNS
PATRICIA BEATTY ELEMENTARY SCHOOL	FINDS
3RD AND COMMERCE STREETS (RCTC)	US BROWNFIELDS
PROPOSED CITRUS HERITAGE MIDDLE SC	SCH, ENVIROSTOR

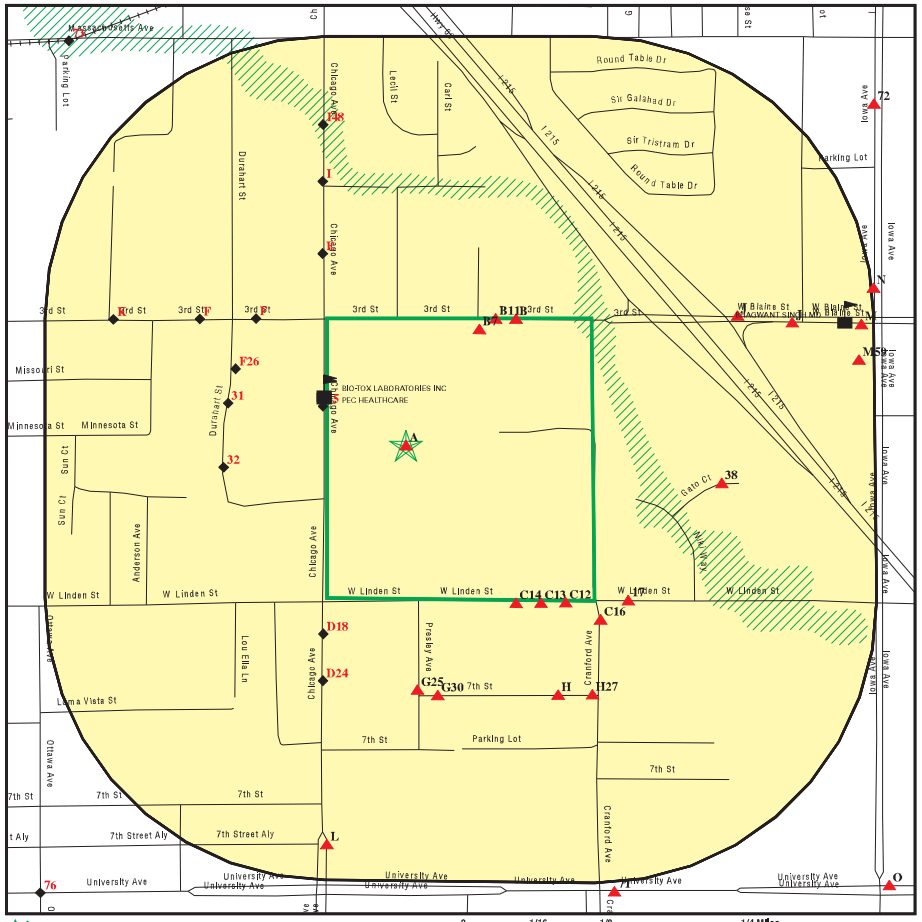
OVERVIEW MAP - 2828680.4s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

SITE NAME: North High School ADDRESS: 1550 Third Street Riverside CA 92507 LAT/LONG: 33.9814 / 117.3472	CLIENT: The Planning Center-LA Office CONTACT: Henry Kaplan INQUIRY #: 2828680.4s DATE: July 29, 2010 9:03 am

DETAIL MAP - 2828680.4s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

SITE NAME: North High School ADDRESS: 1550 Third Street Riverside CA 92507 LAT/LONG: 33.9814 / 117.3472	CLIENT: The Planning Center-LA Office CONTACT: Henry Kaplan INQUIRY #: 2828680.4s DATE: July 29, 2010 9:03 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	1	NR	NR	1
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	1	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	X	0.250	2	0	NR	NR	NR	2
RCRA-SQG		0.250	14	2	NR	NR	NR	16
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE		1.000	0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR		1.000	2	0	2	6	NR	10
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	8	11	16	NR	NR	35
SLIC		0.500	0	1	2	NR	NR	3

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	2	7	NR	NR	NR	9
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	2	NR	NR	2
HAULERS		TP	NR	NR	NR	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
HIST Cal-Sites		1.000	0	0	0	1	NR	1
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST		0.250	6	6	NR	NR	NR	12
HIST UST		0.250	2	6	NR	NR	NR	8
SWEEPS UST		0.250	6	6	NR	NR	NR	12
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
DEED		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
CHMIRS	X	TP	NR	NR	NR	NR	NR	0
LDS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	1	NR	1
CA WDS		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
HIST CORTESE		0.500	3	2	5	NR	NR	10
Notify 65		1.000	2	0	1	3	NR	6
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI	X	TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
HWP		1.000	0	0	0	1	NR	1
HWT		0.250	0	0	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
MWMP		0.250	0	0	NR	NR	NR	0
PROC		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	1	0	NR	NR	NR	1
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID / Direction / Distance / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

A1
Target Property

NORTH HIGH SCHOOL
1550 W. THIRD SCHOOL
RIVERSIDE, CA 92507

RCRA-LQG

1010313084
CAL000110051

Site 1 of 5 in cluster A

Actual: 955 ft.

RCRA-LQG:

Date form received by agency:	05/05/2006
Facility name:	NORTH HIGH SCHOOL
Facility address:	1550 W. THIRD SCHOOL RIVERSIDE, CA 92507
EPA ID:	CAL000110051
Mailing address:	1550 W. THIRD STREET RIVERSIDE, CA 92507
Contact:	BRIAN E CALDWELL
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(951) 788-7286
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	RIVERSIDE UNIFIED SCHOOL DISTRICT
Owner/operator address:	3300 14TH ST PO BOX 2800 RIVERSIDE, CA 92516
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	09/01/1965
Owner/Op end date:	Not reported

Owner/operator name:	RIVERSIDE UNIFIED SCHOOL DISTRICT
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	09/01/1965
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

NORTH HIGH SCHOOL (Continued) **1010313084**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: No

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: No

Historical Generators:
Date form received by agency: 05/05/2006
Facility name: NORTH HIGH SCHOOL
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND

NORTH HIGH SCHOOL (Continued) **1010313084**

1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

A2 **NORTH (JOHN W.) HIGH** **FINDS** **1008255115**
Target **1550 THIRD ST.** **N/A**
Property **RIVERSIDE, CA 92507**

Site 2 of 5 in cluster A

Actual: 955 ft.

FINDS:

Registry ID: 110036931345

Environmental Interest/Information System
US Geographic Names Information System (GNIS) is the official vehicle for geographic names used by the federal government and the source for applying geographic names to federal maps and other printed and electronic documents.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A3 **RUSD - NORTH HIGH SCHOOL** **HAZNET** **S103985664**
Target **1550 3RD ST** **N/A**
Property **RIVERSIDE, CA 92507**

Site 3 of 5 in cluster A

Actual: 955 ft.

HAZNET:
Gepaid: CAL000110051
Contact: DEBRA CAMPBELL
Telephone: 9517887585
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3380 14TH ST
Mailing City,St,Zip: RIVERSIDE, CA 925013810
Gen County: Riverside
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Off-specification, aged, or surplus inorganics
Disposal Method: Transfer Station
Tons: 0.1

RUSD - NORTH HIGH SCHOOL (Continued) **S103985664**

Facility County: Not reported

Gepaid: CAL000110051
Contact: BRIAN CALDWELL SFTY TECHNICIAN
Telephone: 9517887286
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3380 14TH ST
Mailing City,St,Zip: RIVERSIDE, CA 925013810
Gen County: Riverside
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: 181
Disposal Method: Not reported
Tons: 0
Facility County: Riverside

Gepaid: CAC002311321
Contact: RON MCDANIEL-CARDINAL ENVIRO
Telephone: 7147305931
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3070 WASHINGTON ST
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 16.85
Facility County: Not reported

Gepaid: CAC002311321
Contact: RON MCDANIEL-CARDINAL ENVIRO
Telephone: 7147305931
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3070 WASHINGTON ST
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.84
Facility County: Not reported

Gepaid: CAL000110051
Contact: RHONDA RITHMIRE
Telephone: 9097887286
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3380 14TH ST
Mailing City,St,Zip: RIVERSIDE, CA 92501
Gen County: Riverside
TSD EPA ID: CAD008364432
TSD County: Riverside

RUSD - NORTH HIGH SCHOOL (Continued) **S103985664**

Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 0.06
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

A4 **NORTH HIGH SCHOOL** **HAZNET** **S103632907**
Target **1550 THIRD STREET** **EMI** **N/A**
Property **RIVERSIDE, CA 92507**

Site 4 of 5 in cluster A

Actual:
955 ft.

HAZNET:
Gepaid: CAL000113110
Contact: RIVERSIDE UNIFIED SCHOOL DIST
Telephone: 9097887470
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 2800
Mailing City,St,Zip: RIVERSIDE, CA 925162800
Gen County: Riverside
TSD EPA ID: AZD983476680
TSD County: 99
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Recycler
Tons: 1.0017
Facility County: Riverside

Gepaid: CAL000113110
Contact: RIVERSIDE UNIFIED SCHOOL DIST
Telephone: 9097887470
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: P O BOX 2800
Mailing City,St,Zip: RIVERSIDE, CA 925162800
Gen County: Riverside
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Liquids with polychlorinated biphenyls > 50 mg/l
Disposal Method: Not reported
Tons: 1.2122
Facility County: Riverside

EMI:
Year: 1990
County Code: 33
Air Basin: SC
Facility ID: 17935
Air District Name: SC
SIC Code: 8211
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 0

NORTH HIGH SCHOOL (Continued) **S103632907**

Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

A5 **CHMIRS** **S105643760**
Target Property **1550 3RD STREET NORTH HIGH SCHOOL** **N/A**
RIVERSIDE, CA

Site 5 of 5 in cluster A

Actual: 955 ft.

CHMIRS:

OES Incident Number:	016040
OES notification:	Not reported
OES Date:	10/18/1996
OES Time:	04:30:12 PM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	RIVERSIDE CO HEALTH
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported

(Continued) **S105643760**

Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	RIVERSIDE CITY FIRE DEPT
Incident Date:	0830 17OCT96
Admin Agency:	Not reported
Amount:	10 ML
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	MERCURY
Quantity Released:	Not reported
BBLS:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Description:	A VILE OF MERCURY FOUND BY A STUDENT, TAKEN TO A CLASSROOM SPILLED ON THE FLOOR, A STUDENT ACCIDENTALLY INGESTED SOME, SEEN BY A DOCTOR, NOT HOSPITALIZED.
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
Description:	Not reported

B6 **THIRD ST ARCO** **LUST** **S104970737**
1505 THIRD ST **HAZNET** **N/A**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 1 of 6 in cluster B

Relative: Higher

Actual: 956 ft.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	89198
Site Closed:	Yes
Date Closed:	11/10/2008
Case Type:	Soil only
Site Number:	RO6500122

HAZNET:

Gepaid:	CAL000135427
Contact:	KEN CHUNG
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1505 3RD ST
Mailing City,St,Zip:	RIVERSIDE, CA 925073407
Gen County:	Riverside
TSD EPA ID:	CAD008302903

THIRD ST ARCO (Continued) **S104970737**

TSD County: Los Angeles
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Tons: .1876
Facility County: Riverside

Gepaid: CAL000244189
Contact: JACK OMAN
Telephone: 7146705402
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 1.04
Facility County: Not reported

B7 **ARCO STATION #1841** **Notify 65** **S100179165**
1505 THIRD **N/A**
< 1/8 **RIVERSIDE, CA 90040**
1 ft.

Site 2 of 6 in cluster B

Relative: Notify 65:
Higher Date Reported: Not reported
Staff Initials: Not reported
Actual: Board File Number: Not reported
955 ft. Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 90040

B8 **PAUL J ADCOCK** **HIST UST** **U001576527**
1505 3RD ST **N/A**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 3 of 6 in cluster B

Relative: HIST UST:
Higher Region: STATE
Facility ID: 00000026640
Actual: Facility Type: Gas Station
956 ft. Other Type: Not reported
Total Tanks: 0006
Contact Name: Not reported
Telephone: 0000000000
Owner Name: ARCO PETROLEUM PRODUCTS CO.
Owner Address: 515 SOUTH FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90071

Tank Num: 001
Container Num: 0000000001
Year Installed: 1963

PAUL J ADCOCK (Continued) **U001576527**

Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002
Year Installed: 1963
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: 0000240 inches
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1963
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: 0000167 inches
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 0000000004
Year Installed: 1973
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

Tank Num: 005
Container Num: 0000000005
Year Installed: 1963
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Tank Construction: 0000093 inches
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 0000000006
Year Installed: 1984
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Stock Inventor, 10

B9 **ARCO #1841** **HIST CORTESE** **U001967220**
1505 THIRD ST **CA FID UST** **N/A**
< 1/8 **RIVERSIDE, CA 92507** **SWEEPS UST**
1 ft. **HAZNET**

Site 4 of 6 in cluster B

Relative: Higher

Actual: 956 ft.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083301200T

CA FID UST:
Facility ID: 33000245
Regulated By: UTNKA
Regulated ID: 00026640
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146833371
Mail To: Not reported
Mailing Address: 17315 STUDEBAKER RD
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 26640
Number: 1
Board Of Equalization: 44-000506
Ref Date: 10-19-92
Act Date: 10-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000091
Swrcb Tank Id: 33-000-026640-000007
Actv Date: 10-19-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: A
Comp Number: 26640
Number: 1
Board Of Equalization: 44-000506
Ref Date: 10-19-92
Act Date: 10-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000091

ARCO #1841 (Continued) **U001967220**

Swrcb Tank Id: 33-000-026640-000008
Actv Date: 10-19-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 26640
Number: 1
Board Of Equalization: 44-000506
Ref Date: 10-19-92
Act Date: 10-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000091
Swrcb Tank Id: 33-000-026640-000009
Actv Date: 10-19-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HAZNET:
Gepaid: CAL000244189
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Riverside
TSD EPA ID: CAT080013352
TSD County: Riverside
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 1.66
Facility County: Riverside

B10 **ARCO #1841** **LUST** **U003802062**
1505 3RD ST **UST** **N/A**
< 1/8 **RIVERSIDE, CA 92507** **HAZNET**
1 ft.

Site 5 of 6 in cluster B

Relative: Higher

Actual: 956 ft.

LUST:
Region: STATE
Global Id: T0606500122
Latitude: 33.983339392
Longitude: -117.344137
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2008-11-10 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: YR

ARCO #1841 (Continued) **U003802062**

Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083301200T
LOC Case Number: 89198
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Remediation Plan
Case Number: 083301200T
Local Case Num: 89198
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Vapor Extraction
Cross Street: CHICAGO
Enf Type: None Taken
Funding: Federal Funds
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Spill
Leak Source: Tank
Global ID: T0606500122
How Stopped Date: 12/7/1988
Enter Date: 9/4/1989
Review Date: 12/8/1988
Prelim Assess: 7/21/1989
Discover Date: 12/7/1988
Enforcement Date: 1/1/1965
Close Date: Not reported
Workplan: 12/8/1988
Pollution Char: 2/22/1991
Remed Plan: 8/5/1991
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 9/4/1989
GW Qualifies: Not reported
Soil Qualifies: =
Operator: Not reported
Facility Contact: Not reported
Interim: Yes
Oversite Program: LUST
Latitude: 33.9793165
Longitude: -117.339662
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: .017
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: VJJ
Staff Initials: SCB

ARCO #1841 (Continued) **U003802062**

Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

UST:
Global ID: 9602
Latitude: 33.983080000000001
Longitude: -117.34542

HAZNET:
Gepaid: CAC002572713
Contact: MICHAEL YARBROUGH
Telephone: 9093834581
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 464 W 4TH ST 6TH FL
Mailing City,St,Zip: SAN BERNARDINO, CA 92401
Gen County: Riverside
TSD EPA ID: CAD982484933
TSD County: San Bernardino
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Disposal, Other
Tons: 1.25
Facility County: Not reported

Gepaid: CAC002572713
Contact: MICHAEL YARBROUGH
Telephone: 9093834581
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 464 W 4TH ST 6TH FL
Mailing City,St,Zip: SAN BERNARDINO, CA 92401
Gen County: Riverside
TSD EPA ID: CAL000124158
TSD County: Riverside
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Tons: 2.08
Facility County: Riverside

B11 **ELECTROCOAT** **RCRA-SQG 1000181766**
1525 3RD ST STE G **FINDS CAD982488736**
< 1/8 **RIVERSIDE, CA 92507**
1 ft.

Site 6 of 6 in cluster B

Relative: RCRA-SQG:
Higher Date form received by agency: 09/01/1996
Facility name: ELECTROCOAT
Actual: Facility address: 1525 3RD ST STE G
956 ft. RIVERSIDE, CA 92507
EPA ID: CAD982488736

ELECTROCOAT (Continued) **1000181766**

Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CRAIG CODDING
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:
Date form received by agency: 04/17/1990
Facility name: ELECTROCOAT

Map ID
Direction
Distance
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ELECTROCOAT (Continued) **1000181766**

Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002828806

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C12 **RIVERSIDE COUNTY LINDEN CLINIC** **RCRA-SQG** **1000818725**
South **1520 LINDEN ST** **FINDS** **CAD983646340**
< 1/8 **RIVERSIDE, CA 92507** **HAZNET**
0.001 mi.
7 ft.

Site 1 of 4 in cluster C

Relative: Higher

Actual: 974 ft.

RCRA-SQG:
Date form received by agency: 08/10/1992
Facility name: RIVERSIDE COUNTY LINDEN CLINIC
Facility address: 1520 LINDEN ST
RIVERSIDE, CA 92507
EPA ID: CAD983646340
Mailing address: MAGNOLIA AVE
RIVERSIDE, CA 92503
Contact: JOHN CAIRNEY
Contact address: 9851 MAGNOLIA AVE
RIVERSIDE, CA 92503
Contact country: US
Contact telephone: (714) 358-7576
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: COUNTY OF RIVERSIDE
Owner/operator address: 9851 MAGNOLIA AVE
RIVERSIDE, CA 92503
Owner/operator country: Not reported
Owner/operator telephone: (714) 358-7576
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

RIVERSIDE COUNTY LINDEN CLINIC (Continued) **1000818725**

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002883309

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD983646340
Contact: COUNTY OF RIVERSIDE
Telephone: 7143587576
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1520 W LINDEN ST
Mailing City,St,Zip: RIVERSIDE, CA 925076808
Gen County: Riverside
TSD EPA ID: CAD982524613
TSD County: Orange
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0083
Facility County: Riverside

C13 **FMC TECHNOLOGIES INC** **RCRA-SQG 1000109329**
South **1540 LINDEN STREET** **FINDS CAD982469819**
< 1/8 **RIVERSIDE, CA 92507** **HAZNET**
0.002 mi.
10 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
971 ft.

RCRA-SQG:
Date form received by agency: 06/19/2001
Facility name: F M C TECHNOLOGIES INC
Facility address: 1540 LINDEN ST
RIVERSIDE, CA 92507
EPA ID: CAD982469819
Mailing address: PO BOX 5710
RIVERSIDE, CA 92517
Contact: CHRISTINA CAMPOS
Contact address: PO BOX 5710
RIVERSIDE, CA 92517
Contact country: US
Contact telephone: (909) 222-2300
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: RICHARD L HOUTZER
Owner/operator address: PO BOX 5710
RIVERSIDE, CA 92517
Owner/operator country: Not reported
Owner/operator telephone: (909) 222-2300
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

FMC TECHNOLOGIES INC (Continued) **1000109329**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: U080
Waste name: METHANE, DICHLORO-

Violation Status: No violations found

FINDS:

Registry ID: 110002819335

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

FMC TECHNOLOGIES INC (Continued) **1000109329**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD982469819
Contact: FMC CORPORATION
Telephone: 3128616000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5710
Mailing City,St,Zip: RIVERSIDE, CA 925175710
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .2251
Facility County: Riverside

Gepaid: CAD982469819
Contact: FMC CORPORATION
Telephone: 3128616000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5710
Mailing City,St,Zip: RIVERSIDE, CA 925175710
Gen County: Riverside
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: .0265
Facility County: Riverside

Gepaid: CAD982469819
Contact: AMY BITTNER/RGLTRY ENVIR SUPVR
Telephone: 9092222332
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5710
Mailing City,St,Zip: RIVERSIDE, CA 925175710
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Riverside
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: 0.62
Facility County: Riverside

Gepaid: CAD982469819
Contact: AMY BITTNER/RGLTRY ENVIR SUPVR
Telephone: 9092222332
Facility Addr2: Not reported
Mailing Name: Not reported

FMC TECHNOLOGIES INC (Continued) **1000109329**

Mailing Address: PO BOX 5710
Mailing City,St,Zip: RIVERSIDE, CA 925175710
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Riverside
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 0.06
Facility County: Riverside

Gepaid: CAD982469819
Contact: AMY BITTNER/RGLTRY ENVIR SUPVR
Telephone: 9092222332
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5710
Mailing City,St,Zip: RIVERSIDE, CA 925175710
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Riverside
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Tons: 0.01
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
19 additional CA_HAZNET: record(s) in the EDR Site Report.

C14 **SHERWIN WILLIAMS COMPANY NO 4364** **RCRA-LQG 1001115560**
South **1560 W LINDEN ST** **FINDS CAR000014969**
< 1/8 **RIVERSIDE, CA 92507**
0.002 mi.
12 ft. **Site 3 of 4 in cluster C**

Relative:
Higher

Actual:
969 ft.

RCRA-LQG:
Date form received by agency: 10/11/2007
Facility name: SHERWIN WILLIAMS COMPANY NO 4364
Facility address: 1560 W LINDEN ST
RIVERSIDE, CA 92507
EPA ID: CAR000014969
Contact: EDDIE MORENO
Contact address: 1560 W LINDEN ST
RIVERSIDE, CA 92507
Contact country: US
Contact telephone: 951-784-8442
Contact email: SW4364@SHERWIN.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

SHERWIN WILLIAMS COMPANY NO 4364 (Continued) **1001115560**

hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: PROWESTERN DEVELOPMENT COMPANY
Owner/operator address: PO BOX 222038
CARMEL, CA 93922
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/01/2003
Owner/Op end date: Not reported

Owner/operator name: SHERWIN WILLIAMS COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/30/1995
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:
Date form received by agency: 12/27/2006
Facility name: SHERWIN WILLIAMS COMPANY NO 4364
Classification: Small Quantity Generator

Date form received by agency: 10/12/2000
Facility name: SHERWIN WILLIAMS COMPANY NO 4364
Site name: SHERWIN-WILLIAMS
Classification: Large Quantity Generator

Date form received by agency: 01/25/2000
Facility name: SHERWIN WILLIAMS COMPANY NO 4364
Site name: SHERWIN WILLIAMS STORE 4364
Classification: Small Quantity Generator

SHERWIN WILLIAMS COMPANY NO 4364 (Continued) **1001115560**

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110002913937

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

15 West < 1/8 0.004 mi. 19 ft.

Relative: Lower

Actual: 947 ft.

MASTER PRINTING **RCRA-SQG** **1000401497**
3369 CHICAGO AVE **FINDS** **CAD982476368**
RIVERSIDE, CA 92507 **HAZNET**

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: MASTER PRINTING
Facility address: 3369 CHICAGO AVE
RIVERSIDE, CA 92507
EPA ID: CAD982476368
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MANMOHAN G SHAH
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No

MASTER PRINTING (Continued) **1000401497**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:
Date form received by agency: 07/06/1988
Facility name: MASTER PRINTING
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006479275

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD982476368
Contact: MIKE SHAH OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3369 CHICAGO AVE
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Orange
TSD EPA ID: CAD108040858
TSD County: Los Angeles
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0708
Facility County: Orange

Gepaid: CAD982476368
Contact: MIKE SHAH OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3369 CHICAGO AVE
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Orange
TSD EPA ID: CAD108040858
TSD County: Los Angeles
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .1042
Facility County: Orange

MASTER PRINTING (Continued) **1000401497**

Gepaid: CAD982476368
Contact: MIKE SHAH OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3369 CHICAGO AVE
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Orange
TSD EPA ID: CAD103040858
TSD County: 0
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Tons: .0834
Facility County: Orange

Gepaid: CAD982476368
Contact: MIKE SHAH OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3369 CHICAGO AVE
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Orange
TSD EPA ID: CAD108040858
TSD County: Los Angeles
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0834
Facility County: Orange

Gepaid: CAD982476368
Contact: MIKE SHAH OWNER
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3369 CHICAGO AVE
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Orange
TSD EPA ID: CAD108040858
TSD County: Los Angeles
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .1542
Facility County: Orange

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

C16 **RIVERSIDE CITY FIRE STAT #4** **CA FID UST S101590051**
SSE **3510 CRANFORD AVE** **SWEEPS UST N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.017 mi.
90 ft. **Site 4 of 4 in cluster C**

Relative:
Higher

Actual:
978 ft.

CA FID UST:
Facility ID: 33002921
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147825291
Mail To: Not reported
Mailing Address: 3900 MAIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 40902
Number: 4
Board Of Equalization: 44-017930
Ref Date: 11-18-92
Act Date: 11-18-92
Created Date: 04-18-89
Tank Status: A
Owner Tank Id: 000870
Swrcb Tank Id: 33-000-040902-000001
Actv Date: 11-18-92
Capacity: 500
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 1

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17 **EMERALD MOLD** **RCRA-SQG 1000857710**
East **1473 LINDEN ST UNIT J** **FINDS CAD983671553**
< 1/8 **RIVERSIDE, CA 92507**
0.030 mi.
158 ft.

Relative:
Higher

Actual:
978 ft.

RCRA-SQG:
Date form received by agency: 07/12/1993
Facility name: EMERALD MOLD
Facility address: 1473 LINDEN ST UNIT J
RIVERSIDE, CA 92507
EPA ID: CAD983671553
Mailing address: LINDEN ST UNIT J
RIVERSIDE, CA 92507
Contact: DOUGLAS SURBER
Contact address: 1473 LINDEN ST UNIT J

EMERALD MOLD (Continued) **1000857710**

RIVERSIDE, CA 92507
Contact country: US
Contact telephone: (909) 275-9411
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: DOUGLAS SURBER
Owner/operator address: 1473 LINDEN ST UNIT J
RIVERSIDE, CA 92507
Owner/operator country: Not reported
Owner/operator telephone: (909) 275-9411
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002901637

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

D18 **CALIFORNIA SPRAY CHEMICAL COMPANY** **ENVIROSTOR** **S107735999**
South **3530 CHICAGO AV** **N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.032 mi.
169 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
952 ft.

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.37
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Greg Holmes
Division Branch:	Cypress
Facility ID:	60000214
Site Code:	Not reported
Assembly:	64
Senate:	31
Special Program:	EPA - PASI
Status:	Inactive - Needs Evaluation
Status Date:	3/6/2006 0:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.97835042
Longitude:	-117.3480554
APN:	250160008
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING
Potential COC:	30001, 30016
Confirmed COC:	30001-NO,30016-NO
Potential Description:	SOIL
Alias Name:	CAN000908316
Alias Type:	EPA Identification Number
Alias Name:	60000214
Alias Type:	Envirostor ID Number
Alias Name:	250160008
Alias Type:	APN

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	2006-06-13 00:00:00
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

E19 **EDWARD S. BABCOCK & SONS, INC.** **HIST UST** **U001576500**
North **3215 CHICAGO AVE** **N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.058 mi.
304 ft. **Site 1 of 2 in cluster E**

Relative:
Lower

Actual:
940 ft.

HIST UST:

Region:	STATE
Facility ID:	00000032455
Facility Type:	Other
Other Type:	ANALYTICAL LABORATOR
Total Tanks:	0001
Contact Name:	SHERMAN G. BABCOCK
Telephone:	7146841881
Owner Name:	SHERMAN AND DONNA BABCOCK
Owner Address:	3215 CHICAGO AVENUE
Owner City,St,Zip:	RIVERSIDE, CA 92507
Tank Num:	001
Container Num:	1
Year Installed:	1964
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	None

E20 **MB PRINT AND SILKSCREENING CO INC** **RCRA-SQG** **1001022997**
North **3215 CHICAGO AVE STE A** **FINDS** **CAR000003483**
< 1/8 **RIVERSIDE, CA 92507**
0.058 mi.
304 ft. **Site 2 of 2 in cluster E**

Relative:
Lower

Actual:
940 ft.

RCRA-SQG:

Date form received by agency:	06/12/1995
Facility name:	MB PRINT AND SILKSCREENING CO INC
Facility address:	3215 CHICAGO AVE STE A RIVERSIDE, CA 92507
EPA ID:	CAR000003483
Mailing address:	CHICAGO AVE STE A RIVERSIDE, CA 92507
Contact:	BARRY MERRILL
Contact address:	3215 CHICAGO AVE STE A RIVERSIDE, CA 92507
Contact country:	US
Contact telephone:	(909) 787-8191
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MICHELLE BLAKNEY
Owner/operator address:	16431 SINGLETREE LN RIVERSIDE, CA 92506

MB PRINT AND SILKSCREENING CO INC (Continued) **1001022997**

Owner/operator country: Not reported
Owner/operator telephone: (909) 780-7407
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002906507

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

F21 **MERIT OIL CO** **LUST S104228087**
West **1751 THIRD ST** **N/A**
< 1/8 **RIVERSIDE, CA**
0.063 mi.
332 ft. **Site 1 of 9 in cluster F**

Relative:
Lower

Actual:
938 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 9914948
Site Closed: Yes
Date Closed: 4/10/2000
Case Type: Soil only
Site Number: RO6600398

F22 **AMENDT OIL COMPANY** **HIST CORTESE S101631126**
West **1751 THIRD ST** **CA FID UST N/A**
< 1/8 **RIVERSIDE, CA 92507** **SWEEPS UST**
0.063 mi.
332 ft. **Site 2 of 9 in cluster F**

Relative:
Lower

Actual:
938 ft.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303384T

CA FID UST:
Facility ID: 33001860
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7148853411
Mail To: Not reported
Mailing Address: 1405 W RIALTO AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 26641
Number: 1
Board Of Equalization: 44-018110
Ref Date: 10-19-92
Act Date: 10-19-92
Created Date: 07-06-89
Tank Status: A
Owner Tank Id: 001583
Swrcb Tank Id: 33-000-026641-000001
Actv Date: 10-19-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: A
Comp Number: 26641
Number: 1
Board Of Equalization: 44-018110
Ref Date: 10-19-92
Act Date: 10-19-92
Created Date: 07-06-89
Tank Status: A
Owner Tank Id: ST-3

AMENDT OIL COMPANY (Continued) **S101631126**

Swrcb Tank Id: 33-000-026641-000002
Actv Date: 10-19-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 26641
Number: 1
Board Of Equalization: 44-018110
Ref Date: 10-19-92
Act Date: 10-19-92
Created Date: 07-06-89
Tank Status: A
Owner Tank Id: ST-3
Swrcb Tank Id: 33-000-026641-000003
Actv Date: 10-19-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

F23 **MERIT OIL COMPANY** **LUST U003659473**
West **1751 3RD ST** **UST N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.063 mi.
332 ft. **Site 3 of 9 in cluster F**

Relative:
Lower

Actual:
938 ft.

LUST:
Region: STATE
Global Id: T0606500574
Latitude: 33.983395
Longitude: -117.349683
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2000-04-10 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303384T
LOC Case Number: 9914948
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083303384T
Local Case Num: 9914948
Case Type: Soil only

MERIT OIL COMPANY (Continued) **U003659473**

Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: CHICAGO
Enf Type: CLOS
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606500574
How Stopped Date: 2/23/1999
Enter Date: 3/22/1999
Review Date: 2/23/1999
Prelim Assess: Not reported
Discover Date: 2/23/1999
Enforcement Date: Not reported
Close Date: 4/10/2000
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 3/22/1999
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9793165
Longitude: -117.339662
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: TME
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: CASE CLOSED ON 4/10/00

UST:
Global ID: 11019
Latitude: 33.983080000000001
Longitude: -117.34953

RIVERSIDE CO. UST:

MERIT OIL COMPANY (Continued) **U003659473**

Region: RIVERSIDE
Total Tanks: 4

D24 **CHICAGO BODY WORKS** **EDR Historical Auto Stations** **1009023460**
South **3580 CHICAGO AVE** **N/A**
< 1/8 **RIVERSIDE, CA**
0.073 mi.
388 ft. **Site 2 of 2 in cluster D**

Relative:
Lower

Actual:
952 ft.

EDR Historical Auto Stations:
Name: CHICAGO BODY WORKS
Year: 1951
Type: AUTOMOBILE REPAIRING

Name: GRIFFIN R C
Year: 1951
Type: AUTOMOBILE REPAIRING

G25 **MITCHELL GLASS** **CA FID UST** **U001967828**
South **3595 PRESLEY AVE** **SWEEPS UST** **N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.080 mi.
424 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
961 ft.

CA FID UST:
Facility ID: 33007024
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146863540
Mail To: Not reported
Mailing Address: 3595 PRESLEY AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 39222
Number: 1
Board Of Equalization: 44-018234
Ref Date: 05-08-90
Act Date: 05-08-90
Created Date: 03-17-89
Tank Status: A
Owner Tank Id: 3595
Swrcb Tank Id: 33-000-039222-000001
Actv Date: 05-08-90
Capacity: 5000

MITCHELL GLASS (Continued) **U001967828**

Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 1

F26 **BAXTER HEALTHCARE CORP** **RCRA-SQG** **1000401493**
West **3333 DURHART ST** **FINDS** **CAD982325227**
< 1/8 **RIVERSIDE, CA 92507**
0.081 mi.
428 ft. **Site 4 of 9 in cluster F**

Relative:
Lower

Actual:
940 ft.

RCRA-SQG:
Date form received by agency: 01/25/1988
Facility name: BAXTER HEALTHCARE CORP
Facility address: 3333 DURHART ST
RIVERSIDE, CA 92507
EPA ID: CAD982325227
Mailing address: DURHART ST
RIVERSIDE, CA 92507
Contact: ENVIRONMENTAL MANAGER
Contact address: 3333 DURHART ST
RIVERSIDE, CA 92507
Contact country: US
Contact telephone: (714) 686-8900
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BAXTER HEALTH CARE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown

BAXTER HEALTHCARE CORP (Continued) **1000401493**

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002794968

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H27 **ENVIRONMENTAL METALS CORP** **RCRA-SQG 1000261667**
South **1521 7TH ST** **FINDS CAD980892160**
< 1/8 **RIVERSIDE, CA 92507**
0.083 mi.
437 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
977 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: ENVIRONMENTAL METALS CORP
Facility address: 1521 7TH ST
RIVERSIDE, CA 92507
EPA ID: CAD980892160
Mailing address: SEVENTH ST
RIVERSIDE, CA 92507
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

ENVIRONMENTAL METALS CORP (Continued) **1000261667**

Owner/Operator Summary:
Owner/operator name: BROWN DEVELOPMENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002676220

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H28 **THERMOCLAD COMPANY** **ENVIROSTOR** **S109422434**
South **1541 7TH ST** **N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.083 mi.
440 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
973 ft.

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Greg Holmes
Division Branch:	Cypress
Facility ID:	60000209
Site Code:	Not reported
Assembly:	64
Senate:	31
Special Program:	EPA - PASI
Status:	Inactive - Needs Evaluation
Status Date:	3/6/2006 0:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.97850025
Longitude:	-117.3455527
APN:	250-161-009
Past Use:	MANUFACTURING - CHEMICALS
Potential COC:	30028
Confirmed COC:	30028-NO
Potential Description:	NONE SPECIFIED
Alias Name:	14835
Alias Type:	RB-PCA
Alias Name:	CAD981978539
Alias Type:	EPA Identification Number
Alias Name:	250-161-009
Alias Type:	APN
Alias Name:	60000209
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	2006-04-12 00:00:00
Comments:	EPA determined the site is not eligible for CERCLA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

H29 **THERMOCLAD CO THE** **RCRA-SQG** **1000365008**
South **1541 7TH ST** **FINDS** **CAD981978539**
< 1/8 **RIVERSIDE, CA 92507**
0.083 mi.
440 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
973 ft.

RCRA-SQG:

Date form received by agency:	04/17/1987
Facility name:	THERMOCLAD CO THE
Facility address:	1541 7TH ST RIVERSIDE, CA 92507
EPA ID:	CAD981978539
Mailing address:	7TH ST RIVERSIDE, CA 92507
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1541 7TH ST RIVERSIDE, CA 92507
Contact country:	US
Contact telephone:	(714) 788-2628
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	THERMOCLAD THE
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

THERMOCLAD CO THE (Continued) **1000365008**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002762626

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G30 **WEST COAST PAINTING** **RCRA-LQG** **1012175661**
South **1611 7TH ST** **CAL000221929**
< 1/8 **RIVERSIDE, CA 92507**
0.085 mi.
448 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
962 ft.

RCRA-LQG:
Date form received by agency: 06/27/2008
Facility name: WEST COAST PAINTING
Facility address: 1611 7TH ST
RIVERSIDE, CA 92507
EPA ID: CAL000221929
Contact: BOB GONZALEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (951) 778-8913
Telephone ext.: 315
Contact email: BOBG@WESTCOASTPAINTING.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

WEST COAST PAINTING (Continued) **1012175661**

Owner/Operator Summary:
Owner/operator name: MARK HERBERT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/11/1986
Owner/Op end date: Not reported

Owner/operator name: MARK HERBERT
Owner/operator address: 1611 7TH ST
RIVERSIDE, CA 92507
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/11/1986
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Lamps
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Pesticides
Accumulated waste on-site: No
Generated waste on-site: Not reported

Waste type: Thermostats
Accumulated waste on-site: No
Generated waste on-site: Not reported

WEST COAST PAINTING (Continued) **1012175661**

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 60738.8

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 60738.8

Violation Status: No violations found

31
West
< 1/8
0.088 mi.
463 ft.

Relative:
Lower

Actual:
940 ft.

TRM COPY CENTER **RCRA-SQG 1000819894**
3390 DURAHART ST **FINDS CAD983659079**
RIVERSIDE, CA 92507 **HAZNET**

RCRA-SQG:
Date form received by agency: 09/11/1995
Facility name: TRM COPY CENTER
Facility address: 3390 DURAHART ST
RIVERSIDE, CA 92507
EPA ID: CAD983659079

TRM COPY CENTER (Continued) **1000819894**

Mailing address: 5208 N E FIRST HUNDRED TWENTY
PORTLAND, OR 972301074
Contact: TIM MADDOX
Contact address: 3390 DURAHART ST
RIVERSIDE, CA 92507
Contact country: US
Contact telephone: (909) 683-0290
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: INDUSTRIAL PROPERTY MGMT
Owner/operator address: 3390 DURAHART ST
RIVERSIDE, CA 92507
Owner/operator country: Not reported
Owner/operator telephone: (714) 391-1495
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002892415

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

TRM COPY CENTER (Continued) **1000819894**

corrective action activities required under RCRA.

HAZNET:

Gepaid:	CAD983659079
Contact:	TRM CORPORATION
Telephone:	8008778762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	5208 NE 122ND AVENUE
Mailing City,St,Zip:	PORTLAND, OR 972304900
Gen County:	Orange
TSD EPA ID:	CAT000613927
TSD County:	San Bernardino
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Not reported
Tons:	.2709
Facility County:	Orange

Gepaid:	CAD983659079
Contact:	TRM CORPORATION
Telephone:	8008778762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	5208 NE 122ND AVENUE
Mailing City,St,Zip:	PORTLAND, OR 972304900
Gen County:	Orange
TSD EPA ID:	CAT000613927
TSD County:	San Bernardino
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Tons:	.7087
Facility County:	Orange

Gepaid:	CAD983659079
Contact:	TRM CORPORATION
Telephone:	8008778762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	5208 NE 122ND AVENUE
Mailing City,St,Zip:	PORTLAND, OR 972304900
Gen County:	Orange
TSD EPA ID:	CAT000613927
TSD County:	San Bernardino
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Tons:	1.3049
Facility County:	Orange

Gepaid:	CAD983659079
Contact:	TRM CORPORATION
Telephone:	8008778762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	5208 NE 122ND AVENUE
Mailing City,St,Zip:	PORTLAND, OR 972304900
Gen County:	Orange

TRM COPY CENTER (Continued) **1000819894**

TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method:	Recycler
Tons:	1.3674
Facility County:	Orange

Gepaid:	CAD983659079
Contact:	TRM CORPORATION
Telephone:	8008778762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	5208 NE 122ND AVENUE
Mailing City,St,Zip:	PORTLAND, OR 972304900
Gen County:	Orange
TSD EPA ID:	CAT000613927
TSD County:	San Bernardino
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Not reported
Tons:	.2668
Facility County:	Orange

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

32
West
< 1/8
0.092 mi.
484 ft.

Relative:
Lower

Actual:
942 ft.

BREAKER TECH LTD **RCRA-SQG** **1001023169**
3464 DURAHART ST **FINDS** **CAR000005272**
RIVERSIDE, CA 92507 **HAZNET**

RCRA-SQG:

Date form received by agency:	05/10/2000
Facility name:	BREAKER TECH LTD
Facility address:	3464 DURAHART ST RIVERSIDE, CA 92507
EPA ID:	CAR000005272
Contact:	DANIEL CROW
Contact address:	3464 DURAHART ST RIVERSIDE, CA 92507
Contact country:	US
Contact telephone:	(909) 369-0878
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	BREAKER TECH LTD
Owner/operator address:	3464 DURAHART ST RIVERSIDE, CA 92507
Owner/operator country:	Not reported
Owner/operator telephone:	(909) 369-0878

BREAKER TECH LTD (Continued) **1001023169**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110002907711

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

BREAKER TECH LTD (Continued) **1001023169**

HAZNET:
Gepaid: CAR000005272
Contact: BRAD FORREST
Telephone: 5195992015
Facility Addr2: Not reported
Mailing Name: ENV MGR
Mailing Address: 3453 DURAHART ST
Mailing City,St,Zip: RIVERSIDE, CA 925070000
Gen County: Riverside
TSD EPA ID: TXD077603371
TSD County: 99
Waste Category: Unspecified oil-containing waste
Disposal Method: H061
Tons: 0.225
Facility County: Riverside

Gepaid: CAR000005272
Contact: BRAD FORREST
Telephone: 5195992015
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3464 DURAHART ST
Mailing City,St,Zip: RIVERSIDE, CA 925073451
Gen County: Riverside
TSD EPA ID: CAT000613927
TSD County: San Bernardino
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 1.05
Facility County: Riverside

Gepaid: CAR000005272
Contact: TELEDYNE SPECIALTIES EQUIP
Telephone: 9093690878
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3464 DURAHART ST
Mailing City,St,Zip: RIVERSIDE, CA 925073451
Gen County: Riverside
TSD EPA ID: CAD000088252
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: .2293
Facility County: Riverside

Gepaid: CAR000005272
Contact: TELEDYNE SPECIALTIES EQUIP
Telephone: 9093690878
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3464 DURAHART ST
Mailing City,St,Zip: RIVERSIDE, CA 925073451
Gen County: Riverside
TSD EPA ID: CAT000613927
TSD County: San Bernardino
Waste Category: Aqueous solution with less than 10% total organic residues

BREAKER TECH LTD (Continued) **1001023169**

Disposal Method: Transfer Station
Tons: 2.2518
Facility County: Riverside

Gepaid: CAR000005272
Contact: BRAD FORREST
Telephone: 5195992015
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3464 DURAHART ST
Mailing City,St,Zip: RIVERSIDE, CA 925073451
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: San Bernardino
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 4.57
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

F33 **CONTINENTAL BAKING COMPANY** **LUST S102428307**
West **1781 3RD ST** **N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.113 mi.
595 ft. **Site 5 of 9 in cluster F**

Relative: LUST:
Lower
Region: STATE
Global Id: T0606500127
Actual: Latitude: 33.9793165
935 ft. Longitude: -117.339662
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1989-07-17 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083301225T
LOC Case Number: 89303
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Remedial action (cleanup) Underway
Case Number: 083301225T
Local Case Num: 89303
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported

CONTINENTAL BAKING COMPANY (Continued) **S102428307**

Cross Street: CHICAGO
Enf Type: None Taken
Funding: State Funds
How Discovered: OM
How Stopped: Not reported
Leak Cause: Other Cause
Leak Source: Tank
Global ID: T0606500127
How Stopped Date: 11/2/1988
Enter Date: 9/4/1989
Review Date: Not reported
Prelim Assess: 7/21/1989
Discover Date: 11/2/1988
Enforcement Date: 1/1/1965
Close Date: 7/17/1989
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: 9/12/1989
Monitoring: Not reported
Enter Date: 9/4/1989
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Yes
Oversite Program: LUST
Latitude: 33.9793165
Longitude: -117.339662
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: NOM
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

F34 **CONTINENTAL BAKING CO** **HIST CORTESE U001967470**
West **1781 THIRD ST** **LUST N/A**
< 1/8 **RIVERSIDE, CA 92507** **CA FID UST**
0.113 mi. **SWEEPS UST**
595 ft. **Site 6 of 9 in cluster F**

Relative: CORTESE:
Lower
Region: CORTESE
Facility County Code: 33
Actual: Reg By: LTNKA
935 ft. Reg Id: 083303039T

CONTINENTAL BAKING CO (Continued) **U001967470**

RIVERSIDE CO. LUST:
- Region: RIVERSIDE
- Facility ID: 89303
- Site Closed: Yes
- Date Closed: 7/17/1989
- Case Type: Soil only
- Site Number: RO6599769

CA FID UST:
- Facility ID: 33000716
- Regulated By: UTNKA
- Regulated ID: Not reported
- Cortese Code: Not reported
- SIC Code: Not reported
- Facility Phone: 7146839618
- Mail To: Not reported
- Mailing Address: 6007 ST ANDREW'S PL
- Mailing Address 2: Not reported
- Mailing City,St,Zip: RIVERSIDE 92507
- Contact: Not reported
- Contact Phone: Not reported
- DUNs Number: Not reported
- NPDES Number: Not reported
- EPA ID: Not reported
- Comments: Not reported
- Status: Active

SWEEPS UST:
- Status: A
- Comp Number: 11458
- Number: 1
- Board Of Equalization: Not reported
- Ref Date: 10-28-92
- Act Date: 10-28-92
- Created Date: 08-01-89
- Tank Status: A
- Owner Tank Id: 000355
- Swrcb Tank Id: 33-000-011458-000001
- Actv Date: 10-28-92
- Capacity: 12000
- Tank Use: M.V. FUEL
- Stg: P
- Content: DIESEL
- Number Of Tanks: 1

F35 **HOSTESS/INTERSTATE BRANDS CORP** **LUST S100179018**
West **1781 3RD ST** **Notify 65 N/A**
< 1/8 **RIVERSIDE, CA 92507**
0.113 mi.
595 ft. **Site 7 of 9 in cluster F**

Relative:
Lower

Actual:
935 ft.

LUST:
- Region: STATE
- Global Id: T0606500501
- Latitude: 33.983237
- Longitude: -117.350577

HOSTESS/INTERSTATE BRANDS CORP (Continued) **S100179018**

- Case Type: LUST Cleanup Site
- Status: Completed - Case Closed
- Status Date: 1997-10-23 00:00:00
- Lead Agency: RIVERSIDE COUNTY LOP
- Case Worker: SCB
- Local Agency: RIVERSIDE COUNTY LOP
- RB Case Number: 083303039T
- LOC Case Number: 970767
- File Location: Local Agency Warehouse
- Potential Media Affect: Soil
- Potential Contaminants of Concern: Diesel
- Site History: Not reported

LUST REG 8:
- Region: 8
- County: Riverside
- Regional Board: Santa Ana Region
- Facility Status: Case Closed
- Case Number: 083303039T
- Local Case Num: 970767
- Case Type: Soil only
- Substance: Diesel
- Qty Leaked: Not reported
- Abate Method: Not reported
- Cross Street: Not reported
- Enf Type: CLOS
- Funding: Not reported
- How Discovered: Not reported
- How Stopped: Not reported
- Leak Cause: Not reported
- Leak Source: Not reported
- Global ID: T0606500501
- How Stopped Date: Not reported
- Enter Date: 8/29/1997
- Review Date: 7/22/1997
- Prelim Assess: Not reported
- Discover Date: 7/22/1997
- Enforcement Date: Not reported
- Close Date: 10/23/1997
- Workplan: 8/6/1997
- Pollution Char: Not reported
- Remed Plan: Not reported
- Remed Action: Not reported
- Monitoring: Not reported
- Enter Date: 8/29/1997
- GW Qualifies: Not reported
- Soil Qualifies: Not reported
- Operator: Not reported
- Facility Contact: Not reported
- Interim: Not reported
- Oversite Program: LUST
- Latitude: 33.983237
- Longitude: -117.350577
- MTBE Date: Not reported
- Max MTBE GW: Not reported
- MTBE Concentration: 2
- Max MTBE Soil: Not reported

HOSTESS/INTERSTATE BRANDS CORP (Continued) **S100179018**

MTBE Fuel: 0
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: NOM
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 90040

F36 **INTERSTATE BRAND** **RCRA-SQG 1004676166**
West **1781 3RD ST** **FINDS CAR000081745**
< 1/8 **RIVERSIDE, CA 92507** **HAZNET**
0.113 mi.
595 ft. **Site 8 of 9 in cluster F**

Relative:
Lower

Actual:
935 ft.

RCRA-SQG:
Date form received by agency: 09/01/2000
Facility name: INTERSTATE BRAND
Facility address: 1781 3RD ST
RIVERSIDE, CA 92507
EPA ID: CAR000081745
Contact: TONY KOSALKA
Contact address: 1781 3RD ST
RIVERSIDE, CA 92507
Contact country: US
Contact telephone: (909) 683-9618
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: INTERSTATE BRAND
Owner/operator address: 1781 3RD ST
RIVERSIDE, CA 92507
Owner/operator country: Not reported
Owner/operator telephone: (909) 683-9618
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

INTERSTATE BRAND (Continued) **1004676166**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Hazardous Waste Summary:
Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012184475

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAR000081745
Contact: D GRAVES WEST DIV ENVIRON
Telephone: 3108335251
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1701 NORTH GAFFEY STREET
Mailing City,St,Zip: SAN PEDRO, CA 907311274
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution

INTERSTATE BRAND (Continued) **1004676166**

Disposal Method: Recycler
Tons: 0.62
Facility County: Not reported

Gepaid: CAR000081745
Contact: D GRAVES WEST DIV ENVIRON
Telephone: 3108335251
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1701 NORTH GAFFEY STREET
Mailing City,St,Zip: SAN PEDRO, CA 907311274
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 3.96
Facility County: Not reported

F37 **INTERSTATE BRANDS CORP (HOSTESS)** **LUST** **S103821077**
West **1781 THIRD ST** **N/A**
< 1/8 **RIVERSIDE, CA**
0.113 mi.
595 ft. **Site 9 of 9 in cluster F**

Relative:
Lower

Actual:
935 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 970767
Site Closed: Yes
Date Closed: 10/23/1997
Case Type: Soil only
Site Number: RO6600305

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38 **JOYTECH INTERNATIONAL INC** **RCRA-SQG** **1000819223**
East **3421 GATO CT** **FINDS** **CAD983651951**
< 1/8 **RIVERSIDE, CA 92507** **HAZNET**
0.114 mi.
602 ft.

Relative:
Higher

Actual:
970 ft.

RCRA-SQG:
Date form received by agency: 11/05/1992
Facility name: JOYTECH INTERNATIONAL INC
Facility address: 3421 GATO CT
RIVERSIDE, CA 92507
EPA ID: CAD983651951
Mailing address: GATO CT
RIVERSIDE, CA 92507
Contact: BRIAN D JONES
Contact address: 3421 GATO CT
RIVERSIDE, CA 92507
Contact country: US
Contact telephone: (714) 369-5889
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous

JOYTECH INTERNATIONAL INC (Continued) **1000819223**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JOYTECH INTERNATIONAL INC
Owner/operator address: 3421 GATO CT
RIVERSIDE, CA 92507
Owner/operator country: Not reported
Owner/operator telephone: (714) 369-5889
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Violation Status: No violations found

FINDS:

Registry ID: 110002887029

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD983651951
Contact: UNDELIVERABLE PER VF97 AH
Telephone: 9096895889
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3421 GATO CT

JOYTECH INTERNATIONAL INC (Continued) **1000819223**

Mailing City,St,Zip: RIVERSIDE, CA 925076800
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Tons: 0.22
Facility County: Not reported

I39 **CADDOCK ELECTRONICS, INC** **RCRA-SQG 1000190733**
North **3127 CHICAGO AVE** **FINDS CAD981375280**
< 1/8 **RIVERSIDE, CA 92507** **HAZNET**
0.122 mi.
642 ft. **Site 1 of 3 in cluster I**

Relative:
Lower

Actual:
930 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: CADDOCK ELECTRONICS, INC
Facility address: 3127 CHICAGO AVE
RIVERSIDE, CA 92507
EPA ID: CAD981375280
Mailing address: 1717 CHICAGO AVE
RIVERSIDE, CA 92507
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CADDOCK ELECTRONICS, INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

CADDOCK ELECTRONICS, INC (Continued) **1000190733**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:
Date form received by agency: 01/30/1986
Facility name: CADDOCK ELECTRONICS, INC
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 01/28/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002685498

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

CADDOCK ELECTRONICS, INC (Continued) **1000190733**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid:	CAD981375280
Contact:	RICHARD E CADDOCK
Telephone:	9097881700
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1717 CHICAGO AVE
Mailing City,St,Zip:	RIVERSIDE, CA 925072208
Gen County:	Riverside
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Recycler
Tons:	.2085
Facility County:	Riverside

Gepaid:	CAD981375280
Contact:	RICHARD E CADDOCK
Telephone:	9097881700
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1717 CHICAGO AVE
Mailing City,St,Zip:	RIVERSIDE, CA 925072208
Gen County:	Riverside
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Transfer Station
Tons:	.3961
Facility County:	Riverside

Gepaid:	CAD981375280
Contact:	RICHARD E CADDOCK
Telephone:	9097881700
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1717 CHICAGO AVE
Mailing City,St,Zip:	RIVERSIDE, CA 925072208
Gen County:	Riverside
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Tons:	.2085
Facility County:	Riverside

Gepaid:	CAD981375280
Contact:	WESLEY J MCCRACKEN/DIRECTOR
Telephone:	9097881700
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1717 CHICAGO AVE

CADDOCK ELECTRONICS, INC (Continued) **1000190733**

Mailing City,St,Zip:	RIVERSIDE, CA 925072208
Gen County:	Riverside
TSD EPA ID:	CAD008302903
TSD County:	Riverside
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	1.5
Facility County:	Riverside

Gepaid:	CAD981375280
Contact:	WESLEY J MCCRACKEN/DIRECTOR
Telephone:	9097881700
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1717 CHICAGO AVE
Mailing City,St,Zip:	RIVERSIDE, CA 925072208
Gen County:	Riverside
TSD EPA ID:	CAD008302903
TSD County:	Riverside
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Transfer Station
Tons:	0.14
Facility County:	Riverside

Click this hyperlink while viewing on your computer to access
26 additional CA_HAZNET: record(s) in the EDR Site Report.

I40 **CADDOCK ELECTRONICS INC** **CA FID UST** **S101590005**
North **3127 CHICAGO AVE** **SWEEPS UST** **N/A**
< 1/8 **RIVERSIDE, CA 92507** **EMI**
0.122 mi.
642 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
930 ft.

CA FID UST:

Facility ID:	33002245
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147881700
Mail To:	Not reported
Mailing Address:	3127 CHICAGO AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92507
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

SWEEPS UST:

Status:	A
Comp Number:	35
Number:	1

CADDOCK ELECTRONICS INC (Continued) **S101590005**

Board Of Equalization: 44-017809
Ref Date: 10-27-92
Act Date: 10-27-92
Created Date: 09-27-88
Tank Status: A
Owner Tank Id: 000227
Swrcb Tank Id: 33-000-000035-000001
Actv Date: 10-27-92
Capacity: 2000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: A
Comp Number: 35
Number: 1
Board Of Equalization: 44-017809
Ref Date: 10-27-92
Act Date: 10-27-92
Created Date: 09-27-88
Tank Status: A
Owner Tank Id: 000227
Swrcb Tank Id: 33-000-000035-000002
Actv Date: 10-27-92
Capacity: 2000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 35
Number: 1
Board Of Equalization: 44-017809
Ref Date: 10-27-92
Act Date: 10-27-92
Created Date: 09-27-88
Tank Status: A
Owner Tank Id: 000227
Swrcb Tank Id: 33-000-000035-000003
Actv Date: 10-27-92
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 35
Number: 1
Board Of Equalization: 44-017809
Ref Date: 10-27-92
Act Date: 10-27-92
Created Date: 09-27-88
Tank Status: A
Owner Tank Id: 000227

CADDOCK ELECTRONICS INC (Continued) **S101590005**

Swrcb Tank Id: 33-000-000035-000004
Actv Date: 10-27-92
Capacity: 2000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 35
Number: 1
Board Of Equalization: 44-017809
Ref Date: 10-27-92
Act Date: 10-27-92
Created Date: 09-27-88
Tank Status: A
Owner Tank Id: 000227
Swrcb Tank Id: 33-000-000035-000005
Actv Date: 10-27-92
Capacity: 4000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

EMI:
Year: 2002
County Code: 33
Air Basin: SC
Facility ID: 27701
Air District Name: SC
SIC Code: 3676
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: N
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2003
County Code: 33
Air Basin: SC
Facility ID: 27701
Air District Name: SC
SIC Code: 3676
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: N
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

CADDOCK ELECTRONICS INC (Continued) **S101590005**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2004
County Code:	33
Air Basin:	SC
Facility ID:	27701
Air District Name:	SC
SIC Code:	3676
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	N
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.7207
Reactive Organic Gases Tons/Yr:	0.55
Carbon Monoxide Emissions Tons/Yr:	0.00262
NOX - Oxides of Nitrogen Tons/Yr:	0.00975
SOX - Oxides of Sulphur Tons/Yr:	0.0000623
Particulate Matter Tons/Yr:	0.000562
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005
County Code:	33
Air Basin:	SC
Facility ID:	27701
Air District Name:	SC
SIC Code:	3676
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.412245
Reactive Organic Gases Tons/Yr:	.395254753
Carbon Monoxide Emissions Tons/Yr:	.00192
NOX - Oxides of Nitrogen Tons/Yr:	.00715
SOX - Oxides of Sulphur Tons/Yr:	.00003
Particulate Matter Tons/Yr:	.00041
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0003895

J41 **76 STATION #5856** **LUST** **S109280361**
East **1395 BLAINE** **N/A**
1/8-1/4 **RIVERSIDE, CA**
0.126 mi.
666 ft. **Site 1 of 11 in cluster J**

Relative:
Higher

Actual:
966 ft.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	200824964
Site Closed:	Not Closed
Date Closed:	Not reported
Case Type:	Soil only
Site Number:	RO6600596

J42 **UNION OIL SERVICE STATION #585** **HIST UST** **U001576554**
East **1395 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.130 mi.
684 ft. **Site 2 of 11 in cluster J**

Relative:
Higher

Actual:
967 ft.

HIST UST:

Region:	STATE
Facility ID:	00000055210
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	RONALD D HUGHES
Telephone:	7146829963
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	123 CAMINO DELA REINA
Owner City,St,Zip:	SAN DIEGO, CA 92108
Tank Num:	001
Container Num:	1
Year Installed:	1967
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1967
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	1967
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor, 10

J43 **UNOCAL SS #5856** **CA FID UST** **S101631156**
East **1395 BLAINE ST** **SWEEPS UST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507** **HAZNET**
0.130 mi.
684 ft. **Site 3 of 11 in cluster J**

Relative:
Higher

Actual:
967 ft.

CA FID UST:

Facility ID:	33004911
Regulated By:	UTNKA
Regulated ID:	00055210
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7146829963
Mail To:	Not reported
Mailing Address:	17700 CASTLETON ST

UNOCAL SS #5856 (Continued) **S101631156**

Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 55210
Number: 1
Board Of Equalization: 44-001057
Ref Date: 03-22-94
Act Date: 05-24-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5856-11
Swrcb Tank Id: 33-000-055210-000001
Actv Date: 04-04-94
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: A
Comp Number: 55210
Number: 1
Board Of Equalization: 44-001057
Ref Date: 03-22-94
Act Date: 05-24-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5856-22
Swrcb Tank Id: 33-000-055210-000002
Actv Date: 04-04-94
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 55210
Number: 1
Board Of Equalization: 44-001057
Ref Date: 03-22-94
Act Date: 05-24-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5856-34
Swrcb Tank Id: 33-000-055210-000003
Actv Date: 04-04-94
Capacity: 500

UNOCAL SS #5856 (Continued) **S101631156**

Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

HAZNET:
Gepaid: CAL000135606
Contact: HAZMAT SPECIALIST
Telephone: 6027284180
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 52085
Mailing City,St,Zip: PHOENIX, AZ 850722085
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Riverside
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Tons: 0.06
Facility County: Riverside

J44 **TOSCO CORPORATION SS# 31001** **UST** **U003942301**
East **1395 BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.130 mi.
684 ft. **Site 4 of 11 in cluster J**

Relative:
Higher

Actual:
967 ft.

UST:
Global ID: 14100
Latitude: 33.983060000000002
Longitude: -117.34204

J45 **STATION #5856** **HIST UST** **U001576547**
East **1395 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.130 mi.
684 ft. **Site 5 of 11 in cluster J**

Relative:
Higher

Actual:
967 ft.

HIST UST:
Region: STATE
Facility ID: 00000049229
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0001
Contact Name: ROBERT L. GRIM
Telephone: 7146829963
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 1450 FRAZEE ROAD
Owner City,St,Zip: SAN DIEGO, CA 92108

Tank Num: 001
Container Num: 5856-00
Year Installed: 1967
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: UNLEADED

STATION #5856 (Continued) **U001576547**

Tank Construction: 6 inches
Leak Detection: Visual

J46 **BLAINE 76** **UST** **U004126532**
East **1395 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.130 mi.
684 ft. **Site 6 of 11 in cluster J**

Relative:
Higher

Actual:
967 ft.

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 3

J47 **76 STATION 5856** **LUST** **S109117531**
East **1395 BLAINE STREET** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.130 mi.
684 ft. **Site 7 of 11 in cluster J**

Relative:
Higher

Actual:
967 ft.

LUST:
Region: STATE
Global Id: T0606505495
Latitude: 33.9833
Longitude: -117.341958
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 2008-06-13 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: YR
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: Not reported
LOC Case Number: 200824964
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: The first case opend in November 1988 when hydrocarbon impacts were observed during the removal of two 10,000 gallon gasoling USTs and one waste-oil UST. The case closure letter was issued on May 7, 1990. The current case was opened in June 2008 based on a baseline due diligence site assessment from September 2007. Site assessment was conducted in March and April 2009. Soil borings B-7 and B-8 were advanced. B-7 was advanced to 70 ft bgs and B-8 was advanced to 81.5 ft bgs. Feasibility testing workplan approved by RCDEH in January 2010.

I48 **MC SPI INC** **CA FID UST** **S101631143**
North **3035 CHICAGO AVE** **SLIC** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507** **SWEEPS UST**
0.172 mi.
907 ft. **Site 3 of 3 in cluster I**

Relative:
Lower

Actual:
928 ft.

CA FID UST:
Facility ID: 33001736
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147842336
Mail To: Not reported
Mailing Address: 3035 CHICAGO AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: Not reported
Global Id: T0606567788
Lead Agency: RIVERSIDE COUNTY
Lead Agency Case Number: 22242
Latitude: 33.985543999999997
Longitude: -117.348905
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

SWEEPS UST:
Status: A
Comp Number: 35691
Number: 1
Board Of Equalization: 44-018197
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 08-29-89
Tank Status: A
Owner Tank Id: 001669
Swrcb Tank Id: 33-000-035691-000001
Actv Date: 11-17-92
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P

MC SPI INC (Continued) **S101631143**

Content: LEADED
Number Of Tanks: 2

Status: A
Comp Number: 35691
Number: 1
Board Of Equalization: 44-018197
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 08-29-89
Tank Status: A
Owner Tank Id: 001669
Swrcb Tank Id: 33-000-035691-000002
Actv Date: 11-17-92
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

J49 **RIVERSIDE ULTRAMAR** **UST** **U003784482**
East **1360 W. BLAINE ST.** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.178 mi.
938 ft. **Site 8 of 11 in cluster J**

Relative:
Higher

Actual:
974 ft.

UST:
Global ID: 14257
Latitude: 33.982970000000002
Longitude: -117.34124

J50 **MOBIL #18-D9M** **HIST CORTESE** **S101589902**
East **1360 BLAINE ST** **LUST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507** **CA FID UST**
0.178 mi. **SWEEPS UST**
938 ft. **Site 9 of 11 in cluster J**

Relative:
Higher

Actual:
974 ft.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303149T

LUST:
Region: STATE
Global Id: T0606500520
Latitude: 33.9825844606371
Longitude: -117.34158039093
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2010-03-18 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: YR
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303149T
LOC Case Number: 980038

MOBIL #18-D9M (Continued) **S101589902**

File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: December 1997: A subsurface investigation was conducted by Mobil for property transfer purposes. Eleven soil borings (B1 through B11) were drilled to depths of 15 to 41 ft bgs. MTBE was detected in several borings with maximum concentrations of 28 ppm in B2-15 . The site was placed into the Local Oversight Program. Assessment: Between December 1997 and October 2008, 30 borings were advanced to assess the lateral and vertical extent of petroleum hydrocarbons in soils beneath the site. Soils containing petroleum hydrocarbons and oxygenates were predominantly located in the vicinity of the gasoline UST s and eastern dispensers at depths between 10 ft and 35 ft bgs. Concentrations of TPHg were reported above laboratory detection limits in seven borings and ranged from 0.58 ppm to 7.51 ppm. Benzene was reported in three samples at concentrations ranging from 0.23J ppb to 25 ppb. Toluene was reported in three borings at concentrations ranging from 12 ppb to 17 ppb. Ethylbenzene was reported in two of the borings at concentrations ranging from 6 ppb to 38 ppb. Total xylenes were reported in three samples at concentrations ranging from 16 ppb to 190 ppb. Concentrations of MTBE were detected in 14 borings and ranged from 2 ppb to 28,000 ppb. Concentrations of TBA were reported in six borings ranging from 46 ppb to 540 ppb. Remediation/Verification: Soil remediation has been conducted at the site over a series of seven SVE events from 1999 through 2008 using a combination of the following SVE wells: TPB-1, VEW-1, VEW-2, VEW-3, VEW-4, VEW-5. The seven SVE events operated for a combined total of approx 10,751 hours and approx 1,456 lbs TPHg and 137.3 lbs of MTBE were extracted and treated. Confirmation: March through May 2008: SVE rebound test performed utilizing all 5 SVE wells. The SVE system operated for approx 955 hours and removed approx 3.13 lbs of VOChex and <1 lb of MTBE. October 2008: Seven confirmation borings drilled and sampled (CB8 through CB14) to assess the effectiveness of remediation conducted at the site. Each boring was advanced to approx 50 ft bgs. Maximum soil concentrations were: ND TPHg, 0.40J B (CB10-10), ND T, E, X, MTBE, DIPE, ETBE, TBA. Several J values of VOC s detected. No Further Action letter issued March 2010

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Preliminary site assessment workplan submitted
Case Number: 083303149T
Local Case Num: 980038
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: 60 FWY
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK

MOBIL #18-D9M (Continued) **S101589902**

Global ID: T0606500520
How Stopped Date: 1/14/1998
Enter Date: 4/1/1998
Review Date: 1/14/1998
Prelim Assess: Not reported
Discover Date: 1/14/1998
Enforcement Date: Not reported
Close Date: Not reported
Workplan: 4/6/1998
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 4/1/1998
GW Qualifies: Not reported
Soil Qualifies: =
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9831244
Longitude: -117.3406271
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 1
Max MTBE Soil: 28
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: RS
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: PRIMARILY MTBE DETECTED IN SOIL. 11 SOIL BORINGS DRILLED 12/97. MAX MTBE IN SOIL 28 PPM AT 15 FT.

CA FID UST:
Facility ID: 33000651
Regulated By: UTNKA
Regulated ID: 00039272
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146838924
Mail To: Not reported
Mailing Address: 3225 GALLOWS RD
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported

MOBIL #18-D9M (Continued) **S101589902**

Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 39272
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000721
Swrcb Tank Id: 33-000-039272-000001
Actv Date: 11-17-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 39272
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000721
Swrcb Tank Id: 33-000-039272-000002
Actv Date: 11-17-92
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 39272
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000721
Swrcb Tank Id: 33-000-039272-000003
Actv Date: 11-17-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 39272

MOBIL #18-D9M (Continued) **S101589902**

Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000721
Swrcb Tank Id: 33-000-039272-000004
Actv Date: 11-17-92
Capacity: 550
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

J51 **RIVERSIDE ULTRAMAR** **UST** **U002095553**
East **1360 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.178 mi.
938 ft. **Site 10 of 11 in cluster J**

Relative:
Higher

Actual:
974 ft.

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 3

J52 **MOBIL #18-D9M** **LUST** **S104970874**
East **1360 BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA**
0.178 mi.
940 ft. **Site 11 of 11 in cluster J**

Relative:
Higher

Actual:
974 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 980038
Site Closed: Yes
Date Closed: 3/18/2010
Case Type: Soil only
Site Number: RO6500520

K53 **RIVERSIDE TRANSIT AGENCY** **RCRA-SQG** **1000218322**
West **1825 THIRD STREET** **FINDS** **CAD981690274**
1/8-1/4 **RIVERSIDE, CA 92507** **CA WDS**
0.189 mi. **LUST**
999 ft. **Site 1 of 2 in cluster K** **UST**
HAZNET
Relative: **EMI**
Lower

Actual:
930 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: RIVERSIDE TRANSIT AGENCY
Facility address: 1825 3RD ST
RIVERSIDE, CA 92507
EPA ID: CAD981690274
Contact: Not reported
Contact address: Not reported

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: RIVERSIDE TRANSIT AGENCY
Owner/operator address: 1825 3RD ST
RIVERSIDE, CA 92507
Owner/operator country: Not reported
Owner/operator telephone: (909) 684-0850
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Verified to be non-commercial

Historical Generators:
Date form received by agency: 09/01/1996
Facility name: RIVERSIDE TRANSIT AGENCY
Classification: Small Quantity Generator

Date form received by agency: 03/26/1996
Facility name: RIVERSIDE TRANSIT AGENCY
Classification: Large Quantity Generator

Date form received by agency: 02/13/1996
Facility name: RIVERSIDE TRANSIT AGENCY
Classification: Small Quantity Generator

Date form received by agency: 03/21/1994
Facility name: RIVERSIDE TRANSIT AGENCY

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Classification: Large Quantity Generator

Date form received by agency: 02/24/1992
Facility name: RIVERSIDE TRANSIT AGENCY
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000887354

Environmental Interest/Information System
The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CA WDS:
Facility ID: Santa Ana River 33I016286
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: 9096840850
Facility Contact: Not reported
Agency Name: RIVERSIDE TRANSIT AGENCY
Agency Address: 1825 3rd St
Agency City,St,Zip: Riverside 925073484
Agency Contact: ACCOUNTS PAYABLE
Agency Telephone: 9096840850
Agency Type: ?
SIC Code: 0
SIC Code 2: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

LUST:
Region: STATE
Global Id: T0606516063
Latitude: 33.983001
Longitude: -117.351568
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2006-10-16 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: Not reported
LOC Case Number: 200522143
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Region: STATE
Global Id: T0606500559
Latitude: 33.9830465
Longitude: -117.3515786
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2000-09-06 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303342T
LOC Case Number: 9914861
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Region: STATE
Global Id: T0606500037
Latitude: 33.9793165
Longitude: -117.339662
Case Type: LUST Cleanup Site

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Status: Completed - Case Closed
Status Date: 1996-03-01 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083300326T
LOC Case Number: 95162
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Region: STATE
Global Id: T0606500499
Latitude: 33.983237
Longitude: -117.351605
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1999-02-23 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303025T
LOC Case Number: 970695
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083300326T
Local Case Num: Not reported
Case Type: Soil only
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: CHICAGO
Enf Type: Not reported
Funding: Not reported
How Discovered: Nuisance Conditions
How Stopped: Not reported
Leak Cause: R
Leak Source: Piping
Global ID: T0606500037
How Stopped Date: 2/23/1995
Enter Date: 1/1/1987
Review Date: Not reported
Prelim Assess: Not reported
Discover Date: 2/7/1995
Enforcement Date: Not reported
Close Date: 3/1/1996
Workplan: Not reported
Pollution Char: 5/20/1987

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 1/1/1987
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9793165
Longitude: -117.339662
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: NOM
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: UNLEADED GAS TANK WAS EVACUATED ON 10-15-86. PREVIOUSLY CLSD - 4/4/89 INVOLVES VIRGIL ENGINE OIL.

Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Leak being confirmed
Case Number: 083303025T
Local Case Num: 970695
Case Type: Soil only
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: CHICAGO
Enf Type: Not reported
Funding: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global ID: T0606500499
How Stopped Date: 6/12/1997
Enter Date: 7/23/1997
Review Date: 7/1/1997
Prelim Assess: Not reported
Discover Date: 7/1/1997
Enforcement Date: Not reported
Close Date: Not reported
Workplan: Not reported

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 7/23/1997
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.983237
Longitude: -117.351605
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
MTBE Class: *
Staff: CAB
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083303342T
Local Case Num: 99-14861
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: CHICAGO
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606500559
How Stopped Date: Not reported
Enter Date: 3/5/1999
Review Date: Not reported
Prelim Assess: Not reported
Discover Date: 1/20/1999
Enforcement Date: Not reported
Close Date: 9/6/2000
Workplan: Not reported

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 3/5/1999
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9788157
Longitude: -117.3202763
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: CAB
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

UST:
Global ID: 13185
Latitude: 33.983080000000001
Longitude: -117.35168

RIVERSIDE CO. UST:
Region: RIVERSIDE
Total Tanks: 4

HAZNET:
Gepaid: CAD981690274
Contact: PUBLIC AGENCY
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 3RD ST
Mailing City,St,Zip: RIVERSIDE, CA 925073416
Gen County: Sacramento
TSD EPA ID: CAD980883177
TSD County: Kern
Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: 47.1210
Facility County: Sacramento

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Gepaid: CAD981690274
Contact: PUBLIC AGENCY
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 3RD ST
Mailing City,St,Zip: RIVERSIDE, CA 925073416
Gen County: Sacramento
TSD EPA ID: CAT080022148
TSD County: San Bernardino
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Transfer Station
Tons: 1.3653
Facility County: Sacramento

Gepaid: CAD981690274
Contact: PUBLIC AGENCY
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 3RD ST
Mailing City,St,Zip: RIVERSIDE, CA 925073416
Gen County: Sacramento
TSD EPA ID: CAD093459485
TSD County: Fresno
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Tons: .0166
Facility County: Sacramento

Gepaid: CAD981690274
Contact: PUBLIC AGENCY
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 3RD ST
Mailing City,St,Zip: RIVERSIDE, CA 925073416
Gen County: Sacramento
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: .2502
Facility County: Sacramento

Gepaid: CAD981690274
Contact: PUBLIC AGENCY
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 3RD ST
Mailing City,St,Zip: RIVERSIDE, CA 925073416
Gen County: Sacramento
TSD EPA ID: CAL000113451
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Tons: 4.5660
Facility County: Sacramento

Click this hyperlink while viewing on your computer to access
80 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1990
County Code: 33
Air Basin: SC
Facility ID: 45227
Air District Name: SC
SIC Code: 9621
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1995
County Code: 33
Air Basin: SC
Facility ID: 45227
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 6
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1996
County Code: 33
Air Basin: SC
Facility ID: 45227
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 8
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Year:	1997
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	10
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	33
Air Basin:	SC
Facility ID:	45227
Air District Name:	SC
SIC Code:	4111
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1

RIVERSIDE TRANSIT AGENCY (Continued) **1000218322**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2004
County Code: 33
Air Basin: SC
Facility ID: 45227
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.215812
Reactive Organic Gases Tons/Yr: 1.22
Carbon Monoxide Emissions Tons/Yr: 0.76505
NOX - Oxides of Nitrogen Tons/Yr: 0.08112
SOX - Oxides of Sulphur Tons/Yr: 0.0015075
Particulate Matter Tons/Yr: 0.004958
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2005
County Code: 33
Air Basin: SC
Facility ID: 45227
Air District Name: SC
SIC Code: 4111
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .2034507
Reactive Organic Gases Tons/Yr: .1968391236
Carbon Monoxide Emissions Tons/Yr: 1.06767
NOX - Oxides of Nitrogen Tons/Yr: .05688
SOX - Oxides of Sulphur Tons/Yr: .00161
Particulate Matter Tons/Yr: .0035
Part. Matter 10 Micrometers & Smllr Tons/Yr: .00341058

K54 **RIVERSIDE TRANSIT AGENCY** **HIST CORTESE** **U002095645**
West **1825 THIRD ST** **LUST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507** **CA FID UST**
0.189 mi. **SWEEPS UST**
999 ft. **Site 2 of 2 in cluster K** **HAZNET**

Relative: CORTESE:
Lower Region: CORTESE
Facility County Code: 33
Actual: Reg By: LTNKA
930 ft. Reg Id: 083303025T

Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303233T

Region: CORTESE
Facility County Code: 33

RIVERSIDE TRANSIT AGENCY (Continued) **U002095645**

Reg By: LTNKA
Reg Id: 083303342T

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 95162
Site Closed: Yes
Date Closed: 3/1/1996
Case Type: Soil only
Site Number: RO6600165

Region: RIVERSIDE
Facility ID: 970695
Site Closed: Yes
Date Closed: 2/23/1999
Case Type: Soil only
Site Number: RO6600302

Region: RIVERSIDE
Facility ID: 9914861
Site Closed: Yes
Date Closed: 8/3/2000
Case Type: Soil only
Site Number: RO6600384

Region: RIVERSIDE
Facility ID: 200522143
Site Closed: Yes
Date Closed: 10/13/2006
Case Type: Soil only
Site Number: RO6600583

VENTURA CO. LUST:
Region: VENTURA
Facility ID: 95162
Status: Case Closed

CA FID UST:
Facility ID: 33006698
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146840850
Mail To: Not reported
Mailing Address: 1825 THIRD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RIVERSIDE TRANSIT AGENCY (Continued) **U002095645**

SWEEPS UST:

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92
Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000001
Actv Date:	11-18-92
Capacity:	20000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	7

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92
Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000002
Actv Date:	11-18-92
Capacity:	20000
Tank Use:	M.V. FUEL
Stg:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92
Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000003
Actv Date:	11-18-92
Capacity:	20000
Tank Use:	M.V. FUEL
Stg:	P
Content:	METHANOL
Number Of Tanks:	Not reported

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92

RIVERSIDE TRANSIT AGENCY (Continued) **U002095645**

Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000004
Actv Date:	11-18-92
Capacity:	2000
Tank Use:	OIL
Stg:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92
Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000005
Actv Date:	11-18-92
Capacity:	2000
Tank Use:	PETROLEUM
Stg:	P
Content:	ENGINE OIL
Number Of Tanks:	Not reported

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92
Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000006
Actv Date:	11-18-92
Capacity:	1000
Tank Use:	PETROLEUM
Stg:	P
Content:	AUTOMATIC TR
Number Of Tanks:	Not reported

Status:	A
Comp Number:	67447
Number:	1
Board Of Equalization:	44-018511
Ref Date:	11-18-92
Act Date:	11-18-92
Created Date:	04-24-89
Tank Status:	A
Owner Tank Id:	000910
Swrcb Tank Id:	33-000-067447-000007
Actv Date:	11-18-92

RIVERSIDE TRANSIT AGENCY (Continued) **U002095645**

Capacity: 4000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HAZNET:
Gepaid: CAD981690274
Contact: BOB CABRAL, MAINT ANALYST
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 THIRD ST
Mailing City,St,Zip: RIVERSIDE, CA 925171968
Gen County: Riverside
TSD EPA ID: CAT000613976
TSD County: Riverside
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Tons: 0.42
Facility County: Riverside

Gepaid: CAD981690274
Contact: BOB CABRAL, MAINT ANALYST
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 THIRD ST
Mailing City,St,Zip: RIVERSIDE, CA 925171968
Gen County: Riverside
TSD EPA ID: CAT000613927
TSD County: Riverside
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 7.4
Facility County: Riverside

Gepaid: CAD981690274
Contact: BOB CABRAL, MAINT ANALYST
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 THIRD ST
Mailing City,St,Zip: RIVERSIDE, CA 925171968
Gen County: Riverside
TSD EPA ID: CAT080033681
TSD County: Riverside
Waste Category: Unspecified sludge waste
Disposal Method: Disposal, Land Fill
Tons: 1.14
Facility County: Riverside

Gepaid: CAD981690274
Contact: BOB CABRAL, MAINT ANALYST
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported

Map ID
Direction
Distance
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

RIVERSIDE TRANSIT AGENCY (Continued) **U002095645**

Mailing Address: 1825 THIRD ST
Mailing City,St,Zip: RIVERSIDE, CA 925171968
Gen County: Riverside
TSD EPA ID: CAD008252405
TSD County: Riverside
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: 0.18
Facility County: Riverside

Gepaid: CAD981690274
Contact: BOB CABRAL, MAINT ANALYST
Telephone: 9096840850
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1825 THIRD ST
Mailing City,St,Zip: RIVERSIDE, CA 925171968
Gen County: Riverside
TSD EPA ID: CAL000113451
TSD County: Riverside
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 1.64
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
24 additional CA_HAZNET: record(s) in the EDR Site Report.

L55 **BUY RITE #203** **UST** **U003948805**
South **3750 CHICAGO AVE** **SWEEPS UST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.218 mi.
1152 ft. **Site 1 of 4 in cluster L**

Relative:
Higher

Actual:
957 ft.

UST:
Global ID: 4073
Latitude: 33.97627
Longitude: -117.3484

SWEEPS UST:
Status: A
Comp Number: 12148
Number: 1
Board Of Equalization: Not reported
Ref Date: 10-21-92
Act Date: 10-21-92
Created Date: 07-19-90
Tank Status: A
Owner Tank Id: 000019
Swrcb Tank Id: 33-000-012148-000001
Actv Date: 10-21-92
Capacity: 16000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: 3

BUY RITE #203 (Continued) **U003948805**

Status: A
Comp Number: 12148
Number: 1
Board Of Equalization: Not reported
Ref Date: 10-21-92
Act Date: 10-21-92
Created Date: 07-19-90
Tank Status: A
Owner Tank Id: 000019
Swrcb Tank Id: 33-000-012148-000002
Actv Date: 10-21-92
Capacity: 20000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 12148
Number: 1
Board Of Equalization: Not reported
Ref Date: 10-21-92
Act Date: 10-21-92
Created Date: 07-19-90
Tank Status: A
Owner Tank Id: 000019
Swrcb Tank Id: 33-000-012148-000003
Actv Date: 10-21-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

L56 **BUY RITE** **LUST S106567408**
South **3750 CHICAGO AVENUE** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.218 mi.
1152 ft. **Site 2 of 4 in cluster L**

Relative:
Higher

Actual:
957 ft.

LUST:
Region: STATE
Global Id: T0606586370
Latitude: 33.976714
Longitude: -117.348027
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 2005-03-18 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: YR
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: Not reported
LOC Case Number: 200420804
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: ***Data prior to 2005 does not appear in GeoTracker. Consult agency files for all site data***

BUY RITE (Continued) **S106567408**

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Leak being confirmed
Case Number: Not reported
Local Case Num: 200420804
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: UNIVERSITY AVENUE
Enf Type: Not reported
Funding: LOPF
How Discovered: OM
How Stopped: Close Tank
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606586370
How Stopped Date: Not reported
Enter Date: Not reported
Review Date: 8/2/2004
Prelim Assess: Not reported
Discover Date: 7/29/2004
Enforcement Date: Not reported
Close Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 0
Longitude: 0
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: RS
Staff Initials: SCB
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: **CASE TYPE = SOIL ONLY

L57 **BUY RITE #203** **LUST** **S101590254**
South **3750 CHICAGO AVE** **CA FID UST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92506**
0.218 mi.
1152 ft. **Site 3 of 4 in cluster L**

Relative:
Higher

Actual:
957 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 200420804
Site Closed: Not Closed
Date Closed: Not reported
Case Type: Drinking Water Aquifer affected
Site Number: RO6586370

CA FID UST:
Facility ID: 33006880
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146839786
Mail To: Not reported
Mailing Address: 1308 W ROBINHOOD DR
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92506
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

L58 **CHARGER #4** **HIST UST** **U001576445**
South **3750 CHICAGO AVE** **N/A**
1/8-1/4 **RIVERSIDE, CA 92506**
0.218 mi.
1152 ft. **Site 4 of 4 in cluster L**

Relative:
Higher

Actual:
957 ft.

HIST UST:
Region: STATE
Facility ID: 00000043934
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: A.S. SWAIN
Telephone: 6195623152
Owner Name: WILLIAM AND BARBARA WRIGHT
Owner Address: 8681 N. MAGNOLIA
Owner City,St,Zip: SANTEE, CA 92071

Tank Num: 001
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00020000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

CHARGER #4 (Continued) **U001576445**

Tank Num: 002
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00016000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

M59 **TEXACO BLAINE** **LUST** **S105557663**
East **1300 BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA**
0.237 mi.
1250 ft. **Site 1 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 200218657
Site Closed: Yes
Date Closed: 5/18/2005
Case Type: Soil only
Site Number: RO6600538

M60 **DAVID NEWMAN** **HIST UST** **U001576497**
East **1306 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.239 mi.
1264 ft. **Site 2 of 8 in cluster M**

Relative:
Higher

Actual:
982 ft.

HIST UST:
Region: STATE
Facility ID: 00000039272
Facility Type: Not reported
Other Type: Not reported
Total Tanks: 0004
Contact Name: Not reported
Telephone: 7146838924
Owner Name: MOBIL OIL CORPORATION
Owner Address: 612 S. FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90017

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

DAVID NEWMAN (Continued) **U001576497**

Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Stock Inventor

M61 **TEXACO STATION** **UST U003739436**
East **1300 BLAINE ST** **SWEEPS UST N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.249 mi.
1313 ft. **Site 3 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

UST:
Global ID: 13828
Latitude: 33.982950000000002
Longitude: -117.34007

SWEEPS UST:
Status: A
Comp Number: 24161
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001369
Swrcb Tank Id: 33-000-024161-000001
Actv Date: 11-19-92
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED

TEXACO STATION (Continued) **U003739436**

Number Of Tanks: 4

Status: A
Comp Number: 24161
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001369
Swrcb Tank Id: 33-000-024161-000002
Actv Date: 11-19-92
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 24161
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001369
Swrcb Tank Id: 33-000-024161-000003
Actv Date: 11-19-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 24161
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001369
Swrcb Tank Id: 33-000-024161-000004
Actv Date: 11-19-92
Capacity: 1000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

M62 **TEXACO SERVICE STATION** **CA FID UST** **S101590023**
East **1300 BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.249 mi.
1313 ft. **Site 4 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

CA FID UST:

Facility ID:	33002484
Regulated By:	UTNKA
Regulated ID:	00024161
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7147870625
Mail To:	Not reported
Mailing Address:	P O BOX 7812
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92507
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

M63 **EXXON SERVICE STATION** **HIST UST** **U001576503**
East **1300 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.249 mi.
1313 ft. **Site 5 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

HIST UST:

Region:	STATE
Facility ID:	00000024161
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0004
Contact Name:	W.F. SALEEB
Telephone:	7147870625
Owner Name:	EXXON COMPANY U.S.A.
Owner Address:	16945 NORTHCHASE BLVD.
Owner City,St,Zip:	HOUSTON, TX 77210
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1971
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

EXXON SERVICE STATION (Continued) **U001576503**

Tank Num:	003
Container Num:	3
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1971
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

M64 **TEXACO SERVICE STATION 120593** **RCRA-SQG** **1004678170**
East **1300 BLAINE ST** **FINDS** **CAR000105809**
1/8-1/4 **RIVERSIDE, CA 92507** **LUST**
0.249 mi. **HAZNET**
1313 ft. **Site 6 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

RCRA-SQG:

Date form received by agency:	02/28/2002
Facility name:	TEXACO SERVICE STATION 120593
Facility address:	1300 BLAINE ST RIVERSIDE, CA 92507
EPA ID:	CAR000105809
Mailing address:	PO BOX 2648 HOUSTON, TX 77252
Contact:	SONDRA E BIENVENU
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(713) 241-5036
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EQUILON ENTERPRISES L L C
Owner/operator address:	P O BOX 2648 HOUSTON, TX 77252
Owner/operator country:	Not reported
Owner/operator telephone:	(713) 241-5036
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

TEXACO SERVICE STATION 120593 (Continued) **1004678170**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
Waste type: Batteries
Accumulated waste on-site: Unknown
Generated waste on-site: Unknown

Waste type: Lamps
Accumulated waste on-site: Unknown
Generated waste on-site: Unknown

Waste type: Pesticides
Accumulated waste on-site: Unknown
Generated waste on-site: Unknown

Waste type: Thermostats
Accumulated waste on-site: Unknown
Generated waste on-site: Unknown

Historical Generators:
Date form received by agency: 02/28/2002
Facility name: TEXACO SERVICE STATION 120593
Classification: Large Quantity Generator

Date form received by agency: 09/18/2001
Facility name: TEXACO SERVICE STATION 120593
Site name: TEXACO SERVICE STATION
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

TEXACO SERVICE STATION 120593 (Continued) **1004678170**

Violation Status: No violations found

FINDS:

Registry ID: 110012189023

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:
Region: STATE
Global Id: T0606599251
Latitude: 0
Longitude: 0
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2005-05-18 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303932T
LOC Case Number: 200218657
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Leak being confirmed
Case Number: 083303932T
Local Case Num: 200218657
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: HWY 215
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Close Tank
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606599251

TEXACO SERVICE STATION 120593 (Continued) **1004678170**

How Stopped Date: 6/11/2002
Enter Date: Not reported
Review Date: 6/12/2002
Prelim Assess: Not reported
Discover Date: 6/11/2002
Enforcement Date: Not reported
Close Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: =
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 0
Longitude: 0
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: 33000
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: TME
Staff Initials: SCB
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HAZNET:
Gepaid: CAR000105809
Contact: SONDRA BIENVENU
Telephone: 7132415036
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2648
Mailing City,St,Zip: HOUSTON, TX 77252648
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Tons: 0.62
Facility County: Not reported

Gepaid: CAR000105809
Contact: SONDRA BIENVENU

TEXACO SERVICE STATION 120593 (Continued) **1004678170**

Telephone: 7132415036
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2648
Mailing City,St,Zip: HOUSTON, TX 77252648
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: 0.41
Facility County: Not reported

Gepaid: CAR000105809
Contact: SONDRA BIENVENU
Telephone: 7132415036
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2648
Mailing City,St,Zip: HOUSTON, TX 77252648
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: San Bernardino
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Disposal, Other
Tons: 21
Facility County: Not reported

Gepaid: CAR000105809
Contact: SONDRA BIENVENU
Telephone: 7132415036
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2648
Mailing City,St,Zip: HOUSTON, TX 77252648
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 7.5
Facility County: Not reported

Gepaid: CAR000105809
Contact: N CORTEZ/ENVT'L DATA ANALYST
Telephone: 2818742224
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE MFT 240-G
Mailing City,St,Zip: HOUSTON, TX 770672508
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 1.25
Facility County: Not reported

TEXACO SERVICE STATION 120593 (Continued) **1004678170**

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

M65 **EXXON SERVICE STATION #2899** **LUST** **S104164200**
East **1300 BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.249 mi.
1313 ft. **Site 7 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

LUST:

Region:	STATE
Global Id:	T0606500065
Latitude:	33.9829958
Longitude:	-117.3398698
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1988-07-11 00:00:00
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Case Worker:	CAB
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	083300601T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300601T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	IOWA
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0606500065
How Stopped Date:	Not reported
Enter Date:	8/6/1987
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	7/11/1988
Workplan:	Not reported
Pollution Char:	8/7/1987
Remed Plan:	Not reported
Remed Action:	Not reported

EXXON SERVICE STATION #2899 (Continued) **S104164200**

Monitoring:	Not reported
Enter Date:	8/6/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9831244
Longitude:	-117.339803
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

M66 **EXXON R/S #7-2899** **HIST UST** **U001576502**
East **1300 W BLAINE ST** **N/A**
1/8-1/4 **RIVERSIDE, CA 92507**
0.249 mi.
1313 ft. **Site 8 of 8 in cluster M**

Relative:
Higher

Actual:
983 ft.

HIST UST:

Region:	STATE
Facility ID:	00000069246
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0005
Contact Name:	W.F. SALEEB
Telephone:	7147870625
Owner Name:	EXXON COMPANY USA
Owner Address:	4550 DACOMA, 3RD FLOOR
Owner City,St,Zip:	HOUSTON, TX 77092
Tank Num:	001
Container Num:	1
Year Installed:	1987
Tank Capacity:	00008000
Tank Used for:	WASTE
Type of Fuel:	4
Tank Construction:	Unkown inches
Leak Detection:	Sensor Instrument
Tank Num:	002
Container Num:	2
Year Installed:	1987

EXXON R/S #7-2899 (Continued) **U001576502**

Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Sensor Instrument

Tank Num: 003
Container Num: 3
Year Installed: 1987
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Sensor Instrument

Tank Num: 004
Container Num: 4
Year Installed: 1987
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Sensor Instrument

Tank Num: 005
Container Num: 5
Year Installed: 1987
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: Sensor Instrument

N67 **SHELL IOWA AVENUE** **LUST S106716773**
East **3261 IOWA AVENUE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.252 mi.
1328 ft. **Site 1 of 4 in cluster N**

Relative:
Higher

Actual:
980 ft.

LUST:
Region: STATE
Global Id: T0606575445
Latitude: 33.983522
Longitude: -117.340273
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 2006-04-07 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: Not reported
LOC Case Number: 200421108
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

SHELL IOWA AVENUE (Continued) **S106716773**

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Leak being confirmed
Case Number: Not reported
Local Case Num: 200421108
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: BLAINE
Enf Type: Not reported
Funding: LOPF
How Discovered: OM
How Stopped: Other Means
Leak Cause: Other Cause
Leak Source: UNK
Global ID: T0606575445
How Stopped Date: Not reported
Enter Date: Not reported
Review Date: 12/14/2004
Prelim Assess: Not reported
Discover Date: 11/15/2004
Enforcement Date: Not reported
Close Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LOCNL
Latitude: 0
Longitude: 0
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: CAB
Staff Initials: SCB
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

N68
East
1/4-1/2
0.252 mi.
1328 ft.

Relative:
Higher

Actual:
980 ft.

SHELL
3261 IOWA AVE
RIVERSIDE, CA 92507

Site 2 of 4 in cluster N

HIST CORTESE **U001576545**
HIST UST **N/A**
CHMIRS

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083302449T

HIST UST:
Region: STATE
Facility ID: 00000009500
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0003
Contact Name: ROGER SCHNIEDER
Telephone: 7146839959
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. BOX 4848
Owner City,St,Zip: ANAHEIM, CA 92803

Tank Num: 001
Container Num: 3
Year Installed: 1979
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 002
Container Num: 1
Year Installed: 1979
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

Tank Num: 003
Container Num: 2
Year Installed: 1979
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: 1/4 inches
Leak Detection: Stock Inventor, Groundwater Monitoring Well, 10

CHMIRS:
OES Incident Number: 1092
OES notification: Not reported
OES Date: 3/4/1994
OES Time: 10:18:24 AM
Incident Date: Not reported
Date Completed: **Not reported**

SHELL (Continued) **U001576545**

Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: YES
Waterway: Not reported
Spill Site: Not reported
Cleanup By: tanks emptied, contractor enroute
Containment: Not reported
What Happened: Not reported
Type: PETROLEUM
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1994
Agency: shell oil
Incident Date: 03/04/94 0900
Admin Agency: Not reported
Amount: unknown
Contained: NO
Site Type: S/S
E Date: Not reported
Substance: gasoline
Quantity Released: Not reported
BBLS: Not reported
Cups: Not reported
CUFT: Not reported
Gallons: Not reported
Grams: Not reported
Pounds: Not reported

SHELL (Continued) **U001576545**

Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Description:	tank test failure for 2 tanks.
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
Description:	Not reported

N69 **BLAINE SHELL** **LUST S105033180**
East **3261 IOWA AVE** **HAZNET N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.252 mi.
1328 ft. **Site 3 of 4 in cluster N**

Relative:
Higher

Actual:
980 ft.

LUST:

Region:	STATE
Global Id:	T0606500371
Latitude:	33.983348
Longitude:	-117.340273
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1996-05-16 00:00:00
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	SCB
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	083302449T
LOC Case Number:	94345
File Location:	Local Agency Warehouse
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083302449T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	BLAINE
Enf Type:	Not reported
Funding:	Federal Funds
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500371
How Stopped Date:	3/31/1994

BLAINE SHELL (Continued) **S105033180**

Enter Date:	6/16/1994
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	3/31/1994
Enforcement Date:	Not reported
Close Date:	5/16/1996
Workplan:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	6/16/1994
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9832774
Longitude:	-117.3400601
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	SCB
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	ADDITIONAL RP MIKE CLAUDIO BOBBY AND CYNTHIA MILLER SHELL OIL CO. 3261 IOWA AVE. 511 BROOKHURST RIVERSIDE CA 92507 ANAHEIM, CA 92803

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	200421108
Site Closed:	Yes
Date Closed:	4/7/2006
Case Type:	Soil only
Site Number:	RO6600577

HAZNET:

Gepaid:	CAL000122469
Contact:	EQUILON ENTERPRISES LLC
Telephone:	7132412258
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 4453
Mailing City,St,Zip:	HOUSTON, TX 772104453

BLAINE SHELL (Continued) **S105033180**

Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Tons: 1.0425
Facility County: Riverside

Gepaid: CAL000122469
Contact: EQUILON ENTERPRISES LLC
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4453
Mailing City,St,Zip: HOUSTON, TX 772104453
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Tons: 1.1467
Facility County: Riverside

Gepaid: CAL000122469
Contact: EQUILON ENTERPRISES LLC
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4453
Mailing City,St,Zip: HOUSTON, TX 772104453
Gen County: Riverside
TSD EPA ID: CAD982484933
TSD County: 7
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Not reported
Tons: 6.0000
Facility County: Riverside

N70 **SHELL BLAINE** **LUST S103820973**
East **3261 IOWA AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA**
0.252 mi.
1328 ft. **Site 4 of 4 in cluster N**

Relative:
Higher

Actual:
980 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 94345
Site Closed: Yes
Date Closed: 5/16/1996
Case Type: Soil only
Site Number: RO6600118

71 **UNOCAL #3779** **LUST S103943694**
South **1490 UNIVERSITY AVE** **SLIC N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.258 mi.
1362 ft.

Relative:
Higher

Actual:
980 ft.

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Preliminary site assessment workplan submitted
Case Number: 083302540T
Local Case Num: Not reported
Case Type: Soil only
Substance: Unleaded Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: CRANFORD
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606500397
How Stopped Date: 6/22/1994
Enter Date: 12/13/1994
Review Date: Not reported
Prelim Assess: Not reported
Discover Date: 6/20/1994
Enforcement Date: Not reported
Close Date: Not reported
Workplan: 1/1/1965
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 12/13/1994
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9754575
Longitude: -117.3439821
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: NOM
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported

UNOCAL #3779 (Continued) **S103943694**

Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	Not reported
Global Id:	T0606500397
Lead Agency:	RIVERSIDE COUNTY
Lead Agency Case Number:	Not reported
Latitude:	33.975457499999997
Longitude:	-117.34398210000001
Case Type:	Cleanup Program Site
Case Worker:	BER
Local Agency:	RIVERSIDE COUNTY
RB Case Number:	083302540T
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

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72 **TOMRA PACIFIC INC** **SWRCY** **S107138205**
NE **2995 IOWA AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.315 mi.
1662 ft.

Relative:
Higher

Actual:
969 ft.

SWRCY:

Certification Status:	O
Facility Phone Number:	Not reported
Date facility became certified:	6/25/1998
Date facility began operating:	7/1/1998
Date facility ceased operating:	Still operating
Whether The Facility Is Grandfathered:	Not reported
Convenience Zone Where Faciltiy Located:	3848
Convenience Zone Where Faciltiy Located 2:	Not Accepted
Convenience Zone Where Faciltiy Located 3:	Not Accepted
Convenience Zone Where Faciltiy Located 4:	Not Accepted
Convenience Zone Where Faciltiy Located 5:	Not Accepted
Convenience Zone Where Faciltiy Located 6:	Not Accepted
Convenience Zone Where Faciltiy Located 7:	Not Accepted
Aluminum Beverage Containers Redeemed:	AL
Glass Beverage Containers Redeemed:	GL
Plastic Beverage Containers Redeemed:	PL
Other mat beverage containers redeemed:	OB
Refillable Beverage Containers Redeemed:	Not reported

73 **ALL WOODS LAMINATING & MILLING INC.** **CERC-NFRAP** **1003879569**
NW **1850 MASS AVE. BLDG 'C'** **CAD983594185**
1/4-1/2 **RIVERSIDE, CA 92507**
0.336 mi.
1774 ft.

Relative:
Lower

Actual:
906 ft.

CERC-NFRAP:

Site ID:	0904049
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Title:	Not reported
Contact Name:	Carl Brickner
Contact Tel:	(415) 972-3814
Contact Title:	Not reported
Contact Name:	Brunilda Davila
Contact Tel:	(415) 972-3162
Contact Title:	Not reported
Contact Name:	Jeff Inglis
Contact Tel:	(415) 972-3095
Contact Title:	Not reported
Contact Name:	Karen Jurist
Contact Tel:	(415) 972-3219
Contact Title:	Not reported
Contact Name:	Matt Mitguard
Contact Tel:	(415) 972-3096

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	08/16/1991
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	12/02/1993
Priority Level:	NFRAP: No further Remedial Action planned
Action:	ARCHIVE SITE
Date Started:	Not reported
Date Completed:	12/02/1993
Priority Level:	Not reported

O74
SE
1/4-1/2
0.363 mi.
1917 ft.

EXXON SERVICE STATION #3645
1295 UNIVERSITY AVE
RIVERSIDE, CA 92507

LUST **S102429527**
N/A

Site 1 of 5 in cluster O

Relative:
Higher

Actual:
1000 ft.

LUST:

Region:	STATE
Global Id:	T0606500058
Latitude:	33.9757959
Longitude:	-117.339721
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	2005-06-08 00:00:00
Lead Agency:	RIVERSIDE COUNTY
Case Worker:	BER
Local Agency:	RIVERSIDE COUNTY
RB Case Number:	083300510T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300510T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	IOWA
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0606500058
How Stopped Date:	Not reported
Enter Date:	7/21/1987
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported
Close Date:	9/24/1987
Workplan:	Not reported
Pollution Char:	7/21/1987
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	7/21/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported

EXXON SERVICE STATION #3645 (Continued) **S102429527**

Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9757526
Longitude:	-117.3396869
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	THE NAME OF THIS SITE IS: MARV'S EXXON SERVICE.

O75
SE
1/4-1/2
0.363 mi.
1917 ft.

TEXACO REFINING AND MARKETING INC
1295 UNIVERSITY
RIVERSIDE, CA 92507

HIST CORTESE **S103627553**
HAZNET **N/A**

Site 2 of 5 in cluster O

Relative:
Higher

Actual:
1000 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	LTNKA
Reg Id:	083300510T

HAZNET:

Gepaid:	CAL000047497
Contact:	TEXACO REFINING AND MARKETING
Telephone:	8185052802
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	10 UNIVERSAL CITY PLAZA 7TH FLOOR
Mailing City,St,Zip:	UNIVERSAL CITY, CA 916081009
Gen County:	Riverside
TSD EPA ID:	Not reported
TSD County:	0
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	.8340
Facility County:	Riverside

76
SW
1/4-1/2
0.365 mi.
1926 ft.

Relative:
Lower

Actual:
940 ft.

EASTSIDE ELEMENTARY SCHOOL **SCH** **S107027259**
UNIVERSITY AVENUE/OTTAWA AVENUE **ENVIROSTOR** **N/A**
RIVERSIDE, CA 92507

SCH:

Facility ID:	33000044
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	11.5
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager:	S. STEVEN HARIRI
Supervisor:	Shahir Haddad
Division Branch:	Cypress
Site Code:	404630
Assembly:	64
Senate:	31
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	2/7/2007 0:00
Restricted Use:	NO
Funding:	School District
Latitude:	33.9742
Longitude:	-117.3517
APN:	NONE SPECIFIED
Past Use:	* UNKNOWN
Potential COC:	30003, 30013, 30019, 30024, 30025, 3002502
Confirmed COC:	30019-NO,30024-NO,30025-NO,30003-NO,30013-NO,3002502-NO
Potential Description:	SOIL
Alias Name:	33000044
Alias Type:	Envirostor ID Number
Alias Name:	RIVERSIDE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	404630
Alias Type:	Project Code (Site Code)
Alias Name:	RIVERSIDE USD-PRPSD EASTSIDE ELEM SCHOOL
Alias Type:	Alternate Name

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	2006-01-10 00:00:00
Comments:	Field Work Scheduled for 1/16/06
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	2005-06-28 00:00:00
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Amendment - Order/Agreement

EASTSIDE ELEMENTARY SCHOOL (Continued) **S107027259**

Completed Date:	2006-04-27 00:00:00
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inactive Status Letter
Completed Date:	2007-01-16 00:00:00
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	2007-02-07 00:00:00
Comments:	CRU Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

ENVIROSTOR:

Site Type:	School Investigation
Site Type Detailed:	School
Acres:	11.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	S. STEVEN HARIRI
Supervisor:	Shahir Haddad
Division Branch:	Cypress
Facility ID:	33000044
Site Code:	404630
Assembly:	64
Senate:	31
Special Program:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	2/7/2007 0:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	School District
Latitude:	33.9742
Longitude:	-117.3517
APN:	NONE SPECIFIED
Past Use:	* UNKNOWN
Potential COC:	30003, 30013, 30019, 30024, 30025, 3002502
Confirmed COC:	30019-NO,30024-NO,30025-NO,30003-NO,30013-NO,3002502-NO
Potential Description:	SOIL
Alias Name:	33000044
Alias Type:	Envirostor ID Number
Alias Name:	RIVERSIDE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	404630

EASTSIDE ELEMENTARY SCHOOL (Continued) **S107027259**

Alias Type: Project Code (Site Code)
Alias Name: RIVERSIDE USD-PRPSD EASTSIDE ELEM SCHOOL
Alias Type: Alternate Name

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 2006-01-10 00:00:00
Comments: Field Work Scheduled for 1/16/06

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 2005-06-28 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 2006-04-27 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inactive Status Letter
Completed Date: 2007-01-16 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 2007-02-07 00:00:00
Comments: CRU Completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

O77 **ARCO PRODUCTS COMPANY #9714** **HIST CORTESE S103950775**
SE **1294 UNIVERSITY** **HAZNET N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.370 mi.
1953 ft. **Site 3 of 5 in cluster O**

Relative:
Higher

Actual:
1000 ft.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303277T

ARCO PRODUCTS COMPANY #9714 (Continued) **S103950775**

HAZNET:
Gepaid: CAL000187265
Contact: ARCO PRODUCTS COMPANY
Telephone: 7146705407
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907020000
Gen County: Riverside
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.0850
Facility County: Riverside

Gepaid: CAL000187265
Contact: ARCO PRODUCTS COMPANY
Telephone: 7146705407
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907020000
Gen County: Riverside
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 0.0083
Facility County: Riverside

Gepaid: CAL000244489
Contact: CARLOS RODRIGUEZ
Telephone: 7146705402
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 2.29
Facility County: Not reported

Gepaid: CAL000187265
Contact: CARLOS RODRIGUEZ
Telephone: 7146705402
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907020000
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues

ARCO PRODUCTS COMPANY #9714 (Continued) **S103950775**

Disposal Method: Recycler
Tons: 0.12
Facility County: Not reported

Gepaid: CAL000187531
Contact: CARLOS RODRIGUEZ
Telephone: 7146705402
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Riverside
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.03
Facility County: Not reported

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

O78 **THRIFTY OIL #344/ ARCO #9714** **LUST** **S103943693**
SE **1294 UNIVERSITY AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.370 mi.
1953 ft. **Site 4 of 5 in cluster O**

Relative:
Higher

Actual:
1000 ft.

LUST:
Region: STATE
Global Id: T0606500545
Latitude: 33.9757246
Longitude: -117.3397409
Case Type: LUST Cleanup Site
Status: Open - Remediation
Status Date: 2004-11-03 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: YR
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303277T
LOC Case Number: 980441
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Preliminary site assessment workplan submitted
Case Number: 083303277T
Local Case Num: 980441
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported

THRIFTY OIL #344/ ARCO #9714 (Continued) **S103943693**

Cross Street: IOWA
Enf Type: Not reported
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global ID: T0606500545
How Stopped Date: Not reported
Enter Date: 11/6/1998
Review Date: Not reported
Prelim Assess: Not reported
Discover Date: 12/29/1997
Enforcement Date: Not reported
Close Date: Not reported
Workplan: 1/1/1965
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 11/6/1998
GW Qualifies: =
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9757246
Longitude: -117.3397409
MTBE Date: 9/1/2004
Max MTBE GW: 3.8
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: VJJ
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: USTS REPLACED MARCH/APRIL1998. REMOVED 842 TONS OF CONTAMINATED SOIL.

O79 **THRIFTY OIL #344 ARCO #9714** **LUST** **S104970881**
SE **1294 UNIVERSITY AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA**
0.370 mi.
1953 ft. **Site 5 of 5 in cluster O**

Relative:
Higher

Actual:
1000 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 980441
Site Closed: Not Closed
Date Closed: Not reported

578

THRIFTY OIL #344 ARCO #9714 (Continued) **S104970881**

Case Type: Drinking Water Aquifer affected
Site Number: RO6500545

P80 **DEVOE MARINE** **LUST** **1003050063**
NNW **2625 DURAHART ST** **N/A**
1/4-1/2 **RIVERSIDE, CA**
0.384 mi.
2030 ft. **Site 1 of 4 in cluster P**

Relative:
Lower

Actual:
914 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 89204
Site Closed: Referred to Water Board
Date Closed: 7/18/1991
Case Type: Ground water
Site Number: RO6599756

P81 **DEVOE MARINE COATINGS** **ENVIROSTOR** **S106044327**
NNW **2625 DURAHART STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92502**
0.384 mi.
2030 ft. **Site 2 of 4 in cluster P**

Relative:
Lower

Actual:
914 ft.

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Greg Holmes
Division Branch: Cypress
Facility ID: 33280153
Site Code: 400976
Assembly: 64
Senate: 31
Special Program: Not reported
Status: Refer: Other Agency
Status Date: 9/5/2003 0:00
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98718155
Longitude: -117.3521943
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10003, 10009
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 33280153
Alias Type: Envirostor ID Number
Alias Name: DEVOE MARINE COATINGS
Alias Type: Alternate Name
Alias Name: CAD097574073
Alias Type: EPA Identification Number

DEVOE MARINE COATINGS (Continued) **S106044327**

Alias Name: 400976
Alias Type: Project Code (Site Code)

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 2007-06-06 00:00:00
Comments: Site Screening approved by EPA. "OCA Start - RWQCB".

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 2002-09-23 00:00:00
Comments: Approved by U.S. EPA.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

P82 **DEVOE COATINGS** **CERCLIS** **1000332285**
NNW **2625 DURAHART ST** **RCRA-SQG** **CAD097574073**
1/4-1/2 **RIVERSIDE, CA 92507** **FINDS**
0.384 mi. **LUST**
2030 ft. **Site 3 of 4 in cluster P** **HIST UST**
HAZNET

Relative:
Lower

Actual:
914 ft.

CERCLIS:
Site ID: 0901689
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup

CERCLIS Site Contact Name(s):
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Carl Brickner
Contact Tel: (415) 972-3814
Contact Title: Site Assessment Manager (SAM)

Site Description: Archive status revoked per request from DTSC on 9/26/01. RWQCB is overseeing the site.

CERCLIS Assessment History:
Action: DISCOVERY
Date Started: Not reported

DEVOE COATINGS (Continued) **1000332285**

Date Completed: 10/26/90
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 04/27/93
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: PRELIMINARY ASSESSMENT
Date Started: 10/01/01
Date Completed: 09/23/02
Priority Level: Low priority for further assessment

Action: SITE REASSESSMENT
Date Started: Not reported
Date Completed: 06/06/07
Priority Level: Not reported

RCRA-SQG:
Date form received by agency: 10/12/2000
Facility name: DEVOE COATINGS
Site name: GLIDDEN CO DEVOE COATINGS COMPANY
Facility address: 2625 DURAHART STREET
RIVERSIDE, CA 92507
EPA ID: CAD097574073
Mailing address: 925 EUCLID AVENUE
CLEVELAND, OH 44115
Contact: MICHAEL THOMAS
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (216) 344-8987
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown

DEVOE COATINGS (Continued) **1000332285**

Used oil Specification marketer: Unknown
Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Verified to be non-commercial

Historical Generators:
Date form received by agency: 04/15/1999
Facility name: DEVOE COATINGS
Site name: GLIDDEN COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/12/1997
Facility name: DEVOE COATINGS
Classification: Small Quantity Generator

Date form received by agency: 03/12/1997
Facility name: DEVOE COATINGS
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: DEVOE COATINGS
Classification: Large Quantity Generator

Date form received by agency: 07/12/1996
Facility name: DEVOE COATINGS
Site name: DEVOE COATINGS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Facility name: DEVOE COATINGS
Site name: DEVOE COATINGS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 03/26/1992
Facility name: DEVOE COATINGS
Site name: DEVOE COATINGS COMPANY
Classification: Large Quantity Generator

Date form received by agency: 04/05/1990
Facility name: DEVOE COATINGS
Site name: DEVOE COATINGS COMPANY
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - FEA
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 08/10/1984
Date achieved compliance: 05/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

DEVOE COATINGS (Continued) **1000332285**

Paid penalty amount: Not reported

Regulation violated: F - FEA
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 05/09/1984
Date achieved compliance: 08/30/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/09/1984
Date achieved compliance: 08/30/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - FEA
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 05/09/1984
Date achieved compliance: 08/30/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/10/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/09/1984
Date achieved compliance: 08/30/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/16/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

DEVOE COATINGS (Continued) **1000332285**

Evaluation Action Summary:
Evaluation date: 02/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 08/10/1984
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 05/16/1994
Evaluation lead agency: State

Evaluation date: 05/09/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 08/30/1984
Evaluation lead agency: State

Evaluation date: 05/09/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/30/1984
Evaluation lead agency: State

FINDS:

Registry ID: 110000479580

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities,

DEVOE COATINGS (Continued) **1000332285**

and financial information.

LUST:
- Region: STATE
- Global Id: T0606500056
- Latitude: 33.988034
- Longitude: -117.351759
- Case Type: LUST Cleanup Site
- Status: Completed - Case Closed
- Status Date: 1997-06-17 00:00:00
- Lead Agency: SANTA ANA RWQCB (REGION 8)
- Case Worker: NOM
- Local Agency: RIVERSIDE COUNTY LOP
- RB Case Number: 083300500T
- LOC Case Number: 89204
- File Location: Not reported
- Potential Media Affect: Aquifer used for drinking water supply
- Potential Contaminants of Concern: * Chlorinated Hydrocarbons
- Site History: Not reported

LUST REG 8:
- Region: 8
- County: Riverside
- Regional Board: Santa Ana Region
- Facility Status: Case Closed
- Case Number: 083300500T
- Local Case Num: Not reported
- Case Type: Aquifer affected
- Substance: Chlorinated Hydrocarbons
- Qty Leaked: Not reported
- Abate Method: VEGTFP
- Cross Street: MASSACHUSETTS
- Enf Type: None Taken
- Funding: Not reported
- How Discovered: Not reported
- How Stopped: Not reported
- Leak Cause: Not reported
- Leak Source: Not reported
- Global ID: T0606500056
- How Stopped Date: Not reported
- Enter Date: 7/20/1987
- Review Date: Not reported
- Prelim Assess: Not reported
- Discover Date: Not reported
- Enforcement Date: 1/1/1965
- Close Date: 6/17/1997
- Workplan: Not reported
- Pollution Char: 1/17/1990
- Remed Plan: Not reported
- Remed Action: Not reported
- Monitoring: Not reported
- Enter Date: 7/20/1987
- GW Qualifies: Not reported
- Soil Qualifies: Not reported
- Operator: Not reported

DEVOE COATINGS (Continued) **1000332285**

- Facility Contact: Not reported
- Interim: Yes
- Oversite Program: LUST
- Latitude: 33.9881482
- Longitude: -117.3507515
- MTBE Date: Not reported
- Max MTBE GW: Not reported
- MTBE Concentration: 0
- Max MTBE Soil: Not reported
- MTBE Fuel: 0
- MTBE Tested: Not Required to be Tested.
- MTBE Class: *
- Staff: NOM
- Staff Initials: UNK
- Lead Agency: Regional Board
- Local Agency: 33000L
- Hydr Basin #: UPPER SANTA ANA VALL
- Beneficial: Not reported
- Priority: Not reported
- Cleanup Fund Id: Not reported
- Work Suspended: Not reported
- Summary: WP FOR ADDITIONAL SITE INVESTIGATION APPROVED 9/90. 8/96 - CONFIRMATION SAMPLING AND ONE ADDITIONAL WELL. TRACE OF FP IN ONE WELL - MONITORING FOR ONE YEAR AND WILL REVIEW AND MEET WITH DEVOE (5/97).

HIST UST:
- Region: STATE
- Facility ID: 00000008415
- Facility Type: Other
- Other Type: PAINT MANUFACTURER
- Total Tanks: 0007
- Contact Name: DAVID V. GARCIA
- Telephone: 7146866930
- Owner Name: GROW GROUP, INC.
- Owner Address: 200 PARK AVENUE, PAN AM BUILDI
- Owner City,St,Zip: NEW YORK, NY 10017

- Tank Num: 001
- Container Num: 1
- Year Installed: 1958
- Tank Capacity: 00002000
- Tank Used for: PRODUCT
- Type of Fuel: Not reported
- Tank Construction: Not reported
- Leak Detection: Pressure Test

- Tank Num: 002
- Container Num: SUMP #1
- Year Installed: Not reported
- Tank Capacity: 00000400
- Tank Used for: WASTE
- Type of Fuel: Not reported
- Tank Construction: 2 inches
- Leak Detection: Visual

- Tank Num: 003
- Container Num: 6

DEVOE COATINGS (Continued) **1000332285**

Year Installed: 1958
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Pressure Test

Tank Num: 004
Container Num: 5
Year Installed: 1958
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Pressure Test

Tank Num: 005
Container Num: 2
Year Installed: 1958
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Pressure Test

Tank Num: 006
Container Num: 3
Year Installed: 1958
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Pressure Test

Tank Num: 007
Container Num: 4
Year Installed: 1958
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Pressure Test

HAZNET:
Gepaid: CAD097574073
Contact: MIKE THOMAS - ENV SPEC
Telephone: 2163448987
Facility Addr2: Not reported
Mailing Name: RHONDA CROSS
Mailing Address: 925 EUCLID AVE STE 800 & 900
Mailing City,St,Zip: CLEVELAND, OH 441151487
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Riverside
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: 3.44

DEVOE COATINGS (Continued) **1000332285**

Facility County: Riverside

Gepaid: CAD097574073
Contact: ROBERT KOVALAK
Telephone: 4402978282
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 15885 WEST SPRAGUE RD
Mailing City,St,Zip: STRONGSVILLE, OH 44136
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: H039
Tons: 2.05
Facility County: Riverside

Gepaid: CAD097574073
Contact: ROBERT KOVALAK
Telephone: 4402978282
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 15885 WEST SPRAGUE RD
Mailing City,St,Zip: STRONGSVILLE, OH 441360000
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: H039
Tons: 1.6
Facility County: Riverside

Gepaid: CAD097574073
Contact: MIKE THOMAS - ENV SPEC
Telephone: 2163448987
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 925 EUCLID AVE STE 800 & 900
Mailing City,St,Zip: CLEVELAND, OH 441151487
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: 1.1
Facility County: Not reported

Gepaid: CAD097574073
Contact: MIKE THOMAS - ENV SPEC
Telephone: 2163448987
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 925 EUCLID AVE STE 800 & 900
Mailing City,St,Zip: CLEVELAND, OH 441151487
Gen County: Riverside
TSD EPA ID: CAD008302903
TSD County: Los Angeles

DEVOE COATINGS (Continued) **1000332285**

Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Tons: 1.25
Facility County: Riverside

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

P83 **LAUS INVESTMENT COMPANY** **LUST** **S102432541**
NNW **2620 DURAHART ST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.386 mi.
2036 ft. **Site 4 of 4 in cluster P**

Relative:
Lower

Actual:
914 ft.

LUST:

Region:	STATE
Global Id:	T0606500074
Latitude:	33.9881722
Longitude:	-117.3504845
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1989-04-04 00:00:00
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	UNK
Local Agency:	RIVERSIDE COUNTY LOP
RB Case Number:	083300662T
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST REG 8:

Region:	8
County:	Riverside
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083300662T
Local Case Num:	Not reported
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	MASSACHUSETTS
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global ID:	T0606500074
How Stopped Date:	Not reported
Enter Date:	10/15/1987
Review Date:	Not reported
Prelim Assess:	Not reported
Discover Date:	Not reported
Enforcement Date:	Not reported

LAUS INVESTMENT COMPANY (Continued) **S102432541**

Close Date:	4/4/1989
Workplan:	Not reported
Pollution Char:	10/15/1987
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Enter Date:	10/15/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.9881722
Longitude:	-117.3504845
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	PAH
Staff Initials:	UNK
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	Not reported

84 **J.D. DIFFENBRUGH** **Notify 65** **U000034633**
North **2375 CHICAGO STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 90040**
0.407 mi.
2150 ft.

Relative:
Lower

Actual:
930 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	90040

Q85
SE
1/4-1/2
0.423 mi.
2235 ft.

Relative:
Higher

Actual:
1007 ft.

TEXACO SERVICE STATION
1221 UNIVERSITY AVE
RIVERSIDE, CA 92507

Site 1 of 2 in cluster Q

HIST CORTESE
LUST
CA FID UST
SWEEPS UST

S101590154
N/A

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083302877T

LUST:
Region: STATE
Global Id: T0606500471
Latitude: 33.9757979
Longitude: -117.3398577
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 1997-07-28 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: SCB
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083302877T
LOC Case Number: 960698
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083302877T
Local Case Num: 960698
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Cross Street: IOWA
Enf Type: CLOS
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606500471
How Stopped Date: 10/16/1986
Enter Date: 9/16/1996
Review Date: 7/3/1996
Prelim Assess: Not reported
Discover Date: 7/3/1996
Enforcement Date: Not reported
Close Date: 7/28/1997
Workplan: Not reported

TEXACO SERVICE STATION (Continued) **S101590154**

Pollution Char: 6/21/1996
Remed Plan: 8/20/1996
Remed Action: 10/11/1996
Monitoring: 4/30/1997
Enter Date: 9/16/1996
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9757476
Longitude: -117.3379649
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: RS
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 200117614
Site Closed: Yes
Date Closed: 6/17/2003
Case Type: Soil only
Site Number: RO6600514

Region: RIVERSIDE
Facility ID: 200218406
Site Closed: Referred to Water Board
Date Closed: 4/15/2003
Case Type: Drinking Water Aquifer affected
Site Number: RO6600536

CA FID UST:
Facility ID: 33004934
Regulated By: UTNKA
Regulated ID: 00007317
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7147885275
Mail To: Not reported
Mailing Address: 299 W FOOTHILL BLVD
Mailing Address 2: Not reported

TEXACO SERVICE STATION (Continued) **S101590154**

Mailing City,St,Zip: RIVERSIDE 92504
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 7317
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001008
Swrcb Tank Id: 33-000-007317-000002
Actv Date: 11-19-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 7317
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001008
Swrcb Tank Id: 33-000-007317-000003
Actv Date: 11-19-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 7317
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001008
Swrcb Tank Id: 33-000-007317-000004
Actv Date: 11-19-92
Capacity: 10000
Tank Use: M.V. FUEL

TEXACO SERVICE STATION (Continued) **S101590154**

Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 7317
Number: 1
Board Of Equalization: 44-000217
Ref Date: 11-19-92
Act Date: 11-19-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 001008
Swrcb Tank Id: 33-000-007317-000005
Actv Date: 11-19-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Q86 **TEXACO** **LUST** **S104970860**
SE **1221 UNIVERSITY AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA**
0.423 mi.
2235 ft. **Site 2 of 2 in cluster Q**

Relative:
Higher

Actual:
1007 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 960698
Site Closed: Yes
Date Closed: 7/28/1997
Case Type: Soil only
Site Number: RO6600275

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87 **LUXFER GAS CYLINDERS** **SLIC** **S106487195**
West **1995 THIRD STREET** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.428 mi.
2260 ft.

Relative:
Lower

Actual:
910 ft.

SLIC:
Region: STATE
Facility Status: **Open - Verification Monitoring**
Status Date: Not reported
Global Id: SL0606583253
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 33.984668999999997
Longitude: -117.353859
Case Type: Cleanup Program Site
Case Worker: WDM
Local Agency: Not reported
RB Case Number: LGC_RIV
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil

LUXFER GAS CYLINDERS (Continued) **S106487195**

Potential Contaminants of Concern: Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Lead, Other Metal, Diesel, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating

Site History: Primary UST Area - On September 17, 2002, a UST was discovered at the Luxfer facility during installation of a new sewer line. The UST was located in an asphalt paved area between Buildings 2 and 3. The 2,OOO-gallon UST was six feet in diameter, 24 feet i

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88 **FOOD 4 LESS #329** **SWRCY S108937674**
South **3900 CHICAGO AVE** **HAZNET N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.463 mi.
2442 ft.

Relative:
Higher

Actual:
962 ft.

SWRCY:

Certification Status:	O
Facility Phone Number:	Not reported
Date facility became certified:	12/28/2007
Date facility began operating:	1/29/2008
Date facility ceased operating:	Still operating
Whether The Facility Is Grandfathered:	Not reported
Convenience Zone Where Faciltiy Located:	1684
Convenience Zone Where Faciltiy Located 2:	4228
Convenience Zone Where Faciltiy Located 3:	Not Accepted
Convenience Zone Where Faciltiy Located 4:	Not Accepted
Convenience Zone Where Faciltiy Located 5:	Not Accepted
Convenience Zone Where Faciltiy Located 6:	Not Accepted
Convenience Zone Where Faciltiy Located 7:	Not Accepted
Aluminum Beverage Containers Redeemed:	AL
Glass Beverage Containers Redeemed:	GL
Plastic Beverage Containers Redeemed:	PL
Other mat beverage containers redeemed:	Not reported
Refillable Beverage Containers Redeemed:	Not reported

HAZNET:

Gepaid:	CAL000320529
Contact:	GAYEANN DENHAM
Telephone:	3109003284
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1100 W ARTESIA BLVD
Mailing City,St,Zip:	COMPTON, CA 902200000
Gen County:	Riverside
TSD EPA ID:	OHD083377010
TSD County:	Not reported
Waste Category:	Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
Disposal Method:	H071
Tons:	0.0065
Facility County:	Riverside

Gepaid:	CAL000320529
Contact:	GAYEANN DENHAM
Telephone:	3109003284
Facility Addr2:	Not reported
Mailing Name:	Not reported

FOOD 4 LESS #329 (Continued) **S108937674**

Mailing Address:	1100 W ARTESIA BLVD
Mailing City,St,Zip:	COMPTON, CA 902200000
Gen County:	Riverside
TSD EPA ID:	OHD083377010
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	H141
Tons:	0.0045
Facility County:	Riverside

Gepaid:	CAL000320529
Contact:	GAYEANN DENHAM
Telephone:	3109003284
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1100 W ARTESIA BLVD
Mailing City,St,Zip:	COMPTON, CA 902200000
Gen County:	Riverside
TSD EPA ID:	OHD083377010
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Not reported
Tons:	0.008
Facility County:	Riverside

R89 **J D DIFFENBAUGH** **LUST S103820782**
North **2375 CHICAGO AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA**
0.467 mi.
2468 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
918 ft.

RIVERSIDE CO. LUST:

Region:	RIVERSIDE
Facility ID:	89318
Site Closed:	Yes
Date Closed:	8/1/1989
Case Type:	Soil only
Site Number:	RO6599772

R90 **DIFFENBAUGH, J.D.** **LUST S102428811**
North **2375 CHICAGO AVE** **CDL N/A**
1/4-1/2 **RIVERSIDE, CA 92507**
0.467 mi.
2468 ft. **Site 2 of 2 in cluster R**

Relative:
Lower

Actual:
918 ft.

LUST:

Region:	STATE
Global Id:	T0606500121
Latitude:	33.989581
Longitude:	-117.348962
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	1989-08-02 00:00:00
Lead Agency:	RIVERSIDE COUNTY LOP
Case Worker:	SCB
Local Agency:	RIVERSIDE COUNTY LOP

DIFFENBAUGH, J.D. (Continued) **S102428811**

RB Case Number: 083301198T
LOC Case Number: 89318
File Location: Local Agency Warehouse
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083301198T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: SPRUCE
Enf Type: CLOS
Funding: State Funds
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Overfill
Leak Source: Tank
Global ID: T0606500121
How Stopped Date: 4/10/1989
Enter Date: Not reported
Review Date: Not reported
Prelim Assess: 7/24/1989
Discover Date: 4/10/1989
Enforcement Date: 1/1/1965
Close Date: 8/14/1989
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: Not reported
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Yes
Oversite Program: LUST
Latitude: 33.9896292
Longitude: -117.3486155
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: PAH
Staff Initials: UNK
Lead Agency: Local Agency

DIFFENBAUGH, J.D. (Continued) **S102428811**

Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CDL:
Facility ID: 200105017
Lab Type: Abandoned Drug Lab Waste (A) - location away from an actual illegal drug lab where drug lab waste and/or equipment were abandoned.

S91 **MOBIL #18-402** **HIST CORTESE** **S101589937**
ESE **1147 UNIVERSITY AVE** **LUST** **N/A**
1/4-1/2 **RIVERSIDE, CA 92507** **CA FID UST**
0.494 mi. **SWEEPS UST**
2608 ft. **Site 1 of 2 in cluster S** **HAZNET**

Relative:
Higher

Actual:
1016 ft.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303453T

LUST:
Region: STATE
Global Id: T0606500586
Latitude: 33.9757296
Longitude: -117.3358158
Case Type: LUST Cleanup Site
Status: Open - Verification Monitoring
Status Date: 2007-03-27 00:00:00
Lead Agency: RIVERSIDE COUNTY LOP
Case Worker: YR
Local Agency: RIVERSIDE COUNTY LOP
RB Case Number: 083303453T
LOC Case Number: 9914834
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Pollution Characterization
Case Number: 083303453T
Local Case Num: 9914834
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: I-215
Enf Type: Not reported

MOBIL #18-402 (Continued) **S101589937**

Funding: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global ID: T0606500586
How Stopped Date: 10/22/1998
Enter Date: 5/12/1999
Review Date: 12/30/1998
Prelim Assess: 12/5/2000
Discover Date: 1/7/1999
Enforcement Date: Not reported
Close Date: Not reported
Workplan: Not reported
Pollution Char: 3/13/2001
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 5/12/1999
GW Qualifies: =
Soil Qualifies: =
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9757296
Longitude: -117.3358158
MTBE Date: 11/28/2001
Max MTBE GW: 9.4
MTBE Concentration: 1
Max MTBE Soil: 330
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class: *
Staff: RS
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

CA FID UST:
Facility ID: 33001427
Regulated By: UTNKA
Regulated ID: 00039266
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146839434
Mail To: Not reported
Mailing Address: 3225 GALLOWS RD
Mailing Address 2: Not reported
Mailing City,St,Zip: RIVERSIDE 92507
Contact: Not reported

MOBIL #18-402 (Continued) **S101589937**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 39266
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000727
Swrcb Tank Id: 33-000-039266-000001
Actv Date: 11-17-92
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 39266
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000727
Swrcb Tank Id: 33-000-039266-000002
Actv Date: 11-17-92
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Status: A
Comp Number: 39266
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000727
Swrcb Tank Id: 33-000-039266-000003
Actv Date: 11-17-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED

MOBIL #18-402 (Continued) **S101589937**

Number Of Tanks: Not reported

Status: A
Comp Number: 39266
Number: 1
Board Of Equalization: 44-000400
Ref Date: 11-17-92
Act Date: 11-17-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 000727
Swrcb Tank Id: 33-000-039266-000004
Actv Date: 11-17-92
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HAZNET:
Gepaid: CAL000055820
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Facility Addr2: Not reported
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000
Gen County: Riverside
TSD EPA ID: CAD045226370
TSD County: Riverside
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: 0.25
Facility County: Riverside

Gepaid: CAL000055820
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Facility Addr2: Not reported
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Riverside
Waste Category: Unspecified aqueous solution
Disposal Method: Treatment, Tank
Tons: 1.37
Facility County: Riverside

Gepaid: CAL000055820
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Facility Addr2: Not reported
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000

MOBIL #18-402 (Continued) **S101589937**

Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Riverside
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Transfer Station
Tons: 0.68
Facility County: Riverside

Gepaid: CAL000055820
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Facility Addr2: Not reported
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Riverside
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: 1.2
Facility County: Riverside

Gepaid: CAL000055820
Contact: DALE VIATOR, ENVT'L ADVISOR
Telephone: 2816548470
Facility Addr2: Not reported
Mailing Name: VEEDER-ROOT CMS
Mailing Address: 16825 NORTHCHASE DRIVE RM 911
Mailing City,St,Zip: HOUSTON, TX 770600000
Gen County: Riverside
TSD EPA ID: CAD028409019
TSD County: Riverside
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Tons: 0.41
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

S92 **MOBIL #18-402** **LUST** **S104970912**
ESE **1147 UNIVERSITY AVE** **N/A**
1/4-1/2 **RIVERSIDE, CA**
0.494 mi.
2608 ft. **Site 2 of 2 in cluster S**

Relative:
Higher

Actual:
1016 ft.

RIVERSIDE CO. LUST:
Region: RIVERSIDE
Facility ID: 9914834
Site Closed: Not Closed
Date Closed: Not reported
Case Type: Drinking Water Aquifer affected
Site Number: RO6500586

93
WNW
1/2-1
0.533 mi.
2812 ft.

"ALCAN, INC."
3016 KANSAS AV
RIVERSIDE, CA 92507

ENVIROSTOR **S107735816**
N/A

Relative:
Lower

Actual:
898 ft.

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 8 - Santa Ana, US EPA
Lead Agency:	RWQCB 8 - Santa Ana
Program Manager:	Not reported
Supervisor:	Greg Holmes
Division Branch:	Cypress
Facility ID:	60000212
Site Code:	Not reported
Assembly:	64
Senate:	31
Special Program:	EPA - PASI
Status:	Inactive - Needs Evaluation
Status Date:	3/6/2006 0:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.98563379
Longitude:	-117.3549701
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC:	30022, 3002502, 30027, 30192
Confirmed COC:	3,002,230,027,301,920,000,000
Potential Description:	OTH, SOIL
Alias Name:	60000212
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	2006-06-13 00:00:00
Comments:	EPA approval June 13,2006, concurrence that further action is required.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

94
NNE
1/2-1
0.584 mi.
3084 ft.

VALERION CORPORATION
2280 IOWA
RIVERSIDE, CA 92507

HIST CORTESE **S100201826**
ENVIROSTOR **N/A**

Relative:
Higher

Actual:
962 ft.

CORTESE:

Region:	CORTESE
Facility County Code:	33
Reg By:	CALSI
Reg Id:	33280139

ENVIROSTOR:

Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* MMONROY
Division Branch:	Cypress
Facility ID:	33280139
Site Code:	Not reported
Assembly:	64
Senate:	31
Special Program:	Not reported
Status:	Refer: Other Agency
Status Date:	8/12/1988 0:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.99083333
Longitude:	-117.3394444
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	10034, 10196, 10197, 10198
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	GTE-VALERION.
Alias Type:	Alternate Name
Alias Name:	CAD980884415
Alias Type:	EPA Identification Number
Alias Name:	33280139
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	1994-10-25 00:00:00
Comments:	CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	1988-08-12 00:00:00
Comments:	SITE SCREENING DONE NFA UNDER CERCLA RECOMMENDED BY FIT NFA UNDER SITE MITIGATION

VALERION CORPORATION (Continued) **S100201826**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-06-01 00:00:00
Comments: SOURCE ACT: T/C W/ E.SANTIMAW,GTE-VALERI (714)781-4382, 6/26/84 - MFG TUNGSTEN CARBIDE TOOLING. WASTE: METAL FILING, HEPTANE, OIL GRINDING SLUDGE,GRAPHITE. FAC TYPE: CTY OF RIVERSIDE INTER OFFICE MEMO, 1/15/81 - ILLEGAL DUMP OF OIL IN 2 AREAS. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1983-03-22 00:00:00
Comments: FACILITY IDENTIFIED ID FROM RWQCB COMPLAINTS 1980 FILE. CHEM BEING DISPOSED OF IN A PIT BEHIND PLANT. NOT KNOWN IF THE PIT IS LINED OR SPECIFIC CHEM USED. INSPECTOR REP: NO PROB EVIDENT AT SITE. COMPLAINT APPEARS TO BE UNFOUND.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

95
WNW
1/2-1
0.590 mi.
3114 ft.

LEWIS, A.M. **Notify 65** **S100179035**
2727 KANSAS AVENUE **N/A**
RIVERSIDE, CA 90040

Relative:
Lower

Actual:
891 ft.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 90040

96
NNW
1/2-1
0.705 mi.
3722 ft.

HARRIS FENCE COMPANY **HIST CORTESE** **S100231547**
715 LA CADENA DR **LUST** **N/A**
RIVERSIDE, CA 92503 **Notify 65**

Relative:
Lower

Actual:
901 ft.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083301299T

HARRIS FENCE COMPANY (Continued) **S100231547**

LUST REG 8:
Region: 8
County: Riverside
Regional Board: Santa Ana Region
Facility Status: Case Closed
Case Number: 083301299T
Local Case Num: Not reported
Case Type: Soil only
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Cross Street: SAN REMO
Enf Type: CLOS
Funding: State Funds
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Corrosion
Leak Source: Tank
Global ID: T0606500150
How Stopped Date: 6/7/1989
Enter Date: 9/8/1989
Review Date: Not reported
Prelim Assess: 8/3/1989
Discover Date: 6/7/1989
Enforcement Date: 1/1/1965
Close Date: 6/25/1990
Workplan: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Enter Date: 9/8/1989
GW Qualifies: Not reported
Soil Qualifies: Not reported
Operator: Not reported
Facility Contact: Not reported
Interim: Not reported
Oversite Program: LUST
Latitude: 33.9153025
Longitude: -117.4577411
MTBE Date: Not reported
Max MTBE GW: Not reported
MTBE Concentration: 0
Max MTBE Soil: Not reported
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class: *
Staff: PAH
Staff Initials: UNK
Lead Agency: Local Agency
Local Agency: 33000L
Hydr Basin #: UPPER SANTA ANA VALL
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Summary: Not reported

HARRIS FENCE COMPANY (Continued) **S100231547**

RIVERSIDE CO. LUST:
- Region: RIVERSIDE
- Facility ID: 89725
- Site Closed: Yes
- Date Closed: 6/25/1990
- Case Type: Soil only
- Site Number: RO6599798

Notify 65:
- Date Reported: Not reported
- Staff Initials: Not reported
- Board File Number: Not reported
- Facility Type: Not reported
- Discharge Date: Not reported
- Incident Description: 90040

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97 ESE 1/2-1 0.794 mi. 4194 ft.

Relative: Higher

Actual: 1033 ft.

UNIVERSITY OF CA RIVERSIDE **RCRA-TSDF 1000431600**
RIVERSIDE CAMPUS **CERC-NFRAP CAD073134777**
RIVERSIDE, CA 92521 **CORRACTS**
RCRA-LQG
FINDS
RAATS
HAZNET
ENVIROSTOR
HWP

RCRA-TSDF:
- Date form received by agency: 02/27/2008
- Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
- Facility address: 900 UNIVERSITY AVENUE
  RIVERSIDE, CA 92521
- EPA ID: CAD073134777
- Contact: EDUARDO TRUJILLO
- Contact address: Not reported
  Not reported
- Contact country: Not reported
- Contact telephone: (951) 827-4248
- Contact email: ED.TRUJILLO@UCR.EDU
- EPA Region: 09
- Land type: Private
- Classification: TSDF
- Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
- TSD commencement date: Not reported
- Classification: Large Quantity Generator
- Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Owner/Operator Summary:
- Owner/operator name: REGENTS UC
- Owner/operator address: 900 UNIVERSITY AVENUE
  RIVERSIDE, CA 92521
- Owner/operator country: US
- Owner/operator telephone: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: 01/01/1948
- Owner/Op end date: Not reported

- Owner/operator name: UNIVERSITY OF CALIFORNIA RIVERSIDE
- Owner/operator address: Not reported
  Not reported
- Owner/operator country: US
- Owner/operator telephone: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: 01/01/1990
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No
- Off-site waste receiver: Commercial status unknown

Universal Waste Summary:
- Waste type: Batteries
- Accumulated waste on-site: No
- Generated waste on-site: Not reported

- Waste type: Lamps
- Accumulated waste on-site: No
- Generated waste on-site: Not reported

- Waste type: Pesticides
- Accumulated waste on-site: No
- Generated waste on-site: Not reported

- Waste type: Thermostats
- Accumulated waste on-site: No
- Generated waste on-site: Not reported

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Historical Generators:
Date form received by agency: 02/27/2006
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 03/24/2004
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Site name: UNIVERSITY OF CALIFORNIA, RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 04/01/1996
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Site name: UNIVERSITY OF CALIFORNIA, RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Site name: UNIVERSITY OF CALIFORNIA, RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Site name: UNIVERSITY OF CALIFORNIA RIVER
Classification: Large Quantity Generator

Date form received by agency: 04/13/1990
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Facility name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004
Waste name: ARSENIC

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D010
Waste name: SELENIUM

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D022
Waste name: CHLOROFORM

Waste code: D023
Waste name: O-CRESOL

Waste code: D024
Waste name: M-CRESOL

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Waste code: D028
Waste name: 1,2-DICHLOROETHANE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P020
Waste name: DINOSEB

Waste code: P022
Waste name: CARBON DISULFIDE

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P105
Waste name: SODIUM AZIDE

Waste code: P106
Waste name: SODIUM CYANIDE

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Waste code: P120
Waste name: VANADIUM OXIDE V2O5

Waste code: U002
Waste name: ACETONE (I)

Waste code: U006
Waste name: ACETYL CHLORIDE (C,R,T)

Waste code: U007
Waste name: ACRYLAMIDE

Waste code: U019
Waste name: BENZENE (I,T)

Waste code: U031
Waste name: 1-BUTANOL (I)

Waste code: U044
Waste name: CHLOROFORM

Waste code: U052
Waste name: CRESOL (CRESYLIC ACID)

Waste code: U072
Waste name: BENZENE, 1,4-DICHLORO-

Waste code: U078
Waste name: 1,1-DICHLOROETHYLENE

Waste code: U080
Waste name: METHANE, DICHLORO-

Waste code: U081
Waste name: 2,4-DICHLOROPHENOL

Waste code: U103
Waste name: DIMETHYL SULFATE

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)

Waste code: U130
Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: U138
Waste name: METHANE, IODO-

Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Waste code: U154
Waste name: METHANOL (I)

Waste code: U161
Waste name: METHYL ISOBUTYL KETONE (I)

Waste code: U169
Waste name: BENZENE, NITRO-

Waste code: U188
Waste name: PHENOL

Waste code: U210
Waste name: ETHENE, TETRACHLORO-

Waste code: U211
Waste name: CARBON TETRACHLORIDE

Waste code: U217
Waste name: NITRIC ACID, THALLIUM(1+) SALT

Waste code: U220
Waste name: BENZENE, METHYL-

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)

Waste code: U353
Waste name: BENZENAMINE, 4-METHYL-

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 158152.5

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 211678.2

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES

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WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 85779

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 85653

Waste code: D005
Waste name: BARIUM
Amount (Lbs): 138340.8

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 86086

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 85653

Waste code: D008
Waste name: LEAD
Amount (Lbs): 86718

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 86086

Waste code: D010
Waste name: SELENIUM
Amount (Lbs): 85653

Waste code: D011
Waste name: SILVER
Amount (Lbs): 162182.6

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 85653

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 86086

Waste code: D023
Waste name: O-CRESOL
Amount (Lbs): 85653

Waste code: D024
Waste name: M-CRESOL
Amount (Lbs): 85653

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE
Amount (Lbs): 85653

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Waste code: D028
Waste name: 1,2-DICHLOROETHANE
Amount (Lbs): 85653

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 85653

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 86086

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 85653

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 85653

Waste code: P105
Waste name: SODIUM AZIDE
Amount (Lbs): 85653

Waste code: U002
Waste name: ACETONE (I)
Amount (Lbs): 85653

Waste code: U006
Waste name: ACETYL CHLORIDE (C,R,T)
Amount (Lbs): 85653

Waste code: U007

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Waste name: ACRYLAMIDE
Amount (Lbs): 85653

Waste code: U019
Waste name: BENZENE (I,T)
Amount (Lbs): 85653

Waste code: U031
Waste name: 1-BUTANOL (I)
Amount (Lbs): 85653

Waste code: U044
Waste name: CHLOROFORM
Amount (Lbs): 85653

Waste code: U052
Waste name: CRESOL (CRESYLIC ACID)
Amount (Lbs): 85653

Waste code: U072
Waste name: BENZENE, 1,4-DICHLORO-
Amount (Lbs): 85653

Waste code: U078
Waste name: 1,1-DICHLOROETHYLENE
Amount (Lbs): 227

Waste code: U080
Waste name: METHANE, DICHLORO-
Amount (Lbs): 85653

Waste code: U081
Waste name: 2,4-DICHLOROPHENOL
Amount (Lbs): 85653

Waste code: U103
Waste name: DIMETHYL SULFATE
Amount (Lbs): 85653

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)
Amount (Lbs): 85653

Waste code: U130
Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-
Amount (Lbs): 85653

Waste code: U133
Waste name: HYDRAZINE (R,T)
Amount (Lbs): 85653

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)
Amount (Lbs): 85653

Waste code: U138
Waste name: METHANE, IODO-

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Amount (Lbs): 85653

Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)
Amount (Lbs): 85653

Waste code: U154
Waste name: METHANOL (I)
Amount (Lbs): 85653

Waste code: U161
Waste name: METHYL ISOBUTYL KETONE (I)
Amount (Lbs): 85653

Waste code: U169
Waste name: BENZENE, NITRO-
Amount (Lbs): 85653

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 85653

Waste code: U210
Waste name: ETHENE, TETRACHLORO-
Amount (Lbs): 85653

Waste code: U211
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 85653

Waste code: U217
Waste name: NITRIC ACID, THALLIUM(1+) SALT
Amount (Lbs): 85653

Waste code: U220
Waste name: BENZENE, METHYL-
Amount (Lbs): 85653

Waste code: U239
Waste name: BENZENE, DIMETHYL- (I,T)
Amount (Lbs): 85653

Corrective Action Summary:

Event date: 07/01/1985
Event: CA029ST

Event date: 07/01/1985
Event: CA074ME

Event date: 07/01/1985
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 07/01/1985
Event: CA049PA

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Event date: 01/06/1989
Event: CMS Imposition

Event date: 01/06/1989
Event: RFI Imposition

Event date: 07/20/1990
Event: CA049SI

Event date: 12/01/1990
Event: Stabilization Measures Implemented, Primary measure is exposure control by barrier and/or institutional control (e.g., capping, fencing, deed restrictions).

Event date: 12/31/1990
Event: Stabilization Construction Completed

Event date: 03/15/1994
Event: RFI Workplan Approved

Event date: 05/23/1994
Event: Stabilization Measures Evaluation,This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.

Event date: 05/23/1994
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 10/10/1995
Event: CMS Approved

Event date: 10/10/1995
Event: RFI Approved

Event date: 10/10/1995
Event: CMS Workplan Approved

Event date: 05/16/1996
Event: Date For Remedy Selection (CM Imposed)

Event date: 09/06/1996
Event: CMI Workplan Approved

Event date: 09/06/1996
Event: Corrective Measures Design Approved

Event date: 03/30/1998
Event: RFA Completed, Assessment was an RFA.

Event date: 06/03/1998
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the

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migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 06/03/1998
Event: CA Responsibility Referred To A Non-RCRA Federal Authority

Event date: 06/03/1998
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 06/03/1998
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: Not reported
Event: CA03192

Facility Has Received Notices of Violations:
Regulation violated: - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/30/2002
Date achieved compliance: 07/30/2002
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 07/30/2002
Date achieved compliance: 07/30/2002
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported

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Paid penalty amount: Not reported

Regulation violated: - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/30/2002
Date achieved compliance: 07/30/2002
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 07/30/2002
Date achieved compliance: 07/30/2002
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/30/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 06/22/1991
Date achieved compliance: 10/21/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 06/22/1991
Date achieved compliance: 10/21/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

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Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 06/22/1991
Date achieved compliance: 10/21/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 06/22/1991
Date achieved compliance: 10/21/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 06/27/1990
Date achieved compliance: 04/30/1991
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 76800
Final penalty amount: 76800
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 06/27/1990
Date achieved compliance: 04/30/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/15/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270

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Area of violation: TSD - General
Date violation determined: 09/11/1989
Date achieved compliance: 04/30/1991
Violation lead agency: EPA
Enforcement action: EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement action date: 11/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 09/11/1989
Date achieved compliance: 04/30/1991
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/13/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 09/11/1989
Date achieved compliance: 04/30/1991
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/09/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 76800
Final penalty amount: 76800
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 09/15/1988
Date achieved compliance: 05/20/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/14/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure

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Date violation determined: 09/15/1988
Date achieved compliance: 05/20/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/14/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/05/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/01/2004
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/01/2004
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/30/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 07/30/2002
Evaluation lead agency: EPA

Evaluation date: 04/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 04/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/21/1991
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 04/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/21/1991
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

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Area of violation: TSD - General
Date achieved compliance: 04/30/1991
Evaluation lead agency: EPA

Evaluation date: 09/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/30/1991
Evaluation lead agency: EPA

Evaluation date: 09/15/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 05/20/1989
Evaluation lead agency: EPA

Evaluation date: 09/15/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/20/1989
Evaluation lead agency: EPA

CERC-NFRAP:
Site ID: 0901566
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):
Contact Title: Not reported
Contact Name: Carl Brickner
Contact Tel: (415) 972-3814

Contact Title: Not reported
Contact Name: Brunilda Davila
Contact Tel: (415) 972-3162

Contact Title: Not reported
Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095

Contact Title: Not reported
Contact Name: Karen Jurist
Contact Tel: (415) 972-3219

Contact Title: Not reported
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: AGRICULTURAL OPER DUMPSITE
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY

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Date Started: Not reported
Date Completed: 08/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 04/01/1985
Date Completed: 07/01/1985
Priority Level: Low priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 09/01/1986
Priority Level: Higher priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 07/20/1990
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 07/20/1990
Priority Level: NFRAP: No further Remedial Action planned

CORRACTS:

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 01/06/1989
Action: CA250 - CMS Imposition
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 01/06/1989
Action: CA100 - RFI Imposition
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 03/15/1994
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 03/30/1998
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 05/16/1996
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 05/23/1994
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 05/23/1994
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 06/03/1998
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations
NAICS Code(s): 61131

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Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 06/03/1998
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 06/03/1998
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 06/03/1998
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 07/01/1985
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 09/06/1996
Action: CA450 - Corrective Measures Design Approved
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 09/06/1996
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 10/10/1995
Action: CA350 - CMS Approved
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 10/10/1995
Action: CA200 - RFI Approved
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 10/10/1995
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 12/01/1990
Action: CA600EC - Stabilization Measures Implemented, Primary measure is exposure control by barrier and/or institutional control
NAICS Code(s): 61131
Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD073134777
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 12/31/1990
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 61131

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Colleges, Universities, and Professional Schools
Original schedule date: Not reported
Schedule end date: Not reported

FINDS:

Registry ID: 110000609761

Environmental Interest/Information System
US Geographic Names Information System (GNIS) is the official vehicle for geographic names used by the federal government and the source for applying geographic names to federal maps and other printed and electronic documents.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

HAZNET:
Gepaid: CAD073134777
Contact: UNIV OF CA
Telephone: 9097875518
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 900 UNIVERSITY AVE
Mailing City,St,Zip: RIVERSIDE, CA 925210306
Gen County: Riverside
TSD EPA ID: CAD050806850

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

TSD County: Los Angeles
Waste Category: Paint sludge
Disposal Method: Recycler
Tons: .2000
Facility County: Riverside

Gepaid: CAD073134777
Contact: UNIV OF CA
Telephone: 9097875518
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 900 UNIVERSITY AVE
Mailing City,St,Zip: RIVERSIDE, CA 925210306
Gen County: Riverside
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: .0060
Facility County: Riverside

Gepaid: CAD073134777
Contact: UNIV OF CA
Telephone: 9097875518
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 900 UNIVERSITY AVE
Mailing City,St,Zip: RIVERSIDE, CA 925210306
Gen County: Riverside
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Treatment, Tank
Tons: .0430
Facility County: Riverside

Gepaid: CAD073134777
Contact: UNIV OF CA
Telephone: 9097875518
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 900 UNIVERSITY AVE
Mailing City,St,Zip: RIVERSIDE, CA 925210306
Gen County: Riverside
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: Recycler
Tons: 4.3135
Facility County: Riverside

Gepaid: CAD073134777
Contact: UNIV OF CA
Telephone: 9097875518
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 900 UNIVERSITY AVE

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Mailing City,St,Zip: RIVERSIDE, CA 925210306
Gen County: Riverside
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals
Disposal Method: Treatment, Tank
Tons: .0160
Facility County: Riverside

Click this hyperlink while viewing on your computer to access
393 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: MBR
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cypress
Facility ID: 80001663
Site Code: Not reported
Assembly: 64
Senate: 64
Special Program: Not reported
Status: * Inactive
Status Date: 1/1/2008 0:00
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.9754
Longitude: -117.323997
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 80001663
Alias Type: Envirostor ID Number
Alias Name: CAD073134777
Alias Type: EPA Identification Number

Completed Info:
Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Preliminary Assessment Report
Completed Date: 1985-07-01 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Design/Implementation Workplan
Completed Date: 1996-09-06 00:00:00
Comments: Not reported

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Corrective Measures Study Report
Completed Date: 1995-10-10 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RFI Report
Completed Date: 1995-10-10 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RFI Workplan
Completed Date: 1994-03-15 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 1996-09-06 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Preliminary Assessment Report
Completed Date: 1990-07-20 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 1995-10-10 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Implementation Report
Completed Date: 1990-12-31 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Workplan
Completed Date: 1990-12-01 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 1998-03-30 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Questionnaire

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Completed Date: 1994-05-23 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Interim Measures Questionnaire
Completed Date: 1998-06-03 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 1996-05-16 00:00:00
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: ENTIRE FACILITY
Completed Document Type: Consent Agreement
Completed Date: 1989-11-06 00:00:00
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
EPA Id: CAD073134777
Latitude: 33.9754
Longitude: -117.323997
Facility Type: HAZ WASTE - UNDERGOING CLOSURE
Cleanup Status: Not reported
Region: CYPRESS, GEOLOGY CAL SUPPORT
Permit Maintenance Lead: Not reported
Permit Renewal Lead: Not reported
Corrective Action Lead: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: Not reported
Senate District: Not reported
Public Information Officer: Not reported
Facility Status: Not reported
Site History: Not reported

HWP:
EPA Id: CAD073134777
Unit Names: CONTAIN1, WASTPILE1
Event Description: Initial Submittal
Actual Date: 1980-11-17 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777

UNIVERSITY OF CA RIVERSIDE (Continued) **1000431600**

Unit Names: CONTAIN1, WASTPILE1
Event Description: INTENDS/CLOSED ALL WASTE HANDLING FACILITY
Actual Date: 1989-02-23 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1, WASTPILE1
Event Description: Notice of Deficiency
Actual Date: 1988-09-29 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1, WASTPILE1
Event Description: Part A Determination
Actual Date: 1981-10-02 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1, WASTPILE1
Event Description: Approved Request
Actual Date: 1990-12-14 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1, WASTPILE1
Event Description: Part B Call-In
Actual Date: 1982-11-15 00:00:00
Doc Comments: Not reported

HWP:
EPA Id: CAD073134777
Unit Names: CONTAIN1
Event Description: Receive Closure Certification
Actual Date: 1991-06-12 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1
Event Description: Public Notice - Closure
Actual Date: 1990-05-21 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1
Event Description: Clean Closure Acceptable
Actual Date: 1992-02-04 00:00:00
Doc Comments: Not reported

EPA Id: CAD073134777
Unit Names: CONTAIN1
Event Description: Notice of Deficiency - Closure Plan
Actual Date: 1990-02-06 00:00:00
Doc Comments: Not reported

T98
West
1/2-1
0.806 mi.
4255 ft.

Relative:
Lower

Actual:
887 ft.

WESTERN FARM SERVICE
2622 3RD ST
RIVERSIDE, CA 92507

Database(s): HAZNET, ENVIROSTOR
EDR ID Number: S103647597
EPA ID Number: N/A

Site 1 of 2 in cluster T

HAZNET:

Gepaid:	CAL000160223
Contact:	WESTERN FARM SERVICE
Telephone:	2094360450
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 1168
Mailing City,St,Zip:	FRESNO, CA 937151168
Gen County:	Riverside
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Pesticides and other waste associated with pesticide production
Disposal Method:	Transfer Station
Tons:	.0300
Facility County:	Riverside

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.36
NPL:	NO
Regulatory Agencies:	SMBRP, US EPA
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Greg Holmes
Division Branch:	Cypress
Facility ID:	60000208
Site Code:	Not reported
Assembly:	64
Senate:	31
Special Program:	EPA - PASI
Status:	Inactive - Needs Evaluation
Status Date:	3/6/2006 0:00
Restricted Use:	NO
Site Mgmt. Req.:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.98251408
Longitude:	-117.3633552
APN:	211-021-023
Past Use:	RETAIL
Potential COC:	30017
Confirmed COC:	30017-NO
Potential Description:	OTH, SOIL
Alias Name:	211-021-023
Alias Type:	APN
Alias Name:	Western Farm Service
Alias Type:	Alternate Name
Alias Name:	60000208
Alias Type:	Envirostor ID Number
Alias Name:	CAN000908312
Alias Type:	EPA Identification Number

Completed Info:

WESTERN FARM SERVICE (Continued) — **S103647597**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	2006-06-13 00:00:00
Comments:	Site Screening Assessment Report submitted to EPA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T99
West
1/2-1
0.828 mi.
4371 ft.

Relative:
Lower

Actual:
886 ft.

SINGLETARY, KING
2675 THIRD
RIVERSIDE, CA 90040

Database(s): Notify 65
EDR ID Number: S100179304
EPA ID Number: N/A

Site 2 of 2 in cluster T

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	90040

100
SSE
1/2-1
0.843 mi.
4453 ft.

Relative:
Higher

Actual:
1005 ft.

UNIVERSITY OF CALIFORNIA - RIVERSIDE
1060 PENNSYLVANIA AVENUE
RIVERSIDE, CA 92521

Database(s): HIST Cal-Sites, CA BOND EXP. PLAN, HIST CORTESE, DEED, RESPONSE, ENVIROSTOR
EDR ID Number: S100833324
EPA ID Number: N/A

HISTORICAL CAL-SITES:

Facility ID:	33890001
Region:	4
Region Name:	CYPRESS
Branch:	SB
Branch Name:	SO CAL - CYPRESS
File Name:	Not reported
State Senate District:	01011985
Status:	AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DTSC
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type:	RP
Type Name:	RESPONSIBLE PARTY
NPL:	Not Listed
SIC Code:	89
SIC Name:	MISCELLANEOUS SERVICES
Access:	Not reported
Cortese:	Not reported

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Suspected
Staff Member Responsible for Site:	GHOLMES
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	SA
Region Water Control Board Name:	SANTA ANA
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	64
State Senate District Code:	31
Facility ID:	33890001
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12301987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33890001
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11301989
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33890001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10101995
Est Person-Yrs to complete:	0
Estimated Size:	L
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33890001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05161996
Est Person-Yrs to complete:	0.17000
Estimated Size:	L
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33890001
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 09061996
Est Person-Yrs to complete: 0
Estimated Size: L
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 33890001
Activity: RMDL
Activity Name: REMEDIAL ACTION (RAP REQUIRED)
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 09302004
Revised Due Date: 03012005
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: L
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 33890001
Activity: CERT
Activity Name: CERTIFICATION
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 06302005
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: L
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 33890001
Activity: CHP65
Activity Name: AMENDED ORDER/AGREEMENT, CHAPTER 6.5 TRANSITION
AWP Code: ORDER
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 12211998
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 33890001
Activity: OM
Activity Name: OPERATION & MAINTENANCE
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: 06302030
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Unknown Type:	0
Facility ID:	33890001
Activity:	DES
Activity Name:	DESIGN
AWP Code:	PEST.
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06192000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33890001
Activity:	DEED
Activity Name:	DEED RESTRICTIONS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12312004
Revised Due Date:	04302005
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	900 UNIVERSITY AVENUE
Alternate City,St,Zip:	RIVERSIDE, CA
Alternate Address:	1060 PENNSYLVANIA AVENUE
Alternate City,St,Zip:	RIVERSIDE, CA 92521
Background Info:	The site consists of seven pits located in the Agricultural Operations yard of the University of California,Riverside campus. A wide diversity of organic chemicals including organichlorine pesticides, chlorinated herbicides, solvents, hydrocarbons, and polychlorinated biphenyls (PCBs) have been identified in the pits. The pits were used from the mid-1950s, to the late 1960s, for the disposal of agricultural wastes and containers which pre-sumably contained residual waste generated during research into various experimental pesticides. The disposal pits are not lined and there is potential for contamination of groundwater which is used for domestic supply. The pits are covered and there is little potential direct exposure. The first stage of a two stage RI/FS has been completed. The first stage identified the types of soil contamination and location of the pits.
Comments Date:	01141991
Comments:	DHS received EPA FIT SSI Reassessment. EPA is taking no
Comments Date:	01141991
Comments:	further action due to DHS lead (07/20/90).
Comments Date:	02101981
Comments:	DHS ISD Permit issued.
Comments Date:	03261997
Comments:	Field work to start Spring 1997.
Comments Date:	03261997
Comments:	Not reported
Comments Date:	05161996
Comments:	DTSC approved the Draft Remedial Action Plan for the site.
Comments Date:	05161996
Comments:	Not reported
Comments Date:	06011984
Comments:	Preliminary Assessment Done: Agricultural & scientific
Comments Date:	06011984
Comments:	research operations. Three pits and one landfill. Pits were
Comments Date:	06011984
Comments:	filled-in. 15,000 cubic feet of materials are buried in the
Comments Date:	06011984
Comments:	landfill. Currently, wastes are packed with vermiculite in
Comments Date:	06011984
Comments:	55-gallon drums, stored in paved/fenced/covered storage
Comments Date:	06011984
Comments:	area, and hauled under manifest to a Class I disposal area
Comments Date:	06011984
Comments:	(Hauler: Findly Chemical Disposal Co). No mark fence around
Comments Date:	06011984
Comments:	landfill. Pits were active from 1959 to 1969.
Comments Date:	06011984
Comments:	Preliminary Assessment submitted to EPA.
Comments Date:	06061983
Comments:	DHS ISD Inspection: No violations observed.
Comments Date:	06192000
Comments:	Remedial Design for pesticides contaminated soil clean-up using
Comments Date:	07102003
Comments:	DTSC provided comments on site closure report.
Comments Date:	07102003
Comments:	Not reported
Comments Date:	07251991
Comments:	Site is adjacent to the University of California, Riverside
Comments Date:	07251991
Comments:	research facility. Contaminants include pesticides, chlori-
Comments Date:	07251991
Comments:	nated herbicides, PCBs, and solvents.

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Comments Date: 09041985
Comments: DHS received EPA E&E FIT Inspection Report (E&E REP NO C(85)
Comments Date: 09041985
Comments: C338): Confirm DHS PA information. Underlying aquifer is not
Comments Date: 09041985
Comments: used for drinking. DHS has the lead.
Comments Date: 09171996
Comments: On Sep. 6, 1996 DTSC approved the final Remedial Design for
Comments Date: 09171996
Comments: the Waste Pits area, with certain conditions.
Comments Date: 09171996
Comments: Not reported
Comments Date: 09301997
Comments: Field work suspended due to contract dispute.
Comments Date: 09301997
Comments: Not reported
Comments Date: 10101995
Comments: DTSC accepted an addendum to address the extensive comments
Comments Date: 10101995
Comments: received during the review process and has subsequently
Comments Date: 10101995
Comments: approved the RI/FS report. Additional plots of contaminated
Comments Date: 10101995
Comments: areas were provided; treatability study results were also
Comments Date: 10101995
Comments: reviewed and found acceptable.
Comments Date: 12042001
Comments: Site clean-up activity is ongoing using LTTD Unit at site.
Comments Date: 12211998
Comments: Transition to Chapter 6.5 - Amendment to the existing Site
Comments Date: 12211998
Comments: Investigation Agreement, Docket No. HSA 89/90-005 signed by the
Comments Date: 12211998
Comments: RP.
Comments Date: 06192000
Comments: low temperature thermal degradation unit (Transporable Treatment
Comments Date: 06192000
Comments: Unit ITTU)) at site.
ID Name: CALSTARS CODE
ID Value: 400161
ID Name: BEP DATABASE PCODE
ID Value: P41050
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAD073134777
Alternate Name: UNIVERSITY OF CALIFORNIA RIVERSIDE
Special Programs Code: R3012
Special Programs Name: RCRA 3012

CA BOND EXP. PLAN:
Reponsible Party: RESPONSIBLE PARTY LEAD SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The University of California Riverside Board of Regents and the Department are negotiating an enforceable agreement that will require the Regents to continue to conduct RI/FS activities. DHS has budgeted $50,000 for related direct costs and DHS willrecover 100 percent of those costs plus staff costs and overhead

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

related to the project. The Regents will pay all costs associated with site investigation and remediation.
Site Description: The site is adjacent to the University of California Riverside research facility. Pesticides and other hazardous substances from research activities were disposed of in pits on the site.
Hazardous Waste Desc: Empty chemical containers, pesticides, miscellaneous experimental chemicals and lab stock chemicals were disposed of in unlined pits. The wastes identified in previous investigations include pesticides, chlorinated herbicides, solvents and polychlorinated biphenyls (PCBs).
Threat To Public Health & Env: The variety of substances disposed of may present problems related to incompatibility of wastes and breakdown of constituents to more hazardous materials. The disposal sites are neither lined nor monitored. There is potential for contamination of ground water which is used for domestic supply. The pits are covered and there is little potential for direct exposure.
Site Activity Status: The University of California completed remedial studies to identify soil contamination in April, 1988. Additional studies of soil and ground water are continuing.

CORTESE:
Region: CORTESE
Facility County Code: 33
Reg By: CALSI
Reg Id: 33890001

DEED:
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: STATE RESPONSE
Status: CERTIFIED
Deed Date(s): 2006-07-26 00:00:00

AWP:
AWP Facility ID: 33890001
Region Code: 4
Region: CYPRESS
SMBR Branch Code: SB
SMBR Branch Unit: SO CAL - CYPRESS
Site Name.: Not reported
Current Status Date: 01011985
Current Status: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: responsible party
Awp Site Type: RESPONSIBLE PARTY
NPL: Not Listed
Tier Of AWP Site: Not reported
Source Of Funding: C
Responsible Staff Member: GHOLMES
Supervisor Responsible: Not reported
SIC Code: 89
Facility SIC: MISCELLANEOUS SERVICES
RWQCB Code: SA
RWQCB Associated With Site: SANTA ANA
Site Access Controlled: Not reported
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Date Site Hazard Ranked: Not reported
Groundwater Contamination: Suspected
Of Contamination Sources: 1
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported
State Assembly Distt Code: 64
State Senate District: 31

RESPONSE:
Facility ID: 33890001
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 3.25
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: RAFIQ AHMED
Supervisor: Greg Holmes
Division Branch: Cypress
Site Code: 400161
Site Mgmt. Req.: REM, DAY, HOS, LUC, MON, EX, GW, OIL, NUSE, NSUB, EXT, FOOD
Assembly: 64
Senate: 31
Special Program Status: Not reported
Status: Certified
Status Date: 12/18/2006 0:00
Restricted Use: YES
Funding: Responsible Party
Latitude: 33.9632101
Longitude: -117.335634
APN: 253-090-008-5
Past Use: AGRICULTURAL - ORCHARD, LABORATORIES- CHEMICAL, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential COC: 30003, 30004, 30006, 30007, 30008, 30010, 30018, 30019, 30022, 30023, 30026, 30027, 30032, 30043, 30068, 30076, 30088, 30106, 30112, 30114, 30135, 30136, 30147, 30158, 30171, 30172, 30177, 30178, 30184, 30185, 30186, 30187, 30193, 30194, 30197, 30200, 30207, 30244, 30258, 30261, 30267, 30272, 30308, 30309, 30311, 30312, 30337, 30344, 30366, 30367, 30384, 30405, 30441, 30443, 30448, 30458, 30473, 30474, 30475, 30476, 30477, 30478, 30479, 30480, 30481, 30482, 30483, 30484, 30485, 30492, 30498, 30499, 30535, 30550, 30563, 30564, 30565, 30571, 30578, 30593
Confirmed COC: 30458,30473,30474,30475,30476,30477,30478,30479,30480,30481,30482, 30483,30484,30485,30492,30498,30499,30535,30550,30563,30564,30565, 30571,30578,30018,30019,30022,30023,30026,30027,30032,30043,30068, 30076,30088,30106,30112,30114,30135,30136,30147,30158,30171,30172, 30177,30178,30184,30185,30186,30187,30193,30194,30197,30200,30207, 30244,30258,30261,30267,30272,30308,30309,30311,30312,30337,30344, 30366,30367,30384,30405,30441,30443,30448,30003,30004,30006,30007, 30008,30010,30593
Potential Description: OTH, SOIL
Alias Name: 110033620277
Alias Type: EPA (FRS #)
Alias Name: 400161
Alias Type: Project Code (Site Code)

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Alias Name: 253-090-008-5
Alias Type: APN
Alias Name: CAD073134777
Alias Type: EPA Identification Number
Alias Name: P41050
Alias Type: PCode
Alias Name: 33890001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2006-02-07 00:00:00
Comments: The Groundwater Monitoring Operation and Maintenance Plan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 2006-02-06 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 1996-09-06 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 1996-05-16 00:00:00
Comments: DTSC approved the Draft Remedial Action Plan for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 1995-10-10 00:00:00
Comments: Site is adjacent to the University of California, Riverside research facility. Contaminants include pesticides, chlori- nated herbicides, PCBs, and solvents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 1987-12-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-06-01 00:00:00
Comments: Preliminary Assessment Done: Agricultural & scientific research operations. Three pits and one landfill. Pits were filled-in. 15,000 cubic feet of materials are buried in the landfill. Currently, wastes are packed with vermiculite in 55-gallon drums, stored in paved/fenced/covered storage area, and hauled under manifest to a

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Class I disposal area (Hauler: Findly Chemical Disposal Co). No mark fence around landfill. Pits were active from 1959 to 1969. Preliminary Assessment submitted to EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 2000-06-19 00:00:00
Comments: Remedial Design for pesticides contaminated soil clean-up using low temperature thermal degradation unit (Transporable Treatment Unit ITTU)) at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Memorandum of Agreement - IAG
Completed Date: 2006-05-12 00:00:00
Comments: Operation and Maintenance Agreement for Pesticide Pits.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2007-05-24 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-04-20 00:00:00
Comments: Comments need to be addressed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-04-20 00:00:00
Comments: Comments need to be addressed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-06-09 00:00:00
Comments: Combined 31st Semiannual Groundwater Monitoring and 2008 Annual Monitoring Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-09-01 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2010-02-23 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Completed Document Type: * Amended Order/Agreement, Chapter 6.5 transition
Completed Date: 1998-12-21 00:00:00
Comments: Transition to Chapter 6.5 - Amendment to the existing Site Investigation Agreement, Docket No. HSA 89/90-005 signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order
Completed Date: 1989-11-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 2006-12-18 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 2009-03-02 00:00:00
Comments: Commpleted Deed Restriction Inspection Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 2006-07-26 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 2007-09-17 00:00:00
Comments: Deed restriction inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 2010-02-18 00:00:00
Comments: Completed and uploaded the copy of the Deed Restrictions Annual Inspection Report on EnviroStor

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2012
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 3.25
NPL: NO

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: RAFIQ AHMED
Supervisor: Greg Holmes
Division Branch: Cypress
Facility ID: 33890001
Site Code: 400161
Assembly: 64
Senate: 31
Special Program: Not reported
Status: Certified
Status Date: 12/18/2006 0:00
Restricted Use: YES
Site Mgmt. Req.: REM, DAY, HOS, LUC, MON, EX, GW, OIL, NUSE, NSUB, EXT, FOOD
Funding: Responsible Party
Latitude: 33.9632101
Longitude: -117.335634
APN: 253-090-008-5
Past Use: AGRICULTURAL - ORCHARD, LABORATORIES- CHEMICAL, PESTICIDE/INSECTIDE/RODENTICIDE STORAGE
Potential COC: 30003, 30004, 30006, 30007, 30008, 30010, 30018, 30019, 30022, 30023, 30026, 30027, 30032, 30043, 30068, 30076, 30088, 30106, 30112, 30114, 30135, 30136, 30147, 30158, 30171, 30172, 30177, 30178, 30184, 30185, 30186, 30187, 30193, 30194, 30197, 30200, 30207, 30244, 30258, 30261, 30267, 30272, 30308, 30309, 30311, 30312, 30337, 30344, 30366, 30367, 30384, 30405, 30441, 30443, 30448, 30458, 30473, 30474, 30475, 30476, 30477, 30478, 30479, 30480, 30481, 30482, 30483, 30484, 30485, 30492, 30498, 30499, 30535, 30550, 30563, 30564, 30565, 30571, 30578, 30593
Confirmed COC: 30458,30473,30474,30475,30476,30477,30478,30479,30480,30481,30482, 30483,30484,30485,30492,30498,30499,30535,30550,30563,30564,30565, 30571,30578,30018,30019,30022,30023,30026,30027,30032,30043,30068, 30076,30088,30106,30112,30114,30135,30136,30147,30158,30171,30172, 30177,30178,30184,30185,30186,30187,30193,30194,30197,30200,30207, 30244,30258,30261,30267,30272,30308,30309,30311,30312,30337,30344, 30366,30367,30384,30405,30441,30443,30448,30003,30004,30006,30007, 30008,30010,30593
Potential Description: OTH, SOIL
Alias Name: 110033620277
Alias Type: EPA (FRS #)
Alias Name: 400161
Alias Type: Project Code (Site Code)
Alias Name: 253-090-008-5
Alias Type: APN
Alias Name: CAD073134777
Alias Type: EPA Identification Number
Alias Name: P41050
Alias Type: PCode
Alias Name: 33890001
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Report
Completed Date: 2006-02-07 00:00:00
Comments: The Groundwater Monitoring Operation and Maintenance Plan was approved.

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 2006-02-06 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 1996-09-06 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 1996-05-16 00:00:00
Comments: DTSC approved the Draft Remedial Action Plan for the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 1995-10-10 00:00:00
Comments: Site is adjacent to the University of California, Riverside research facility. Contaminants include pesticides, chlori- nated herbicides, PCBs, and solvents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 1987-12-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-06-01 00:00:00
Comments: Preliminary Assessment Done: Agricultural & scientific research operations. Three pits and one landfill. Pits were filled-in. 15,000 cubic feet of materials are buried in the landfill. Currently, wastes are packed with vermiculite in 55-gallon drums, stored in paved/fenced/covered storage area, and hauled under manifest to a Class I disposal area (Hauler: Findly Chemical Disposal Co). No mark fence around landfill. Pits were active from 1959 to 1969. Preliminary Assessment submitted to EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Remedial or Removal Design
Completed Date: 2000-06-19 00:00:00
Comments: Remedial Design for pesticides contaminated soil clean-up using low temperature thermal degradation unit (Transporable Treatment Unit ITTU)) at site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Memorandum of Agreement - IAG
Completed Date: 2006-05-12 00:00:00

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Comments: Operation and Maintenance Agreement for Pesticide Pits.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2007-05-24 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-04-20 00:00:00
Comments: Comments need to be addressed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-04-20 00:00:00
Comments: Comments need to be addressed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-06-09 00:00:00
Comments: Combined 31st Semiannual Groundwater Monitoring and 2008 Annual Monitoring Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2009-09-01 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Long Term Monitoring Report
Completed Date: 2010-02-23 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Amended Order/Agreement, Chapter 6.5 transition
Completed Date: 1998-12-21 00:00:00
Comments: Transition to Chapter 6.5 - Amendment to the existing Site Investigation Agreement, Docket No. HSA 89/90-005 signed by the RP.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Order
Completed Date: 1989-11-30 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 2006-12-18 00:00:00
Comments: Not reported

UNIVERSITY OF CALIFORNIA - RIVERSIDE (Continued) **S100833324**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 2009-03-02 00:00:00
Comments: Commpleted Deed Restriction Inspection Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 2006-07-26 00:00:00
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 2007-09-17 00:00:00
Comments: Deed restriction inspection.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 2010-02-18 00:00:00
Comments: Completed and uploaded the copy of the Deed Restrictions Annual Inspection Report on EnviroStor

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: 5 Year Review Reports
Future Due Date: 2012
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

101
West
1/2-1
0.958 mi.
5059 ft.

WEILAND & COMPANY
3491 COMMERCE
RIVERSIDE, CA 92507

ENVIROSTOR **S107737593**
N/A

Relative:
Lower

Actual:
879 ft.

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Greg Holmes
Division Branch: Cypress
Facility ID: 60000227
Site Code: Not reported
Assembly: 64
Senate: 31
Special Program: EPA - PASI
Status: Inactive - Needs Evaluation
Status Date: 3/6/2006 0:00

Map ID
Direction
Distance
Elevation | Site | MAP FINDINGS | Database(s) | EDR ID Number / EPA ID Number

WEILAND & COMPANY (Continued) **S107737593**

Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60000227
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 2006-06-13 00:00:00
Comments: EPA Concurrence June 13,2006.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLYTHE	U001576259	BLYTHE AIRPORT	HIGHWAY 60	92501	HIST UST
BOX SPRINGS	1000213838		OFF HWY	92507	RCRA-SQG, FINDS
RIVERSIDE	S106117723	SMITH PROPERTY	7TH ST & BROCKTON AVE		LUST
RIVERSIDE	U001576700	EDGEMONT SHELL	13260 HWY 345		HIST UST
RIVERSIDE	S108484750	PROPOSED CITRUS HERITAGE MIDDLE SC	SW CORNER OF KRAMARIA AVENUE A		SCH, ENVIROSTOR
RIVERSIDE	2008877258	MAGNOLIA JUST NORTH OF MERRIL	MAGNOLIA JUST NORTH OF MERRIL		ERNS
RIVERSIDE	1006805292		10171 MISSION BOULEVARD HWY		RCRA-LQG, FINDS, HAZNET
RIVERSIDE	1000231013		NEAR RIVERSIDE		CERCLIS, FINDS
RIVERSIDE	S101590060	ECONO LUBE N' TUNE	3398 7TH ST	92501	CA FID UST, SWEEPS UST
RIVERSIDE	S103821018	SMITH PROPERTY	7TH ST	92507	LUST
RIVERSIDE	S103821022	STEARNS DOWNTOWN LIQUOR	4029 7TH ST		LUST
RIVERSIDE	S104754023	JURUPA UNIFIED SCHOOL DIS	4740 STREET		HIST CORTESE
RIVERSIDE	1009311263	3RD AND COMMERCE STREETS (RCTC)	3RD STREET AND COMMERCE ST	92507	US BROWNFIELDS
RIVERSIDE	1010725162	PATRICIA BEATTY ELEMENTARY SCHOOL	STRONG STREET AND RIVERA ST	92501	FINDS
RIVERSIDE	S104970783	UCR - PARKING LOT 6	UNIVERSITY "OF		LUST
RIVERSIDE	S109422427	CAMP HAAN RIFLE RANGE	S WEST OF MARCH AIR FORCE BASE		Cortese, RESPONSE, ENVIROSTOR

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2010
Date Data Arrived at EDR: 04/02/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2010
Date Data Arrived at EDR: 04/02/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2010
Date Data Arrived at EDR: 04/02/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 07/12/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing
A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 01/15/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009
Date Data Arrived at EDR: 09/02/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 19

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 07/12/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2010
Date Data Arrived at EDR: 03/31/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/20/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 02/11/2010
Number of Days to Update: 20

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 06/16/2010
Date Data Arrived at EDR: 06/17/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/17/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 06/16/2010
Date Data Arrived at EDR: 06/17/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/17/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/25/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 45

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/25/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 06/25/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 06/07/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 06/21/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 06/22/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 07/23/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 06/22/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/23/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 06/21/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 05/10/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/04/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/25/2010
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/03/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/10/2010
Date Data Arrived at EDR: 03/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 27

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 03/03/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/22/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 16

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 06/23/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 07/12/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/04/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/01/2010
Date Data Arrived at EDR: 03/03/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 40

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 02/25/2010
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 12/30/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 76

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/12/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/03/2010
Date Data Arrived at EDR: 05/05/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 22

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 03/10/2010
Date Data Arrived at EDR: 03/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 27

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/16/2010
Date Data Arrived at EDR: 06/17/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/17/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/08/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 03/02/2010
Date Data Arrived at EDR: 03/23/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/25/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/28/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Varies

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 14
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/25/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 03/09/2010
Date Data Arrived at EDR: 03/10/2010
Date Made Active in Reports: 04/09/2010
Number of Days to Update: 30
Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 06/08/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/19/2009
Date Data Arrived at EDR: 12/29/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 43
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 06/16/2010
Date Data Arrived at EDR: 06/17/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/17/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 03/04/2010
Number of Days to Update: 7
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24
Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/07/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWEEPS UST: SWEEPS UST Listing
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/05/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/24/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Varies

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/05/2010
Date Data Arrived at EDR: 05/07/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/14/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/15/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 50

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 05/09/2008
Date Made Active in Reports: 06/20/2008
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing
The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 06/22/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 14

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/23/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing
The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 06/22/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 07/23/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2010
Date Data Arrived at EDR: 02/09/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 62

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/12/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 09/30/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 62

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/16/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/11/2010
Date Data Arrived at EDR: 04/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 28

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/08/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/29/2010
Date Data Arrived at EDR: 05/07/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/16/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/01/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/12/2010
Date Data Arrived at EDR: 03/10/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 68

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/09/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/13/2010
Date Made Active in Reports: 02/18/2010
Number of Days to Update: 36

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/04/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/01/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/01/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/06/2010
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 04/24/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 06/25/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/01/2009
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 12/01/2009
Number of Days to Update: 41

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/22/2010
Next Scheduled EDR Contact: 08/02/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/13/2010
Date Data Arrived at EDR: 04/14/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/25/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CA WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 06/01/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/21/2010
Date Data Arrived at EDR: 05/25/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 43
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/25/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/05/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 41
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES].

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/25/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/22/2009
Date Data Arrived at EDR: 01/25/2010
Date Made Active in Reports: 01/29/2010
Number of Days to Update: 4
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 10/21/2009
Date Made Active in Reports: 10/28/2009
Number of Days to Update: 7
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 07/14/2009
Date Made Active in Reports: 07/23/2009
Number of Days to Update: 9
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 02/10/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/25/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 14
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/24/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/27/2010
Date Data Arrived at EDR: 06/16/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 23
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 11/09/2009
Date Data Arrived at EDR: 12/18/2009
Date Made Active in Reports: 02/10/2010
Number of Days to Update: 54
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/21/2010
Date Data Arrived at EDR: 04/21/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 27
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/21/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/11/2010
Date Data Arrived at EDR: 05/12/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 6
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/12/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2010
Date Data Arrived at EDR: 03/10/2010
Date Made Active in Reports: 04/09/2010
Number of Days to Update: 30
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Varies

FINANCIAL ASSURANCE: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 06/01/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 28
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 05/05/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/14/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/12/2010
Date Data Arrived at EDR: 04/14/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/12/2010
Date Data Arrived at EDR: 04/14/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 34

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/24/2010
Date Data Arrived at EDR: 05/25/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 43

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/24/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/15/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 32

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 06/24/2010
Date Data Arrived at EDR: 06/24/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 15

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/24/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/25/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 04/13/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 35

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/23/2010
Date Data Arrived at EDR: 04/26/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 22

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 06/18/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/09/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 03/04/2010
Number of Days to Update: 20

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 04/28/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 19

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/26/2010
Next Scheduled EDR Contact: 11/08/2010
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/19/2010
Date Data Arrived at EDR: 04/21/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 27

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 04/19/2010
Date Data Arrived at EDR: 04/30/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 18

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/12/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/07/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/07/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: No Update Planned

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/05/2010
Date Data Arrived at EDR: 05/21/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 47

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/18/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/05/2010
Date Data Arrived at EDR: 05/21/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 47

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/18/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/03/2010
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/23/2010
Number of Days to Update: 11

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/28/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/22/2010
Date Data Arrived at EDR: 06/24/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 15

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/19/2010
Date Data Arrived at EDR: 04/19/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 29

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/19/2010
Date Data Arrived at EDR: 04/19/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 29
Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 04/01/2010
Date Data Arrived at EDR: 04/15/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 33
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 03/03/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 32
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 10/25/2010
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 06/09/2010
Date Data Arrived at EDR: 06/11/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 28
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 07/16/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 11/26/2008
Number of Days to Update: 28
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/23/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2009
Date Data Arrived at EDR: 12/04/2009
Date Made Active in Reports: 01/18/2010
Number of Days to Update: 45
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/15/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/17/2010
Date Data Arrived at EDR: 05/17/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 53
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/17/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 05/14/2010
Date Data Arrived at EDR: 06/09/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 30
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/20/2010
Date Data Arrived at EDR: 04/21/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 27
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/21/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/21/2010
Date Data Arrived at EDR: 06/22/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 17

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/21/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.
Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 05/29/2009
Date Data Arrived at EDR: 06/01/2009
Date Made Active in Reports: 06/15/2009
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 07/09/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/31/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/18/2009
Number of Days to Update: 18

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 06/14/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/07/2010
Date Data Arrived at EDR: 06/22/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 17

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/07/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/07/2010
Date Data Arrived at EDR: 06/23/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 09/20/2010
Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/06/2010
Date Data Arrived at EDR: 04/07/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 41

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 07/07/2010
Next Scheduled EDR Contact: 10/18/2010
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 04/01/2009
Date Data Arrived at EDR: 04/02/2009
Date Made Active in Reports: 04/09/2009
Number of Days to Update: 7

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 07/14/2010
Next Scheduled EDR Contact: 09/27/2010
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 04/26/2010
Date Data Arrived at EDR: 05/28/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 40

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 10/05/2009
Date Made Active in Reports: 10/13/2009
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/24/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2010
Date Data Arrived at EDR: 06/24/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 15

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/24/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/07/2010
Date Data Arrived at EDR: 04/13/2010
Date Made Active in Reports: 05/18/2010
Number of Days to Update: 35

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 07/19/2010
Next Scheduled EDR Contact: 10/11/2010
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/04/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/20/2010
Date Made Active in Reports: 02/05/2010
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/22/2010
Next Scheduled EDR Contact: 11/01/2010
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2010
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 06/21/2010
Number of Days to Update: 39

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/13/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 05/24/2010
Next Scheduled EDR Contact: 09/06/2010
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 11/03/2009
Date Data Arrived at EDR: 02/12/2010
Date Made Active in Reports: 02/22/2010
Number of Days to Update: 10

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/01/2010
Next Scheduled EDR Contact: 09/13/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/21/2010
Next Scheduled EDR Contact: 10/04/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NORTH HIGH SCHOOL
1550 THIRD STREET
RIVERSIDE, CA 92507

TARGET PROPERTY COORDINATES

Latitude (North):	33.98140 - 33° 58' 53.0''
Longitude (West):	117.3472 - 117° 20' 49.9''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	467929.1
UTM Y (Meters):	3759953.5
Elevation:	955 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-H3 RIVERSIDE EAST, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

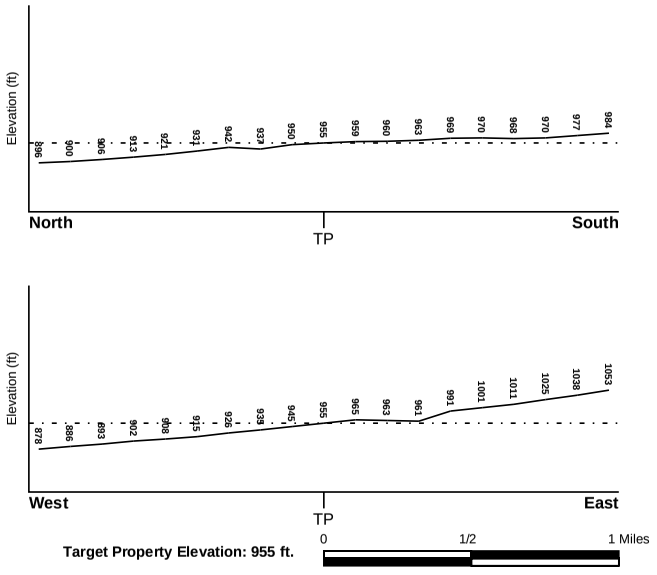
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
RIVERSIDE, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06065C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/8 - 1/4 Mile ENE	NW
A3	1/4 - 1/2 Mile ENE	Not Reported
A4	1/4 - 1/2 Mile ENE	Not Reported
A5	1/4 - 1/2 Mile ENE	Not Reported
6	1/2 - 1 Mile NNW	SW
A7	1/2 - 1 Mile ENE	W
A8	1/2 - 1 Mile ENE	W
B10	1/2 - 1 Mile WSW	NW
B11	1/2 - 1 Mile WSW	NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
15	1/2 - 1 Mile WSW	W

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

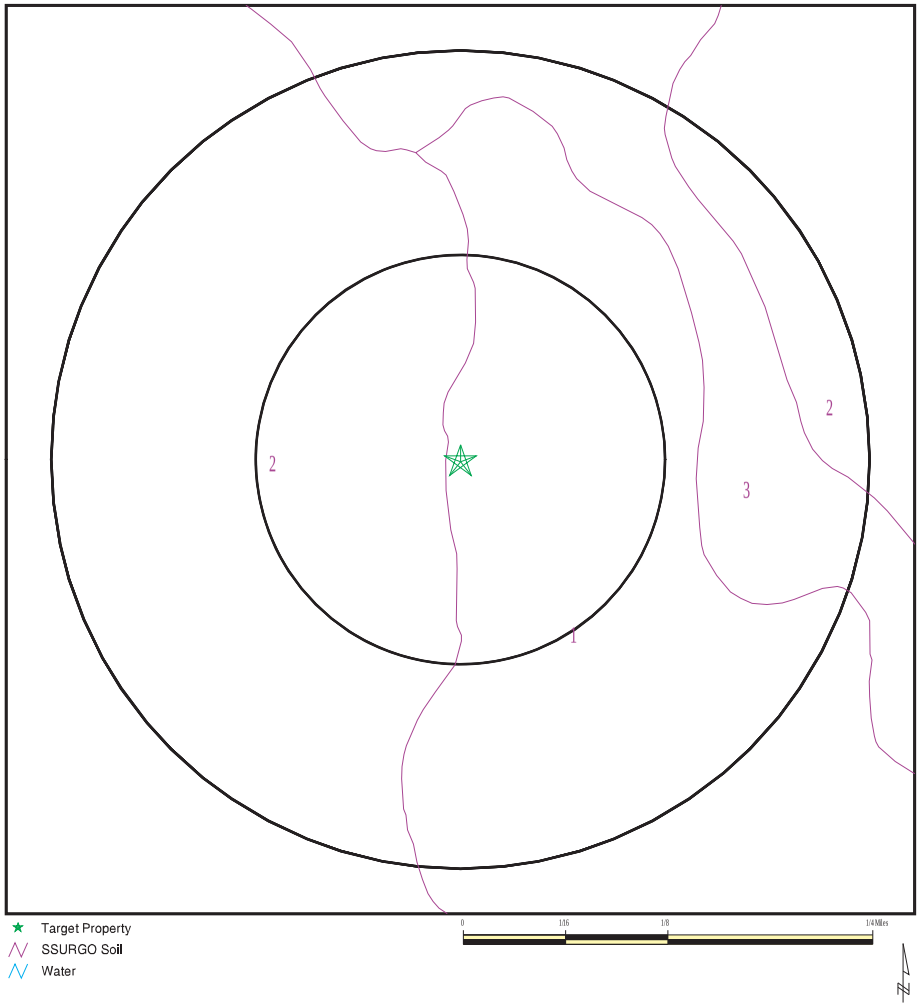
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2828680.4s



SITE NAME:	North High School
ADDRESS:	1550 Third Street Riverside CA 92507
LAT/LONG:	33.9814 / 117.3472
CLIENT:	The Planning Center-LA Office
CONTACT:	Henry Kaplan
INQUIRY #:	2828680.4s
DATE:	July 29, 2010 9:03 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HANFORD

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6
3	40 inches	59 inches	stratified loamy sand to coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: ARLINGTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
2	11 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
3	50 inches	59 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
4	59 inches	70 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: HANFORD

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6
3	40 inches	59 inches	stratified loamy sand to coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C12	USGS3124400	1/2 - 1 Mile NW
14	USGS3124377	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

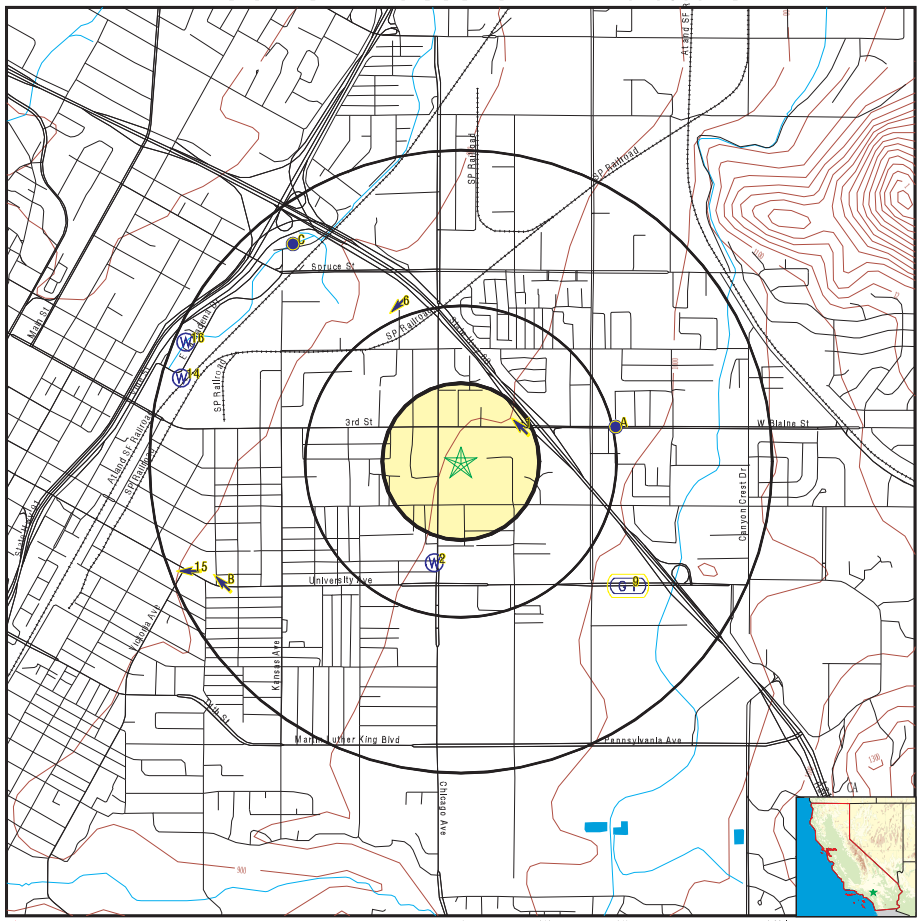
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	23631	1/4 - 1/2 Mile SSW
C13	2513	1/2 - 1 Mile NW
16	2533	1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 2828680.4s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: North High School	CLIENT: The Planning Center-LA Office
ADDRESS: 1550 Third Street Riverside CA 92507	CONTACT: Henry Kaplan
LAT/LONG: 33.9814 / 117.3472	INQUIRY #: 2828680.4s DATE: July 29, 2010 9:03 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1	Site ID:	083301200T		
ENE	Groundwater Flow:	NW	**AQUIFLOW**	**34251**
1/8 - 1/4 Mile	Shallow Water Depth:	Not Reported		
Higher	Deep Water Depth:	Not Reported		
	Average Water Depth:	150'		
	Date:	10/30/1998		

2
SSW **CA WELLS** **23631**
1/4 - 1/2 Mile
Higher

Water System Information:

Prime Station Code:	N33/031-7THCHIC	User ID:	WAT
FRDS Number:	3310031107	County:	Riverside
District Number:	14	Station Type:	RESVR/AMBNT/MUN/INTAKE
Water Type:	Surface Water	Well Status:	Distribution System Sample Point Treated
Source Lat/Long:	335836.5 1172052.1	Precision:	10 Feet (1/10 Second)
Source Name:	7TH & CHICAGO - DISTRIBUTION		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

Sample Collected:	01/02/2007	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/02/2007	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/02/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/02/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/05/2007	Findings:	408 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/09/2007	Findings:	4.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/09/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/09/2007	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/09/2007	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/09/2007	Findings:	Q 170 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	01/09/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/29/2007	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/29/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/29/2007	Findings:	.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/29/2007	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/29/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/01/2007	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/01/2007	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/05/2007	Findings:	558 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/05/2007	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	06/05/2007	Findings:	171 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/05/2007	Findings:	210 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/05/2007	Findings:	220 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/05/2007	Findings:	69 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/05/2007	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/05/2007	Findings:	43 MG/L
Chemical:	SODIUM		
Sample Collected:	06/05/2007	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/05/2007	Findings:	29 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/05/2007	Findings:	.6 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	06/05/2007	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	06/05/2007	Findings:	6.7 UG/L
Chemical:	VANADIUM		
Sample Collected:	06/05/2007	Findings:	9 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/05/2007	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/05/2007	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/05/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/16/2007	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/16/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/16/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/16/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/16/2007	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/19/2007	Findings:	362 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/23/2007	Findings:	5.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/23/2007	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/23/2007	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/23/2007	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/23/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/23/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/18/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/18/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/21/2008	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/25/2008	Findings:	7.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/25/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/25/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/25/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/25/2008	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/25/2008	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/25/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/25/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/26/2008	Findings:	551 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/30/2008	Findings:	404 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/30/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/30/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/30/2008	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/30/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/03/2008	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/07/2008	Findings:	2.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	10/07/2008	Findings:	8.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/07/2008	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/07/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/07/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/17/2009	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/17/2009	Findings:	446 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/17/2009	Findings:	29 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/17/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/17/2009	Findings:	2.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/17/2009	Findings:	2.34 PCI/L
Chemical:	GROSS ALPHA MDA95		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/20/2009	Findings:	458 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/24/2009	Findings:	17 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/24/2009	Findings:	1.95 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/24/2009	Findings:	25 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/24/2009	Findings:	17 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/24/2009	Findings:	1.2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/24/2009	Findings:	1.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/24/2009	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/24/2009	Findings:	432 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/24/2009	Findings:	29 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/18/2009	Findings:	.24 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/18/2009	Findings:	2.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/21/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/27/2009	Findings:	7.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/27/2009	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/27/2009	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/27/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/27/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/27/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/27/2009	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/28/2009	Findings:	400 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/31/2009	Findings:	9.5 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/31/2009	Findings:	21 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/31/2009	Findings:	14 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/04/2006	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	04/04/2006	Findings:	412 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/04/2006	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/04/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/04/2006	Findings:	2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/07/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/11/2006	Findings:	8.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/11/2006	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/11/2006	Findings:	10 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/11/2006	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/11/2006	Findings:	.026 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	04/11/2006	Findings:	.6 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	04/11/2006	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/11/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/15/2006	Findings:	424 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/15/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/15/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/15/2006	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/18/2006	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/22/2006	Findings:	6.9 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/22/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/22/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/22/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/22/2006	Findings:	362 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/22/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/09/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/09/2007	Findings:	1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/09/2007	Findings:	4.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/09/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/12/2007	Findings:	386 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/16/2007	Findings:	9.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/16/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/16/2007	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/16/2007	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/16/2007	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/16/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/16/2007	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/16/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/19/2007	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/23/2007	Findings:	3.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/23/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/23/2007	Findings:	8.2 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/05/2007	Findings:	386 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/05/2007	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/05/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/05/2007	Findings:	6900 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	06/05/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/05/2007	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/05/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/05/2007	Findings:	5600 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/05/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/08/2007	Findings:	388 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/12/2007	Findings:	7.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/12/2007	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/12/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/12/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/12/2007	Findings:	412 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/12/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/23/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/23/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/26/2007	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/30/2007	Findings:	3.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/30/2007	Findings:	2.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/30/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/30/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/30/2007	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/30/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/30/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/30/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/02/2007	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/06/2007	Findings:	5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/06/2007	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/06/2007	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/06/2007	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/26/2008	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	03/26/2008	Findings:	156 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/26/2008	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/26/2008	Findings:	190 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/26/2008	Findings:	60 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/26/2008	Findings:	9.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/26/2008	Findings:	324 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/26/2008	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	03/26/2008	Findings:	10 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	03/26/2008	Findings:	181 PCI/L
Chemical:	RADON 222		
Sample Collected:	03/26/2008	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03/28/2008	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/31/2008	Findings:	542 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/31/2008	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	03/31/2008	Findings:	155 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/31/2008	Findings:	189 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/31/2008	Findings:	160 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/31/2008	Findings:	52 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/31/2008	Findings:	7.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/31/2008	Findings:	34 MG/L
Chemical:	SODIUM		
Sample Collected:	03/31/2008	Findings:	2.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/31/2008	Findings:	20 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/31/2008	Findings:	.67 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/31/2008	Findings:	2.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	03/31/2008	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	03/31/2008	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	03/31/2008	Findings:	12 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	03/31/2008	Findings:	10 UG/L
Chemical:	VANADIUM		
Sample Collected:	03/31/2008	Findings:	330 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/31/2008	Findings:	.1
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	03/31/2008	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/31/2008	Findings:	7800 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	03/31/2008	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03/31/2008	Findings:	4700 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/01/2008	Findings:	7.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/01/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/01/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/01/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/01/2008	Findings:	334 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/01/2008	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/07/2008	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/07/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/07/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/07/2008	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/07/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/10/2008	Findings:	406 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/14/2008	Findings:	6.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/14/2008	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/14/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/14/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/14/2008	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/14/2008	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/24/2009	Findings:	2.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/24/2009	Findings:	1.63 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/27/2009	Findings:	402 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/03/2009	Findings:	9 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/03/2009	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/03/2009	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/03/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/03/2009	Findings:	444 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/03/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/03/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/03/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/31/2009	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/31/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/31/2009	Findings:	.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/31/2009	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/04/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/09/2009	Findings:	5.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/09/2009	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/09/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/11/2006	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/11/2006	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/14/2006	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/2006	Findings:	9.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/18/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/18/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/18/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/18/2006	Findings:	.028 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	04/18/2006	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/18/2006	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/18/2006	Findings:	.3 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/18/2006	Findings:	.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/21/2006	Findings:	352 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/22/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/25/2006	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2006	Findings:	6.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/29/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/29/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/29/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/29/2006	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/29/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/29/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/29/2006	Findings:	.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/01/2006	Findings:	398 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/23/2007	Findings:	5.5 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/23/2007	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/23/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/23/2007	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/23/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/26/2007	Findings:	324 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/30/2007	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/30/2007	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/30/2007	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/30/2007	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/12/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/12/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/15/2007	Findings:	402 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/19/2007	Findings:	12 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/19/2007	Findings:	3.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/19/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/19/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/19/2007	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/19/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/19/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/19/2007	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/19/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/19/2007	Findings:	602 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/19/2007	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	11/06/2007	Findings:	I 220 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/06/2007	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/06/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/06/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/06/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/09/2007	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/13/2007	Findings:	6.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/13/2007	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/13/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/13/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/13/2007	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/13/2007	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/01/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/01/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/04/2008	Findings:	414 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/08/2008	Findings:	7.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/08/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/08/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/08/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/08/2008	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/08/2008	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/08/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/08/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/10/2008	Findings:	572 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/10/2008	Findings:	7.7
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/10/2008	Findings:	157 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	04/10/2008	Findings:	191 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/14/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/14/2008	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/14/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/17/2008	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/22/2008	Findings:	8.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/22/2008	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/22/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/22/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/22/2008	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/22/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/22/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/22/2008	Findings:	2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/22/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/24/2008	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/28/2008	Findings:	8.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/28/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/28/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/28/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/03/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/06/2009	Findings:	398 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/10/2009	Findings:	624 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/10/2009	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	03/10/2009	Findings:	184 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/10/2009	Findings:	223 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/10/2009	Findings:	71 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/10/2009	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/10/2009	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/10/2009	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/10/2009	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/10/2009	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/10/2009	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/10/2009	Findings:	402 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/10/2009	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/10/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/10/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/10/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/12/2009	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/17/2009	Findings:	6.25 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/17/2009	Findings:	1.76 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/17/2009	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/17/2009	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/17/2009	Findings:	1.2 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/17/2009	Findings:	1.1 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/17/2009	Findings:	1.9 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	09/09/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/09/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/09/2009	Findings:	.11 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/09/2009	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/11/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/16/2009	Findings:	4.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/16/2009	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/16/2009	Findings:	9.3 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/16/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/16/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/25/2006	Findings:	6.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/25/2006	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/25/2006	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/25/2006	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/25/2006	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/25/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/25/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/25/2006	Findings:	1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/28/2006	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/02/2006	Findings:	6.3 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/02/2006	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/02/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/02/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/02/2006	Findings:	1.1 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	09/01/2006	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/05/2006	Findings:	6.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/05/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/05/2006	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/05/2006	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/05/2006	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/05/2006	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/05/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/05/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/08/2006	Findings:	398 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/12/2006	Findings:	8.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/12/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/12/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/12/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/30/2007	Findings:	470 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/30/2007	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/30/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/30/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/02/2007	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/06/2007	Findings:	.35 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	02/06/2007	Findings:	.361 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	02/06/2007	Findings:	6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/06/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/06/2007	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/06/2007	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/06/2007	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/06/2007	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/06/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/06/2007	Findings:	.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/19/2007	Findings:	175 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/19/2007	Findings:	210 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/19/2007	Findings:	220 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/19/2007	Findings:	70 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/19/2007	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/19/2007	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/19/2007	Findings:	.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/19/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/22/2007	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/26/2007	Findings:	8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/26/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/26/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/26/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/26/2007	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/26/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/26/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/26/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/26/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/28/2007	Findings:	21 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	06/28/2007	Findings:	548 PCI/L
Chemical:	RADON 222		
Sample Collected:	06/29/2007	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/03/2007	Findings:	6.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/03/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/03/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/03/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/13/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/13/2007	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/13/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/16/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/20/2007	Findings:	3.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/20/2007	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/20/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/20/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/20/2007	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/20/2007	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/20/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/20/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/10/2008	Findings:	195 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	04/10/2008	Findings:	62 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/10/2008	Findings:	9.7 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/10/2008	Findings:	37 MG/L
Chemical:	SODIUM		
Sample Collected:	04/10/2008	Findings:	2.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/10/2008	Findings:	24 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/10/2008	Findings:	.62 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04/10/2008	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	04/10/2008	Findings:	2.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	04/10/2008	Findings:	5.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/10/2008	Findings:	4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/10/2008	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/10/2008	Findings:	336 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/10/2008	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	04/10/2008	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/10/2008	Findings:	6200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	04/10/2008	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	04/10/2008	Findings:	4900 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/10/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/11/2008	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/15/2008	Findings:	1.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/15/2008	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/15/2008	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/15/2008	Findings:	328 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/15/2008	Findings:	20 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/28/2008	Findings:	420 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/28/2008	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/28/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/28/2008	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/28/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/31/2008	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/04/2008	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	11/04/2008	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/04/2008	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/04/2008	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/04/2008	Findings:	13 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/17/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/17/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/17/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/17/2009	Findings:	4.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/20/2009	Findings:	358 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/24/2009	Findings:	7.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/24/2009	Findings:	1.74 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/24/2009	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/24/2009	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/24/2009	Findings:	2 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	03/24/2009	Findings:	2 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	03/24/2009	Findings:	1.3 UG/L
Chemical:	CHLOROFORM (THM)		
Sample Collected:	09/16/2009	Findings:	.31 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/16/2009	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/18/2009	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/23/2009	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/23/2009	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/23/2009	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/23/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/23/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/23/2009	Findings:	.13 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/23/2009	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/25/2009	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/29/2009	Findings:	5.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/29/2009	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/29/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/02/2006	Findings:	.013 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	05/02/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/02/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/02/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/02/2006	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/05/2006	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/09/2006	Findings:	8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/09/2006	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/09/2006	Findings:	10 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/09/2006	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/09/2006	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/09/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/09/2006	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/12/2006	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/12/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/12/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/12/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/15/2006	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/19/2006	Findings:	587 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/19/2006	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	09/19/2006	Findings:	159 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	09/19/2006	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/19/2006	Findings:	210 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/19/2006	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/19/2006	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/19/2006	Findings:	45 MG/L
Chemical:	SODIUM		
Sample Collected:	09/19/2006	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/19/2006	Findings:	28 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/19/2006	Findings:	.62 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/19/2006	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	09/19/2006	Findings:	2.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	09/19/2006	Findings:	7.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/19/2006	Findings:	4.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/19/2006	Findings:	2.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/19/2006	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/19/2006	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/09/2007	Findings:	352 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/13/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/13/2007	Findings:	10 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/13/2007	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/13/2007	Findings:	354 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/13/2007	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/13/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/13/2007	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/16/2007	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/20/2007	Findings:	5.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/20/2007	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/20/2007	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/20/2007	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/03/2007	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/03/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/03/2007	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/03/2007	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/03/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	07/06/2007	Findings:	386 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/10/2007	Findings:	.255 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	07/10/2007	Findings:	567 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/10/2007	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	07/10/2007	Findings:	174 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/10/2007	Findings:	210 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/10/2007	Findings:	210 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/10/2007	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/10/2007	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/10/2007	Findings:	40 MG/L
Chemical:	SODIUM		
Sample Collected:	07/10/2007	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/10/2007	Findings:	31 MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/10/2007	Findings:	.63 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/10/2007	Findings:	2.6 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/10/2007	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	07/10/2007	Findings:	2.4 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/10/2007	Findings:	5.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/10/2007	Findings:	7.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/10/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/10/2007	Findings:	.24 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	07/10/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/10/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/23/2007	Findings:	354 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/27/2007	Findings:	8.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/27/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/27/2007	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/27/2007	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/27/2007	Findings:	364 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/27/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/27/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/27/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/30/2007	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/04/2007	Findings:	661 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/04/2007	Findings:	7.6
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/04/2007	Findings:	159 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12/04/2007	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12/04/2007	Findings:	260 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12/04/2007	Findings:	81 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/04/2007	Findings:	14 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12/04/2007	Findings:	40 MG/L
Chemical:	SODIUM		
Sample Collected:	12/04/2007	Findings:	3.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12/04/2007	Findings:	33 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12/04/2007	Findings:	.44 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12/04/2007	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	12/04/2007	Findings:	2.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/04/2007	Findings:	6 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/15/2008	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/15/2008	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/18/2008	Findings:	340 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/22/2008	Findings:	1.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/22/2008	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/22/2008	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/22/2008	Findings:	324 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/22/2008	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/22/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/22/2008	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/25/2008	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/29/2008	Findings:	8.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/29/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/29/2008	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/29/2008	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/04/2008	Findings:	404 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/04/2008	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/04/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/04/2008	Findings:	2.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/04/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/07/2008	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/12/2008	Findings:	8.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/12/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/12/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/12/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/12/2008	Findings:	1.1 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/12/2008	Findings:	1.6 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/12/2008	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/12/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/24/2009	Findings:	314 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/24/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/24/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/24/2009	Findings:	6.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/25/2009	Findings:	334 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/02/2009	Findings:	5.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/02/2009	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/02/2009	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/02/2009	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/02/2009	Findings:	1.2 UG/L
Chemical:	BROMODICHLORMETHANE (THM)		
Sample Collected:	04/02/2009	Findings:	1.6 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	04/02/2009	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/02/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/02/2009	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/02/2009	Findings:	4.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/29/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/29/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/29/2009	Findings:	.085 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/29/2009	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/02/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/06/2009	Findings:	7.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/06/2009	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/06/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/09/2006	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/12/2006	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/16/2006	Findings:	5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/16/2006	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/16/2006	Findings:	9.5 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/16/2006	Findings:	6.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/16/2006	Findings:	.014 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	05/16/2006	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/16/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/16/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/16/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/19/2006	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/23/2006	Findings:	6.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/23/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/23/2006	Findings:	8.2 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/23/2006	Findings:	5.5 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/19/2006	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/19/2006	Findings:	.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	09/19/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/19/2006	Findings:	4900 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	09/19/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/19/2006	Findings:	1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/19/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/19/2006	Findings:	5300 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/22/2006	Findings:	348 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/25/2006	Findings:	560 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/25/2006	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	09/25/2006	Findings:	150 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	09/25/2006	Findings:	180 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/25/2006	Findings:	180 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/25/2006	Findings:	58 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/25/2006	Findings:	9 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/25/2006	Findings:	352 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/25/2006	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	09/25/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/26/2006	Findings:	9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/26/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/26/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/26/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/20/2007	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/20/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/20/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/20/2007	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/23/2007	Findings:	412 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/27/2007	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	02/27/2007	Findings:	4.2 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/27/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/27/2007	Findings:	8.1 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/27/2007	Findings:	5.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/27/2007	Findings:	348 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/27/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/10/2007	Findings:	.015 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/10/2007	Findings:	388 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/10/2007	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/10/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/10/2007	Findings:	8700 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/10/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/10/2007	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/04/2007	Findings:	7.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/04/2007	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/04/2007	Findings:	23 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/04/2007	Findings:	15 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/04/2007	Findings:	398 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/04/2007	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12/04/2007	Findings:	27 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/04/2007	Findings:	7800 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	12/04/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/04/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/04/2007	Findings:	6200 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	12/04/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/05/2007	Findings:	388 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/05/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/05/2007	Findings:	1.2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	12/05/2007	Findings:	1.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/07/2007	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/11/2007	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/11/2007	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/11/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/11/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/29/2008	Findings:	340 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/29/2008	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/29/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/29/2008	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/29/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/02/2008	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/06/2008	Findings:	2.8 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05/06/2008	Findings:	4.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/06/2008	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/06/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/06/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/12/2008	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/12/2008	Findings:	3.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/12/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/13/2008	Findings:	.52 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	11/13/2008	Findings:	1.3 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	11/13/2008	Findings:	1.3 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/13/2008	Findings:	3.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/14/2008	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/18/2008	Findings:	8.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/18/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/18/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/18/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/18/2008	Findings:	424 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/18/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/18/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/18/2008	Findings:	1.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/18/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	11/21/2008	Findings:	406 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/26/2008	Findings:	10 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/26/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/26/2008	Findings:	21 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/02/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/03/2009	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/07/2009	Findings:	7.39 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/07/2009	Findings:	1.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/07/2009	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	04/07/2009	Findings:	618 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/07/2009	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	04/07/2009	Findings:	165 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	04/07/2009	Findings:	201 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/07/2009	Findings:	223 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	04/07/2009	Findings:	71 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/07/2009	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	04/07/2009	Findings:	43 MG/L
Chemical:	SODIUM		
Sample Collected:	04/07/2009	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/07/2009	Findings:	36 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/07/2009	Findings:	.47 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04/07/2009	Findings:	2.1 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/07/2009	Findings:	160 UG/L
Chemical:	BORON		
Sample Collected:	04/07/2009	Findings:	1.6 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	04/07/2009	Findings:	6.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	04/07/2009	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/07/2009	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/07/2009	Findings:	1.2 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/07/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/07/2009	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	04/07/2009	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/07/2009	Findings:	8300 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	10/06/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/06/2009	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2009	Findings:	.064 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/06/2009	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/09/2009	Findings:	400 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/13/2009	Findings:	10 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/13/2009	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/13/2009	Findings:	13 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/13/2009	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	10/13/2009	Findings:	410 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/13/2009	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/03/2006	Findings:	590 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/03/2006	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	01/03/2006	Findings:	168 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	01/03/2006	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	01/03/2006	Findings:	210 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	01/03/2006	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	01/03/2006	Findings:	10 MG/L
Chemical:	MAGNESIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/03/2006	Findings:	36 MG/L
Chemical:	SODIUM		
Sample Collected:	01/03/2006	Findings:	2.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01/03/2006	Findings:	18 MG/L
Chemical:	CHLORIDE		
Sample Collected:	01/03/2006	Findings:	.59 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05/23/2006	Findings:	.017 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	05/23/2006	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/23/2006	Findings:	19 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/23/2006	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/23/2006	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/24/2006	Findings:	7.6 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/24/2006	Findings:	5.1 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/26/2006	Findings:	302 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/30/2006	Findings:	5.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/30/2006	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/30/2006	Findings:	8.9 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/30/2006	Findings:	6 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/30/2006	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	05/30/2006	Findings:	326 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/30/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/26/2006	Findings:	340 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/26/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/26/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/26/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/29/2006	Findings:	362 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/03/2006	Findings:	8.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/03/2006	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/03/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/03/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/03/2006	Findings:	366 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/03/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/03/2006	Findings:	.8 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/03/2006	Findings:	.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/27/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/02/2007	Findings:	318 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/06/2007	Findings:	560 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/06/2007	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	03/06/2007	Findings:	163 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/06/2007	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/06/2007	Findings:	200 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/06/2007	Findings:	64 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/06/2007	Findings:	9.3 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/06/2007	Findings:	44 MG/L
Chemical:	SODIUM		
Sample Collected:	03/06/2007	Findings:	2.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/06/2007	Findings:	31 MG/L
Chemical:	CHLORIDE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/06/2007	Findings:	.53 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/06/2007	Findings:	2.5 UG/L
Chemical:	ARSENIC		
Sample Collected:	03/06/2007	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	03/06/2007	Findings:	2.5 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	03/06/2007	Findings:	7 UG/L
Chemical:	VANADIUM		
Sample Collected:	03/06/2007	Findings:	4.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/06/2007	Findings:	2.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/06/2007	Findings:	8.3 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/06/2007	Findings:	5.6 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/06/2007	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/06/2007	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/06/2007	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	03/06/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/06/2007	Findings:	8200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/10/2007	Findings:	20 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	07/10/2007	Findings:	508 PCI/L
Chemical:	RADON 222		
Sample Collected:	07/10/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/10/2007	Findings:	5800 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/10/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	07/10/2007	Findings:	1 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	07/13/2007	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/17/2007	Findings:	9.2 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/17/2007	Findings:	3.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/17/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/17/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/17/2007	Findings:	.016 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/17/2007	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/17/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/17/2007	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/17/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/17/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	07/20/2007	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/11/2007	Findings:	348 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/11/2007	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/11/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/11/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/11/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/13/2007	Findings:	669 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/13/2007	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	12/13/2007	Findings:	172 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12/13/2007	Findings:	210 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12/13/2007	Findings:	250 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12/13/2007	Findings:	79 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/13/2007	Findings:	13 MG/L
Chemical:	MAGNESIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/13/2007	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/13/2007	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12/13/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12/14/2007	Findings:	402 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/18/2007	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/18/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/18/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/18/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/06/2008	Findings:	328 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/06/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/06/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/06/2008	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/06/2008	Findings:	1 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/09/2008	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/13/2008	Findings:	2.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	05/13/2008	Findings:	5.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/13/2008	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/13/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/13/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/13/2008	Findings:	354 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/13/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/26/2008	Findings:	14 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/26/2008	Findings:	1.3 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	11/26/2008	Findings:	408 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/26/2008	Findings:	27 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/26/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/26/2008	Findings:	3.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/26/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/03/2008	Findings:	655 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/03/2008	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	12/03/2008	Findings:	197 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12/03/2008	Findings:	240 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12/03/2008	Findings:	243 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12/03/2008	Findings:	76 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/03/2008	Findings:	13 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12/03/2008	Findings:	39 MG/L
Chemical:	SODIUM		
Sample Collected:	12/03/2008	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12/03/2008	Findings:	36 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12/03/2008	Findings:	.5 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12/03/2008	Findings:	130 UG/L
Chemical:	BORON		
Sample Collected:	12/03/2008	Findings:	1.7 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/03/2008	Findings:	5.6 UG/L
Chemical:	VANADIUM		
Sample Collected:	12/03/2008	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/03/2008	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/03/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/07/2009	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/07/2009	Findings:	2.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/07/2009	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	04/07/2009	Findings:	5800 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/10/2009	Findings:	366 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/14/2009	Findings:	6.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/14/2009	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/14/2009	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/14/2009	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/14/2009	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/14/2009	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/14/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/14/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/14/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/17/2009	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/13/2009	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/13/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/16/2009	Findings:	410 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/20/2009	Findings:	630 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/20/2009	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	10/20/2009	Findings:	180 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/20/2009	Findings:	210 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/20/2009	Findings:	230 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10/20/2009	Findings:	73 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/20/2009	Findings:	12 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/20/2009	Findings:	40 MG/L
Chemical:	SODIUM		
Sample Collected:	10/20/2009	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10/20/2009	Findings:	32 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/20/2009	Findings:	.53 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10/20/2009	Findings:	2.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	10/20/2009	Findings:	7.2 UG/L
Chemical:	VANADIUM		
Sample Collected:	10/20/2009	Findings:	7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/20/2009	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/20/2009	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/20/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/20/2009	Findings:	1.1
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	10/20/2009	Findings:	27 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/20/2009	Findings:	4300 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	01/03/2006	Findings:	6.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	01/03/2006	Findings:	7.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/03/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/03/2006	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/03/2006	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/03/2006	Findings:	.025 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	01/03/2006	Findings:	446 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/03/2006	Findings:	.8
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	01/03/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/03/2006	Findings:	3000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	01/03/2006	Findings:	.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/03/2006	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/03/2006	Findings:	13
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	01/03/2006	Findings:	4700 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	01/06/2006	Findings:	404 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/10/2006	Findings:	7.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/10/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/10/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/10/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/30/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/30/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/01/2006	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/02/2006	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/06/2006	Findings:	582 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/06/2006	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	06/06/2006	Findings:	153 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/06/2006	Findings:	186 MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/06/2006	Findings:	198 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/06/2006	Findings:	63 MG/L
Chemical:	CALCIUM		
Sample Collected:	06/06/2006	Findings:	10 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/06/2006	Findings:	12 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/06/2006	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/06/2006	Findings:	10 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/06/2006	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/06/2006	Findings:	.015 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	06/06/2006	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/06/2006	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	06/06/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/06/2006	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/10/2006	Findings:	4.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/10/2006	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/10/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/10/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/10/2006	Findings:	.013 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	10/10/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/10/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/10/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/10/2006	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/11/2006	Findings:	12 PCI/L
Chemical:	RADON 222 COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/11/2006	Findings:	213 PCI/L
Chemical:	RADON 222		
Sample Collected:	10/13/2006	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/17/2006	Findings:	.342 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	10/17/2006	Findings:	.374 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10/17/2006	Findings:	545 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/17/2006	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	10/17/2006	Findings:	150 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	10/17/2006	Findings:	180 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/17/2006	Findings:	190 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10/17/2006	Findings:	61 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/17/2006	Findings:	9.1 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/17/2006	Findings:	39 MG/L
Chemical:	SODIUM		
Sample Collected:	10/17/2006	Findings:	2.8 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10/17/2006	Findings:	26 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/17/2006	Findings:	.6 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/06/2007	Findings:	.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/06/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03/06/2007	Findings:	5200 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	03/09/2007	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/09/2007	Findings:	1.4 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/09/2007	Findings:	2.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/13/2007	Findings:	4.2 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/13/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/13/2007	Findings:	8.8 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/13/2007	Findings:	5.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/13/2007	Findings:	.011 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/13/2007	Findings:	430 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/13/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/24/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/24/2007	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/24/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/24/2007	Findings:	.018 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/24/2007	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/24/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/24/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/24/2007	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/24/2007	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	07/27/2007	Findings:	388 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/31/2007	Findings:	6.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/31/2007	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/31/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/31/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/18/2007	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/18/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/18/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/18/2007	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/18/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/20/2007	Findings:	17 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	12/20/2007	Findings:	428 PCI/L
Chemical:	RADON 222		
Sample Collected:	12/21/2007	Findings:	336 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/26/2007	Findings:	7.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/26/2007	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/26/2007	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/26/2007	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/26/2007	Findings:	364 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/26/2007	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/13/2008	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/13/2008	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/13/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/16/2008	Findings:	366 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/23/2008	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/03/2008	Findings:	8.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/03/2008	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/03/2008	Findings:	21 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/03/2008	Findings:	14 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/03/2008	Findings:	358 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/03/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/03/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/03/2008	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/03/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/03/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/03/2008	Findings:	1.1 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	12/03/2008	Findings:	1.5 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	12/03/2008	Findings:	402 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/03/2008	Findings:	.6
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12/03/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/03/2008	Findings:	6200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	12/03/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/03/2008	Findings:	3.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/03/2008	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12/03/2008	Findings:	5200 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	12/03/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/05/2008	Findings:	426 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/09/2008	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/09/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/09/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/09/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/09/2008	Findings:	1.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/21/2009	Findings:	11.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/21/2009	Findings:	1.57 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/24/2009	Findings:	386 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/27/2009	Findings:	12 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/27/2009	Findings:	1.61 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/01/2009	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/04/2009	Findings:	8.31 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/04/2009	Findings:	2.42 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/04/2009	Findings:	6.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/04/2009	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/04/2009	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/04/2009	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/04/2009	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/04/2009	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/04/2009	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/04/2009	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/04/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/06/2009	Findings:	1.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/20/2009	Findings:	.094 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/20/2009	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/20/2009	Findings:	13
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/20/2009	Findings:	6000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/23/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/27/2009	Findings:	8.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/27/2009	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/27/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/27/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/27/2009	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/27/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/10/2006	Findings:	.018 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	01/10/2006	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/10/2006	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/10/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/10/2006	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/13/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/17/2006	Findings:	4.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/17/2006	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/17/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/17/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/17/2006	Findings:	.049 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	01/17/2006	Findings:	.6 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	01/17/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/17/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/06/2006	Findings:	.4 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/06/2006	Findings:	1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/06/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	06/09/2006	Findings:	312 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/13/2006	Findings:	7.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/13/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/13/2006	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/13/2006	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/13/2006	Findings:	.014 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	06/13/2006	Findings:	348 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/13/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/13/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/16/2006	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/20/2006	Findings:	9.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/20/2006	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/20/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/20/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/17/2006	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	10/17/2006	Findings:	6.6 UG/L
Chemical:	VANADIUM		
Sample Collected:	10/17/2006	Findings:	6.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/17/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/17/2006	Findings:	10 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/17/2006	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/17/2006	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/17/2006	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	10/17/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/17/2006	Findings:	4700 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	10/17/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/17/2006	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/17/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/17/2006	Findings:	4800 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	10/20/2006	Findings:	362 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/13/2007	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/13/2007	Findings:	.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/15/2007	Findings:	570 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/15/2007	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	03/15/2007	Findings:	168 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/15/2007	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/15/2007	Findings:	190 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/15/2007	Findings:	61 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/15/2007	Findings:	10 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/15/2007	Findings:	73 UG/L
Chemical:	COPPER		
Sample Collected:	03/15/2007	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/15/2007	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	03/15/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/16/2007	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/20/2007	Findings:	4.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/20/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/20/2007	Findings:	9 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/20/2007	Findings:	6 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/20/2007	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/20/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/20/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/21/2007	Findings:	17 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	03/21/2007	Findings:	389 PCI/L
Chemical:	RADON 222		
Sample Collected:	03/23/2007	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/31/2007	Findings:	.016 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/31/2007	Findings:	388 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/31/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/31/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/31/2007	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/31/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/03/2007	Findings:	358 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/07/2007	Findings:	.247 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	08/07/2007	Findings:	7.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/07/2007	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/07/2007	Findings:	.3 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/07/2007	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/07/2007	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/07/2007	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	08/07/2007	Findings:	366 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/07/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/26/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/26/2007	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/26/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/28/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/02/2008	Findings:	5.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/02/2008	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/02/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/02/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/02/2008	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/02/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/02/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/02/2008	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/02/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/04/2008	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/15/2008	Findings:	6.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/15/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/15/2008	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/15/2008	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/09/2008	Findings:	1.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/10/2008	Findings:	2.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	06/10/2008	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/10/2008	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/10/2008	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/10/2008	Findings:	13 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/10/2008	Findings:	364 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/10/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/10/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/10/2008	Findings:	5500 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	06/10/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/24/2008	Findings:	14 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	06/24/2008	Findings:	269 PCI/L
Chemical:	RADON 222		
Sample Collected:	07/22/2008	Findings:	6.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/22/2008	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/22/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/22/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/09/2008	Findings:	404 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/09/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/09/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/09/2008	Findings:	2.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/09/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/12/2008	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/16/2008	Findings:	7.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/16/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/16/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/16/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/16/2008	Findings:	1.4 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	12/16/2008	Findings:	388 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/16/2008	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/08/2009	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/12/2009	Findings:	7.06 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/12/2009	Findings:	2.46 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/12/2009	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/12/2009	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/12/2009	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/12/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/12/2009	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/12/2009	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/15/2009	Findings:	400 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/19/2009	Findings:	8.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/19/2009	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/19/2009	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/19/2009	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/30/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/03/2009	Findings:	5.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/03/2009	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/03/2009	Findings:	9.2 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/03/2009	Findings:	420 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/03/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/03/2009	Findings:	.055 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/03/2009	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/05/2009	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/05/2009	Findings:	1.1 UG/L
Chemical:	TRICHLOROACETIC ACID (TCAA)		
Sample Collected:	11/06/2009	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/17/2006	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/17/2006	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/20/2006	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/24/2006	Findings:	4.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/24/2006	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/24/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/24/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/24/2006	Findings:	.039 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	01/24/2006	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/24/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/24/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/24/2006	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/27/2006	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/20/2006	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	06/20/2006	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/20/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/20/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/20/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/23/2006	Findings:	314 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/27/2006	Findings:	6.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/27/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/27/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/27/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/27/2006	Findings:	.011 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	10/24/2006	Findings:	8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/24/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/24/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/24/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/24/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/24/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/24/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/24/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/27/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/31/2006	Findings:	8.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/31/2006	Findings:	3.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/31/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/31/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/27/2007	Findings:	6.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/27/2007	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/27/2007	Findings:	7.9 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/27/2007	Findings:	5.3 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/27/2007	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/27/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/27/2007	Findings:	.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/30/2007	Findings:	334 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/03/2007	Findings:	.65 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	04/03/2007	Findings:	2.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/03/2007	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	04/03/2007	Findings:	1.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/03/2007	Findings:	7.3 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/03/2007	Findings:	4.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/07/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/07/2007	Findings:	5700 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	08/07/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/07/2007	Findings:	1 PCI/L
Chemical:	RADIUM 228 MDA95		
Sample Collected:	08/10/2007	Findings:	386 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/14/2007	Findings:	7.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/14/2007	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/14/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/14/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/14/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/14/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/14/2007	Findings:	.55 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/14/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/14/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/17/2007	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2007	Findings:	7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/21/2007	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/21/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/21/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/15/2008	Findings:	362 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/15/2008	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/15/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/15/2008	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/15/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/18/2008	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/22/2008	Findings:	7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/22/2008	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/22/2008	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/22/2008	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/22/2008	Findings:	384 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/22/2008	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/22/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/22/2008	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/22/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	07/29/2008	Findings:	6.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/29/2008	Findings:	2.31 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/29/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/29/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/29/2008	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/29/2008	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/16/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/16/2008	Findings:	3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/16/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	12/19/2008	Findings:	412 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/24/2008	Findings:	404 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/31/2008	Findings:	410 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/06/2009	Findings:	.664 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/06/2009	Findings:	.25 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	01/06/2009	Findings:	655 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/06/2009	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	01/06/2009	Findings:	177 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	01/06/2009	Findings:	216 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	01/06/2009	Findings:	225 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	01/06/2009	Findings:	72 MG/L
Chemical:	CALCIUM		
Sample Collected:	01/06/2009	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	01/06/2009	Findings:	41 MG/L
Chemical:	SODIUM		
Sample Collected:	01/06/2009	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	01/06/2009	Findings:	36 MG/L
Chemical:	CHLORIDE		
Sample Collected:	01/06/2009	Findings:	.53 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	01/06/2009	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	01/06/2009	Findings:	1.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	01/06/2009	Findings:	6.3 UG/L
Chemical:	VANADIUM		
Sample Collected:	01/06/2009	Findings:	1.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/06/2009	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/06/2009	Findings:	13 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/19/2009	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/19/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/19/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/19/2009	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/19/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/22/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/26/2009	Findings:	8.73 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/26/2009	Findings:	1.63 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/26/2009	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/26/2009	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/26/2009	Findings:	1.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	05/26/2009	Findings:	398 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/26/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/10/2009	Findings:	6.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/10/2009	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/10/2009	Findings:	8.8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/10/2009	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/10/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/10/2009	Findings:	.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/10/2009	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/13/2009	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/20/2009	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/27/2009	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/04/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/31/2006	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/31/2006	Findings:	3.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/31/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/31/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/31/2006	Findings:	.053 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	01/31/2006	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/31/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/31/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/31/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/03/2006	Findings:	560 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/07/2006	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	02/07/2006	Findings:	9.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/07/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/07/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/07/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/27/2006	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/27/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/27/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/27/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/30/2006	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/04/2006	Findings:	9.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/04/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/04/2006	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/04/2006	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/04/2006	Findings:	340 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/04/2006	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/04/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/04/2006	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/31/2006	Findings:	330 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/31/2006	Findings:	20 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/31/2006	Findings:	.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/31/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/03/2006	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/07/2006	Findings:	.255 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	11/07/2006	Findings:	.428 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/07/2006	Findings:	9.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/07/2006	Findings:	3.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/07/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/07/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/07/2006	Findings:	326 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/07/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/03/2007	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/03/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/03/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/03/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/03/2007	Findings:	5200 UG/L
Chemical:	NITRATE + NITRITE (AS N)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/03/2007	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/06/2007	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/10/2007	Findings:	3.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/10/2007	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/10/2007	Findings:	5.8 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/10/2007	Findings:	3.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/10/2007	Findings:	314 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/10/2007	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/21/2007	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/21/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/21/2007	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/21/2007	Findings:	.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/21/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/24/2007	Findings:	366 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/28/2007	Findings:	4.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/28/2007	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/28/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/28/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/28/2007	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/22/2008	Findings:	340 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/22/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/22/2008	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/22/2008	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/22/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/25/2008	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/29/2008	Findings:	7.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/29/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/29/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/29/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/29/2008	Findings:	410 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/29/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/29/2008	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/29/2008	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/29/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/29/2008	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/29/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/05/2008	Findings:	7.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/05/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/05/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/05/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/05/2008	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/05/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/05/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/06/2009	Findings:	394 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/06/2009	Findings:	.1
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	01/06/2009	Findings:	27 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/06/2009	Findings:	14000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	01/06/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/06/2009	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/06/2009	Findings:	8.8 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	01/06/2009	Findings:	129 PCI/L
Chemical:	RADON 222		
Sample Collected:	01/06/2009	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	01/06/2009	Findings:	6100 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	01/06/2009	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/09/2009	Findings:	424 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/13/2009	Findings:	13 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/13/2009	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/13/2009	Findings:	26 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/13/2009	Findings:	17 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/26/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/26/2009	Findings:	2.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/29/2009	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/02/2009	Findings:	8.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/02/2009	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/02/2009	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/02/2009	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/02/2009	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/02/2009	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/02/2009	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/07/2006	Findings:	.026 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/07/2006	Findings:	358 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/07/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/07/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/07/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/10/2006	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/14/2006	Findings:	8.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/14/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/14/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/14/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/14/2006	Findings:	.038 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/14/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/14/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/07/2006	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/11/2006	Findings:	8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/11/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/11/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/11/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/11/2006	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/11/2006	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/11/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/11/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/07/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/07/2006	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/10/2006	Findings:	350 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/14/2006	Findings:	7.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/14/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/14/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/14/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	11/14/2006	Findings:	328 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/14/2006	Findings:	20 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/14/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/17/2006	Findings:	340 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/21/2006	Findings:	6.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/21/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/21/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/21/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/10/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/10/2007	Findings:	1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/10/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/13/2007	Findings:	334 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	04/17/2007	Findings:	1.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/17/2007	Findings:	9 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/17/2007	Findings:	6 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/17/2007	Findings:	306 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/17/2007	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/17/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	04/17/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/28/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/28/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/28/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/28/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/31/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/31/2007	Findings:	2.9 UG/L
Chemical:	ARSENIC		
Sample Collected:	09/04/2007	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	09/04/2007	Findings:	597 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/04/2007	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	09/04/2007	Findings:	181 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	09/04/2007	Findings:	220 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/04/2007	Findings:	210 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/04/2007	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/04/2007	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/04/2007	Findings:	42 MG/L
Chemical:	SODIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/04/2007	Findings:	2.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/04/2007	Findings:	30 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/04/2007	Findings:	.61 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/04/2007	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	09/04/2007	Findings:	6.1 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/04/2007	Findings:	6.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/04/2007	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/04/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/04/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/04/2007	Findings:	.062 MG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	09/04/2007	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/04/2007	Findings:	.4
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	09/04/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/04/2007	Findings:	7200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	01/29/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/01/2008	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/05/2008	Findings:	7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/05/2008	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/05/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/05/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/05/2008	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/05/2008	Findings:	26 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/05/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/05/2008	Findings:	1.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/05/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/08/2008	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/12/2008	Findings:	5.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/12/2008	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/12/2008	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/12/2008	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/05/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/12/2008	Findings:	5.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/12/2008	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/12/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/12/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/12/2008	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/12/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/12/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/12/2008	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/12/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/19/2008	Findings:	8.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/19/2008	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/19/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/19/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/13/2009	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/13/2009	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/13/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/13/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/13/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/16/2009	Findings:	434 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/20/2009	Findings:	9.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/20/2009	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/20/2009	Findings:	25 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/20/2009	Findings:	17 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/20/2009	Findings:	436 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/20/2009	Findings:	29 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/02/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/04/2009	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/09/2009	Findings:	10 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/09/2009	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/09/2009	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/09/2009	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/09/2009	Findings:	1.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	06/09/2009	Findings:	364 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/09/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/09/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	06/09/2009	Findings:	2.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/09/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/12/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/16/2009	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	06/16/2009	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/16/2009	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/16/2009	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/16/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/16/2009	Findings:	1.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/14/2006	Findings:	.45 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/14/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/17/2006	Findings:	348 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/21/2006	Findings:	8.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/21/2006	Findings:	3.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/21/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/21/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/21/2006	Findings:	.029 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/21/2006	Findings:	.6 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	02/21/2006	Findings:	312 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/21/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/21/2006	Findings:	.4 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/21/2006	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/24/2006	Findings:	308 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/28/2006	Findings:	8.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/28/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/28/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/28/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/11/2006	Findings:	.013 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/13/2006	Findings:	592 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/13/2006	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	07/13/2006	Findings:	147 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/13/2006	Findings:	180 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/13/2006	Findings:	220 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/13/2006	Findings:	68 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/13/2006	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	11/21/2006	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/21/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/21/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/21/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	11/24/2006	Findings:	328 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/28/2006	Findings:	6.5 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	11/28/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/28/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	11/28/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	11/28/2006	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/28/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/17/2007	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/20/2007	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/24/2007	Findings:	5.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/24/2007	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/24/2007	Findings:	11 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/24/2007	Findings:	7.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/24/2007	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/24/2007	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/24/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	04/24/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	04/27/2007	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/01/2007	Findings:	.123 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	05/01/2007	Findings:	.29 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05/01/2007	Findings:	4.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/01/2007	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/01/2007	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/01/2007	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/04/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/04/2007	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/04/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/04/2007	Findings:	5300 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/04/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	09/07/2007	Findings:	360 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/10/2007	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/11/2007	Findings:	5.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/11/2007	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/11/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/11/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/11/2007	Findings:	.015 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	09/11/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/11/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/12/2008	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/12/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/12/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/12/2008	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/12/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/15/2008	Findings:	412 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/17/2008	Findings:	15 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/17/2008	Findings:	2.08 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/19/2008	Findings:	4.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/19/2008	Findings:	2.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/19/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/19/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/19/2008	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/19/2008	Findings:	19 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/19/2008	Findings:	408 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/19/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/19/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/19/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/26/2008	Findings:	4.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/26/2008	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/26/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/26/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/26/2008	Findings:	354 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/26/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/20/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/20/2009	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/20/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	01/23/2009	Findings:	454 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/27/2009	Findings:	12 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/27/2009	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/27/2009	Findings:	32 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/27/2009	Findings:	21 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	01/27/2009	Findings:	418 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/27/2009	Findings:	29 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/27/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	01/27/2009	Findings:	1.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/27/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/16/2009	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/16/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/16/2009	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/16/2009	Findings:	2.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/16/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/19/2009	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/23/2009	Findings:	6.9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	06/23/2009	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/23/2009	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	06/23/2009	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/23/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/23/2009	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/28/2006	Findings:	.019 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/28/2006	Findings:	284 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/28/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/28/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/28/2006	Findings:	1.8 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/03/2006	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/07/2006	Findings:	9.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/07/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/07/2006	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/07/2006	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/07/2006	Findings:	.026 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/07/2006	Findings:	.6 UG/L
Chemical:	TRICHLOROETHYLENE		
Sample Collected:	03/07/2006	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/07/2006	Findings:	27 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/13/2006	Findings:	45 MG/L
Chemical:	SODIUM		
Sample Collected:	07/13/2006	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/13/2006	Findings:	27 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/13/2006	Findings:	.6 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/13/2006	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	07/13/2006	Findings:	5.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/13/2006	Findings:	6.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/13/2006	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/13/2006	Findings:	10 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/13/2006	Findings:	6.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/13/2006	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/13/2006	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/13/2006	Findings:	.2
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/13/2006	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/13/2006	Findings:	7400 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/13/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/13/2006	Findings:	13 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	07/13/2006	Findings:	299 PCI/L
Chemical:	RADON 222		
Sample Collected:	07/13/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/13/2006	Findings:	5400 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/14/2006	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	11/28/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/28/2006	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/01/2006	Findings:	422 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/05/2006	Findings:	8.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/05/2006	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/05/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/05/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/05/2006	Findings:	334 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/05/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/05/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/05/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/01/2007	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/01/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/01/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/01/2007	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/01/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/04/2007	Findings:	354 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/08/2007	Findings:	10 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/08/2007	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/08/2007	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/08/2007	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/08/2007	Findings:	424 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/08/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/11/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/11/2007	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/11/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	09/14/2007	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/18/2007	Findings:	4.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/18/2007	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/18/2007	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/18/2007	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/18/2007	Findings:	.012 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	09/18/2007	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/18/2007	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/18/2007	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/18/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	09/21/2007	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/02/2007	Findings:	.327 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	10/02/2007	Findings:	604 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/02/2007	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	10/02/2007	Findings:	179 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	10/02/2007	Findings:	220 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/02/2007	Findings:	230 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	10/02/2007	Findings:	73 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/02/2007	Findings:	12 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	10/02/2007	Findings:	41 MG/L
Chemical:	SODIUM		
Sample Collected:	10/02/2007	Findings:	3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/19/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/22/2008	Findings:	324 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/26/2008	Findings:	1.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/26/2008	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/26/2008	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/26/2008	Findings:	332 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/26/2008	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/26/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/26/2008	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/26/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	08/27/2008	Findings:	.76 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/27/2008	Findings:	1.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/29/2008	Findings:	376 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/02/2008	Findings:	8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/02/2008	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/02/2008	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/02/2008	Findings:	13 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/02/2008	Findings:	416 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/02/2008	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/30/2009	Findings:	452 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	01/30/2009	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/31/2009	Findings:	13 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/31/2009	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	01/31/2009	Findings:	27 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	01/31/2009	Findings:	18 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	06/23/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	06/23/2009	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	06/23/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	06/26/2009	Findings:	382 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/02/2009	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/07/2009	Findings:	593 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/07/2009	Findings:	7.8
Chemical:	PH, LABORATORY		
Sample Collected:	07/07/2009	Findings:	165 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/07/2009	Findings:	201 MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/07/2009	Findings:	232 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/07/2009	Findings:	73 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/07/2009	Findings:	12 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/07/2009	Findings:	42 MG/L
Chemical:	SODIUM		
Sample Collected:	07/07/2009	Findings:	3.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/07/2009	Findings:	30.5 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/07/2009	Findings:	.54 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/07/2009	Findings:	2.2 UG/L
Chemical:	ARSENIC		
Sample Collected:	07/07/2009	Findings:	150 UG/L
Chemical:	BORON		
Sample Collected:	07/07/2009	Findings:	2.1 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	07/07/2009	Findings:	7.3 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/07/2009	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/07/2009	Findings:	.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/07/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/07/2009	Findings:	5200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/07/2009	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/07/2009	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/07/2009	Findings:	5100 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	08/04/2009	Findings:	10 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/04/2009	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/04/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/07/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/07/2006	Findings:	2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/09/2006	Findings:	.36 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	03/09/2006	Findings:	1.6 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/09/2006	Findings:	1.3 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	03/09/2006	Findings:	2.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/10/2006	Findings:	398 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/14/2006	Findings:	6.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/14/2006	Findings:	2.5 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/14/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/14/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/14/2006	Findings:	1.2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/14/2006	Findings:	1.2 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	03/14/2006	Findings:	.021 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/14/2006	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/14/2006	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/14/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/14/2006	Findings:	2.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/18/2006	Findings:	11 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/18/2006	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/18/2006	Findings:	8.8 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/18/2006	Findings:	5.9 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/18/2006	Findings:	368 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/18/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/18/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/18/2006	Findings:	1.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/21/2006	Findings:	366 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/25/2006	Findings:	5.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/25/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/25/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/25/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/06/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/08/2006	Findings:	358 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/12/2006	Findings:	9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/12/2006	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/12/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/12/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/12/2006	Findings:	314 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/12/2006	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/12/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/12/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/15/2006	Findings:	308 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/19/2006	Findings:	606 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/19/2006	Findings:	8.1
Chemical:	PH, LABORATORY		
Sample Collected:	12/19/2006	Findings:	162 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/19/2006	Findings:	200 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12/19/2006	Findings:	208 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12/19/2006	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/19/2006	Findings:	10 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12/19/2006	Findings:	7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/19/2006	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/19/2006	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/19/2006	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/08/2007	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/08/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/11/2007	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/15/2007	Findings:	6.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/15/2007	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/15/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/15/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	05/15/2007	Findings:	290 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/15/2007	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/15/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/15/2007	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/15/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/18/2007	Findings:	328 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/22/2007	Findings:	7.1 PCI/L
Chemical:	GROSS ALPHA		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/22/2007	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/22/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/22/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/02/2007	Findings:	32 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/02/2007	Findings:	.59 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	10/02/2007	Findings:	6.2 UG/L
Chemical:	VANADIUM		
Sample Collected:	10/02/2007	Findings:	4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/02/2007	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/02/2007	Findings:	.38 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	10/02/2007	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/02/2007	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/02/2007	Findings:	.013 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	10/02/2007	Findings:	374 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/02/2007	Findings:	.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	10/02/2007	Findings:	25 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/02/2007	Findings:	7200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	10/02/2007	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/02/2007	Findings:	1.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/02/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	10/02/2007	Findings:	5600 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	10/02/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/02/2007	Findings:	1 PCI/L
Chemical:	RADIUM 228 MDA95		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/05/2007	Findings:	396 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/26/2008	Findings:	3 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/29/2008	Findings:	336 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/04/2008	Findings:	6.2 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/04/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/04/2008	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/04/2008	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/04/2008	Findings:	320 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/04/2008	Findings:	20 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/04/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/04/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/07/2008	Findings:	330 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/11/2008	Findings:	7.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/11/2008	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/11/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/11/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/02/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/02/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	09/05/2008	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/09/2008	Findings:	591 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/09/2008	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	09/09/2008	Findings:	181 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/09/2008	Findings:	221 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/09/2008	Findings:	232 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/09/2008	Findings:	73 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/09/2008	Findings:	12 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/09/2008	Findings:	40 MG/L
Chemical:	SODIUM		
Sample Collected:	09/09/2008	Findings:	3.5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/09/2008	Findings:	30 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/09/2008	Findings:	.52 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/09/2008	Findings:	130 UG/L
Chemical:	BORON		
Sample Collected:	09/09/2008	Findings:	5.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/09/2008	Findings:	6.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/09/2008	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/09/2008	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/09/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/09/2008	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/09/2008	Findings:	.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	09/09/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/09/2008	Findings:	7200 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	01/31/2009	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	01/31/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/03/2009	Findings:	9.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/03/2009	Findings:	2.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/03/2009	Findings:	27 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/03/2009	Findings:	18 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/03/2009	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/03/2009	Findings:	422 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/03/2009	Findings:	30 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/03/2009	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/03/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/04/2009	Findings:	.011 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	08/04/2009	Findings:	410 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/04/2009	Findings:	24 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/04/2009	Findings:	.25 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/04/2009	Findings:	.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/06/2009	Findings:	.42 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	08/06/2009	Findings:	1.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/07/2009	Findings:	380 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/11/2009	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	08/11/2009	Findings:	8.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/11/2009	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/11/2009	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/17/2006	Findings:	386 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/21/2006	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	03/21/2006	Findings:	582 US
Chemical:	SPECIFIC CONDUCTANCE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/21/2006	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	03/21/2006	Findings:	154 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	03/21/2006	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/21/2006	Findings:	210 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/21/2006	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/21/2006	Findings:	11 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/21/2006	Findings:	39 MG/L
Chemical:	SODIUM		
Sample Collected:	03/21/2006	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/21/2006	Findings:	27 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/21/2006	Findings:	.51 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/21/2006	Findings:	1.9 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	03/21/2006	Findings:	8.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	03/21/2006	Findings:	3.4 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/21/2006	Findings:	2.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/21/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/21/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/21/2006	Findings:	1.2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	03/21/2006	Findings:	372 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/21/2006	Findings:	.3
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	03/21/2006	Findings:	20 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/21/2006	Findings:	7800 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/25/2006	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/25/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/25/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/25/2006	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	07/28/2006	Findings:	364 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/01/2006	Findings:	8.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/01/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/01/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/01/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/01/2006	Findings:	370 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/01/2006	Findings:	20 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/01/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/19/2006	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/19/2006	Findings:	.8
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12/19/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/19/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/19/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/19/2006	Findings:	13
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12/22/2006	Findings:	378 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/26/2006	Findings:	7.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/26/2006	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	12/26/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	12/26/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/22/2007	Findings:	352 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/22/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/22/2007	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/22/2007	Findings:	1.2 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	05/22/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/25/2007	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/29/2007	Findings:	7.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	05/29/2007	Findings:	3.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/29/2007	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	05/29/2007	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/09/2007	Findings:	7.3 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/09/2007	Findings:	2.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/09/2007	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	10/09/2007	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	10/09/2007	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/09/2007	Findings:	27 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10/09/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	10/09/2007	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	10/09/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/12/2007	Findings:	402 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	10/16/2007	Findings:	1.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/16/2007	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	10/16/2007	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/11/2008	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/11/2008	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/11/2008	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/11/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/14/2008	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/18/2008	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/18/2008	Findings:	2.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/18/2008	Findings:	15 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/18/2008	Findings:	10 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/18/2008	Findings:	352 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/18/2008	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/09/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/09/2008	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/09/2008	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/09/2008	Findings:	5300 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/09/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	09/12/2008	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/19/2008	Findings:	364 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/23/2008	Findings:	5.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/23/2008	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/23/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/23/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/23/2008	Findings:	1.2 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	09/23/2008	Findings:	400 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/23/2008	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/23/2008	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/23/2008	Findings:	2.7 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	09/23/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	09/30/2008	Findings:	9 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/30/2008	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/30/2008	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	09/30/2008	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/03/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/06/2009	Findings:	434 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/10/2009	Findings:	15 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/10/2009	Findings:	2.9 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/10/2009	Findings:	26 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/10/2009	Findings:	17 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/10/2009	Findings:	.02 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	02/10/2009	Findings:	424 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/10/2009	Findings:	30 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/10/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	02/10/2009	Findings:	1.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	02/10/2009	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	02/11/2009	Findings:	1.3 MG/L
Chemical:	TOTAL ORGANIC CARBON (TOC)		
Sample Collected:	02/11/2009	Findings:	2 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/11/2009	Findings:	1.4 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	02/11/2009	Findings:	3.4 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	02/13/2009	Findings:	410 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/17/2009	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	02/17/2009	Findings:	15 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	02/17/2009	Findings:	2.08 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/17/2009	Findings:	26 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	02/17/2009	Findings:	17 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	02/17/2009	Findings:	1.4 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	02/17/2009	Findings:	1.1 UG/L
Chemical:	DIBROMOCHLOROMETHANE (THM)		
Sample Collected:	08/11/2009	Findings:	420 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/11/2009	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/11/2009	Findings:	.12 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/11/2009	Findings:	.58 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/14/2009	Findings:	390 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/18/2009	Findings:	7.1 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/18/2009	Findings:	19 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/18/2009	Findings:	13 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/18/2009	Findings:	400 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/18/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/21/2006	Findings:	.15 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/21/2006	Findings:	2.1 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/21/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03/21/2006	Findings:	4600 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	03/24/2006	Findings:	356 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/28/2006	Findings:	12 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	03/28/2006	Findings:	3.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	03/28/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/28/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/28/2006	Findings:	.014 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/28/2006	Findings:	330 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/28/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/28/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	03/28/2006	Findings:	1.9 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	03/31/2006	Findings:	346 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/04/2006	Findings:	12 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/04/2006	Findings:	3.1 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/04/2006	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	04/04/2006	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	04/04/2006	Findings:	1.1 UG/L
Chemical:	BROMOFORM (THM)		
Sample Collected:	08/01/2006	Findings:	.5 UG/L
Chemical:	TOTAL TRIHALOMETHANES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08/04/2006	Findings:	330 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/08/2006	Findings:	4.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/08/2006	Findings:	2.3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/08/2006	Findings:	14 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/08/2006	Findings:	9.4 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	08/08/2006	Findings:	342 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/08/2006	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/08/2006	Findings:	.35 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	08/08/2006	Findings:	.6 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	08/11/2006	Findings:	406 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	08/15/2006	Findings:	6.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	08/15/2006	Findings:	3 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	08/15/2006	Findings:	12 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	08/15/2006	Findings:	8 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	12/26/2006	Findings:	392 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/26/2006	Findings:	21 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/26/2006	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	12/26/2006	Findings:	1.3 UG/L
Chemical:	TOTAL TRIHALOMETHANES		
Sample Collected:	12/27/2006	Findings:	16 PCI/L
Chemical:	RADON 222 COUNTING ERROR		
Sample Collected:	12/27/2006	Findings:	302 PCI/L
Chemical:	RADON 222		
Sample Collected:	12/29/2006	Findings:	570 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	12/29/2006	Findings:	8.1
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12/29/2006	Findings:	159 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	12/29/2006	Findings:	190 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	12/29/2006	Findings:	210 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	12/29/2006	Findings:	67 MG/L
Chemical:	CALCIUM		
Sample Collected:	12/29/2006	Findings:	10 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	12/29/2006	Findings:	37 MG/L
Chemical:	SODIUM		
Sample Collected:	12/29/2006	Findings:	2.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	12/29/2006	Findings:	27.1 MG/L
Chemical:	CHLORIDE		
Sample Collected:	12/29/2006	Findings:	.58 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	12/29/2006	Findings:	120 UG/L
Chemical:	BORON		
Sample Collected:	12/29/2006	Findings:	2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	12/29/2006	Findings:	6.7 UG/L
Chemical:	VANADIUM		
Sample Collected:	12/29/2006	Findings:	344 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	12/29/2006	Findings:	.8
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	12/29/2006	Findings:	22 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/29/2006	Findings:	2500 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	12/29/2006	Findings:	13
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	12/29/2006	Findings:	5000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	01/02/2007	Findings:	.481 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	01/02/2007	Findings:	.442 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	01/02/2007	Findings:	3.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	01/02/2007	Findings:	2.2 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: 01/02/2007 Findings: 12 UG/L
Chemical: URANIUM (UG/L)

Sample Collected: 01/02/2007 Findings: 8 PCI/L
Chemical: URANIUM (PCI/L)

A3 **ENE** **1/4 - 1/2 Mile Higher**

Site ID:	083303149T	**AQUIFLOW**	**54880**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	100		
Date:	05/29/1998		

A4 **ENE** **1/4 - 1/2 Mile Higher**

Site ID:	083303149T	**AQUIFLOW**	**54882**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	100		
Date:	05/29/1998		

A5 **ENE** **1/4 - 1/2 Mile Higher**

Site ID:	083303149T	**AQUIFLOW**	**54881**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	100		
Date:	05/29/1998		

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6 **NNW** **1/2 - 1 Mile Lower**

Site ID:	083300500T	**AQUIFLOW**	**67250**
Groundwater Flow:	SW		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	125		
Date:	07/22/1986		

A7 **ENE** **1/2 - 1 Mile Higher**

Site ID:	083300601T	**AQUIFLOW**	**39020**
Groundwater Flow:	W		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	160		
Date:	10/29/1987		

A8 **ENE** **1/2 - 1 Mile Higher**

Site ID:	083300601T	**AQUIFLOW**	**66355**
Groundwater Flow:	W		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	160'		
Date:	10/29/1987		

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9 **SE** **1/2 - 1 Mile Higher**

Site ID:	083302877T	**AQUIFLOW**	**50809**
Groundwater Flow:	Not Reported		
Shallow Water Depth:	100		
Deep Water Depth:	110		
Average Water Depth:	Not Reported		
Date:	06/03/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number

B10 **WSW** **1/2 - 1 Mile Lower**

Site ID:	083301742T	**AQUIFLOW**	**37820**
Groundwater Flow:	NW		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	135		
Date:	06/30/1995		

B11 **WSW** **1/2 - 1 Mile Lower**

Site ID:	083301742T	**AQUIFLOW**	**37821**
Groundwater Flow:	NW		
Shallow Water Depth:	Not Reported		
Deep Water Depth:	Not Reported		
Average Water Depth:	135		
Date:	06/30/1995		

C12 **NW** **1/2 - 1 Mile Lower**

FED USGS **USGS3124400**

Agency cd:	USGS	Site no:	335928117212201
Site name:	002S005W13Q002S		
Latitude:	335928	EDR Site id:	USGS3124400
Longitude:	1172122	Dec lat:	33.99112622
Dec lon:	-117.35698888	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	RIVERSIDE EAST	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	401	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C13
NW
1/2 - 1 Mile
Lower | **CA WELLS** | **2513**

Water System Information:

Prime Station Code:	02S/05W-13Q02 S	User ID:	WAT
FRDS Number:	3310031009	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Agricultural/Irrigation Well
Source Lat/Long:	335931.5 1172119.3	Precision:	10 Feet (1/10 Second)
Source Name:	CUNNINGHAM - AGRICULTURAL		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:			
	3900 MAIN STREET		
	RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		

Sample Collected:	07/20/2006	Findings:	1140 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/20/2006	Findings:	7.7
Chemical:	PH, LABORATORY		
Sample Collected:	07/20/2006	Findings:	284 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/20/2006	Findings:	350 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/20/2006	Findings:	430 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/20/2006	Findings:	130 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/20/2006	Findings:	26 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/20/2006	Findings:	79 MG/L
Chemical:	SODIUM		
Sample Collected:	07/20/2006	Findings:	5 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/20/2006	Findings:	96 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/20/2006	Findings:	.53 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/20/2006	Findings:	110 UG/L
Chemical:	BORON		
Sample Collected:	07/20/2006	Findings:	4.6 UG/L
Chemical:	VANADIUM		

Sample Collected:	07/20/2006	Findings:	15 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/20/2006	Findings:	3.4 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2006	Findings:	28 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/20/2006	Findings:	19 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/20/2006	Findings:	.9 UG/L
Chemical:	TETRACHLOROETHYLENE		
Sample Collected:	07/20/2006	Findings:	.8 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	07/20/2006	Findings:	1.15 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/20/2006	Findings:	704 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/20/2006	Findings:	.9
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/20/2006	Findings:	70 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/20/2006	Findings:	11000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/20/2006	Findings:	.6 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/20/2006	Findings:	13
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/20/2006	Findings:	16000 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/20/2006	Findings:	7.5 UG/L
Chemical:	PERCHLORATE		

14
WNW
1/2 - 1 Mile
Lower | **FED USGS** | **USGS3124377**

Agency cd:	USGS	Site no:	335907117214301
Site name:	002S005W24D001S		
Latitude:	335907	EDR Site id:	USGS3124377
Longitude:	1172143	Dec lat:	33.98529293
Dec lon:	-117.36282233	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	065
Country:	US	Land net:	Not Reported
Location map:	RIVERSIDE EAST	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Santa Ana. California. Area = 1680 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	270	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	9479335800		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

15
WSW
1/2 - 1 Mile
Lower

AQUIFLOW **50163**

Site ID:	91354
Groundwater Flow:	W
Shallow Water Depth:	124
Deep Water Depth:	127
Average Water Depth:	Not Reported
Date:	07/22/1997

16
WNW
1/2 - 1 Mile
Lower

CA WELLS **2533**

Water System Information:

Prime Station Code:	02S/05W-24D01 S	User ID:	WAT
FRDS Number:	3310031020	County:	Riverside
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	335913.2 1172142.6	Precision:	10 Feet (1/10 Second)
Source Name:	FIRST STREET - INACTIVE		
System Number:	3310031		
System Name:	Riverside, City of		
Organization That Operates System:	3900 MAIN STREET RIVERSIDE, CA 92522		
Pop Served:	245000	Connections:	58586
Area Served:	RIVERSIDE		
Sample Collected:	09/04/2007	Findings:	4.3 UG/L
Chemical:	VANADIUM		
Sample Collected:	09/04/2007	Findings:	8.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/04/2007	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/04/2007	Findings:	17 UG/L
Chemical:	URANIUM (UG/L)		

Sample Collected:	09/04/2007	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	09/04/2007	Findings:	4 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	09/04/2007	Findings:	.12 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	09/04/2007	Findings:	650 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	09/04/2007	Findings:	.5
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	09/04/2007	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/04/2007	Findings:	20000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	09/04/2007	Findings:	.1 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	09/04/2007	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	09/04/2007	Findings:	5200 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	09/04/2007	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	10/31/2007	Findings:	.1 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/27/2008	Findings:	.06 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/25/2008	Findings:	956 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/25/2008	Findings:	7.2
Chemical:	PH, LABORATORY		
Sample Collected:	07/25/2008	Findings:	252 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/25/2008	Findings:	307 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/25/2008	Findings:	324 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/25/2008	Findings:	100 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/25/2008	Findings:	18 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/25/2008	Findings:	66 MG/L
Chemical:	SODIUM		
Sample Collected:	07/25/2008	Findings:	3.9 MG/L
Chemical:	POTASSIUM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/25/2008	Findings:	79 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/25/2008	Findings:	.34 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/25/2008	Findings:	250 UG/L
Chemical:	BORON		
Sample Collected:	07/25/2008	Findings:	4.6 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/25/2008	Findings:	7.7 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/25/2008	Findings:	2.6 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/25/2008	Findings:	16 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/25/2008	Findings:	11 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/25/2008	Findings:	1.6 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	07/25/2008	Findings:	.05 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	07/25/2008	Findings:	614 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/25/2008	Findings:	.2
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/25/2008	Findings:	19 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/25/2008	Findings:	32000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/25/2008	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/25/2008	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/25/2008	Findings:	4300 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/25/2008	Findings:	2 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	03/12/2009	Findings:	2 TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	03/12/2009	Findings:	949 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/12/2009	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	03/12/2009	Findings:	254 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/12/2009	Findings:	310 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	03/12/2009	Findings:	353 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	03/12/2009	Findings:	110 MG/L
Chemical:	CALCIUM		
Sample Collected:	03/12/2009	Findings:	19 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	03/12/2009	Findings:	70 MG/L
Chemical:	SODIUM		
Sample Collected:	03/12/2009	Findings:	4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	03/12/2009	Findings:	72 MG/L
Chemical:	CHLORIDE		
Sample Collected:	03/12/2009	Findings:	.32 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	03/12/2009	Findings:	270 UG/L
Chemical:	BORON		
Sample Collected:	03/12/2009	Findings:	4.9 UG/L
Chemical:	VANADIUM		
Sample Collected:	03/12/2009	Findings:	18 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	03/12/2009	Findings:	12 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	03/12/2009	Findings:	1.7 UG/L
Chemical:	1,1-DICHLOROETHYLENE		
Sample Collected:	03/12/2009	Findings:	.04 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		
Sample Collected:	03/12/2009	Findings:	584 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	03/12/2009	Findings:	.7
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	03/12/2009	Findings:	18 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/12/2009	Findings:	13000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	03/12/2009	Findings:	13
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	03/12/2009	Findings:	4100 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05/21/2009	Findings:	640 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/21/2009	Findings:	7.8
Chemical:	PH, LABORATORY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/21/2009	Findings:	182 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	05/21/2009	Findings:	222 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/21/2009	Findings:	228 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	05/21/2009	Findings:	75 MG/L
Chemical:	CALCIUM		
Sample Collected:	05/21/2009	Findings:	10 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/21/2009	Findings:	41 MG/L
Chemical:	SODIUM		
Sample Collected:	05/21/2009	Findings:	3.3 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/21/2009	Findings:	31 MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/21/2009	Findings:	.53 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05/21/2009	Findings:	130 UG/L
Chemical:	BORON		
Sample Collected:	05/21/2009	Findings:	6.5 UG/L
Chemical:	VANADIUM		
Sample Collected:	05/21/2009	Findings:	428 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/21/2009	Findings:	.6
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	05/21/2009	Findings:	23 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/21/2009	Findings:	5800 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	05/21/2009	Findings:	.05 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/21/2009	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05/21/2009	Findings:	5300 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	07/20/2006	Findings:	987 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/20/2006	Findings:	7.6
Chemical:	PH, LABORATORY		
Sample Collected:	07/20/2006	Findings:	209 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/20/2006	Findings:	250 MG/L
Chemical:	BICARBONATE ALKALINITY		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/20/2006	Findings:	360 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/20/2006	Findings:	110 MG/L
Chemical:	CALCIUM		
Sample Collected:	07/20/2006	Findings:	21 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/20/2006	Findings:	78 MG/L
Chemical:	SODIUM		
Sample Collected:	07/20/2006	Findings:	4.1 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/20/2006	Findings:	78 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/20/2006	Findings:	.33 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/20/2006	Findings:	320 UG/L
Chemical:	BORON		
Sample Collected:	07/20/2006	Findings:	12 UG/L
Chemical:	CHROMIUM (TOTAL)		
Sample Collected:	07/20/2006	Findings:	4.4 UG/L
Chemical:	VANADIUM		
Sample Collected:	07/20/2006	Findings:	9.8 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	07/20/2006	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	07/20/2006	Findings:	13 UG/L
Chemical:	URANIUM (UG/L)		
Sample Collected:	07/20/2006	Findings:	8.7 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	07/20/2006	Findings:	628 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/20/2006	Findings:	.6
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	07/20/2006	Findings:	15 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/20/2006	Findings:	10000 UG/L
Chemical:	CARBON DIOXIDE		
Sample Collected:	07/20/2006	Findings:	.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/20/2006	Findings:	12
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	07/20/2006	Findings:	3300 UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	04/18/2007	Findings:	.088 UG/L
Chemical:	DIBROMOCHLOROPROPANE (DBCP)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/04/2007	Findings:	970 US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/04/2007	Findings:	7.4
Chemical:	PH, LABORATORY		
Sample Collected:	09/04/2007	Findings:	244 MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	09/04/2007	Findings:	300 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/04/2007	Findings:	360 MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	09/04/2007	Findings:	110 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/04/2007	Findings:	20 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	09/04/2007	Findings:	68 MG/L
Chemical:	SODIUM		
Sample Collected:	09/04/2007	Findings:	3.9 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/04/2007	Findings:	74 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/04/2007	Findings:	.39 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	09/04/2007	Findings:	240 UG/L
Chemical:	BORON		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
92507	11	0	0.00

Federal EPA Radon Zone for RIVERSIDE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

700

Appendix E.
Noise Background and Modeling Data

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Appendix E. Noise Background and Modeling Data

NOISE BACKGROUND

Terminology and Noise Descriptors

The following are brief definitions of noise terminology:

- **Sound.** A vibratory disturbance that, when transmitted by pressure waves through a medium such as air, is capable of being detected by a receiving mechanism, such as the human ear or a microphone.

- **Noise.** Sound that is loud, unpleasant, unexpected, or otherwise undesirable.

- **Decibel** (**dB**). A unitless measure of sound on a logarithmic scale, which indicates the squared ratio of sound pressure amplitude to a reference sound pressure amplitude. The reference pressure is 20 micropascals.

- **A-Weighted Decibel (dBA).** An overall frequency-weighted sound level in decibels which approximates the frequency response of the human ear.

- **Equivalent Continuous Noise Level (Leq).** The mean of the noise level averaged over the measurement period, regarded as an average level.

- **Day-Night Level (Ldn).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the A-weighted sound levels occurring during the period from 10 PM to 7 AM. The L_{dn} and the CNEL are similar noise descriptors and rarely differ by more than 1 dBA.

- **Community Noise Equivalent Level (CNEL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 5 dB added to the A-weighted sound levels occurring during the period from 7 to 10 PM and 10 dB added to the A-weighted sound levels occurring during the period from 10 PM to 7 AM.

- **Sensitive Receptor.** Noise- and vibration-sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

L_{dn} and CNEL values rarely differ by more than 1 dB. As a matter of practice, L_{dn} and CNEL values are considered to be equivalent and are treated as such in this assessment.

Characteristics of Sound

Sound is a pressure wave transmitted through the air. When an object vibrates, it radiates part of its energy as acoustical pressure in the form of a sound wave. Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). The standard unit of measurement of the loudness of sound is the decibel (dB). The human hearing system is not equally sensitive to sound at all frequencies. Sound waves below 16 Hz are not heard at all and are "felt" more as a vibration. Similarly, while people with extremely sensitive hearing can hear sounds as high as 20,000 Hz, most people cannot hear above 15,000 Hz. In all cases, hearing acuity falls off rapidly above about 10,000 Hz and

below about 200 Hz. Since the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is usually used to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear.

Because of the physical characteristics of noise transmission and noise perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 1, Change in Sound Pressure Level, dB, presents the subjective effect of changes in sound pressure levels. Typical human hearing can detect changes of approximately 3 dBA or greater under normal conditions. Changes of 1 to 3 dBA are detectable under quiet, controlled conditions and changes of less than 1 dBA are usually indiscernible. A change of 5 dBA or greater is typically noticeable to most people in an exterior environment and a change of 10 dBA is perceived as a doubling (or halving) of the noise.

Table 1
Change in Sound Pressure Level, dB

Change in Apparent Loudness	
± 3 dB	Threshold of human perceptibility
± 5 dB	Clearly noticeable change in noise level
± 10 dB	Half or twice as loud
± 20 dB	Much quieter or louder

Source: Bies and Hansen 2003.

Point and Line Sources

Noise may be generated from a point source, such as a piece of construction equipment, or from a line source, such as a road containing moving vehicles. Because noise spreads in an ever-widening pattern, the given amount of noise striking an object, such as an eardrum, is reduced with distance from the source. This is known as "spreading loss." The typical spreading loss for point source noise is 6 dBA per doubling of the distance from the noise source.

A line source of noise, such as vehicles proceeding down a roadway, would also be reduced with distance, but the rate of reduction is affected by of both distance and the type of terrain over which the noise passes. Hard sites, such as developed areas with paving, reduce noise at a rate of 3 dBA per doubling of the distance while soft sites, such as undeveloped areas, open space and vegetated areas reduce noise at a rate of 4.5 dBA per doubling of the distance. These represent the extremes and most areas would actually contain a combination of hard and soft elements with the noise reduction placed somewhere in between these two factors. Unfortunately the only way to actually determine the absolute amount of attenuation that an area provides is through field measurement under operating conditions with subsequent noise level measurements conducted at varying distances from a constant noise source.

Objects that block the line of sight attenuate the noise source if the receptor is located within the "shadow" of the blockage (such as behind a sound wall). If a receptor is located behind the wall, but has a view of the source, the wall would do little to reduce the noise. Additionally, a receptor located on the same side of the wall as the noise source may experience an increase in the perceived noise level, as the wall would reflect noise back to the receptor compounding the noise.

Noise Metrics

Several rating scales (or noise "metrics") exist to analyze adverse effects of noise, including traffic-generated noise, on a community. These scales include the equivalent noise level (L_{eq}), the community noise equivalent level (CNEL) and the day/night noise level (L_{dn}). L_{eq} is a measurement of the sound energy level averaged over a specified time period.

The CNEL noise metric is based on 24 hours of measurement. CNEL differs from L_{eq} in that it applies a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when quiet time and sleep disturbance is of particular concern). Noise occurring during the daytime period (7:00 AM to 7:00 PM) receives no penalty. Noise produced during the evening time period (7:00 to 10:00 PM) is penalized by 5 dB, while nighttime (10:00 PM to 7:00 AM) noise is penalized by 10 dB. The L_{dn} noise metric is similar to the CNEL metric except that the period from 7:00 to 10:00 PM receives no penalty. Both the CNEL and L_{dn} metrics yield approximately the same 24-hour value (within 1 dB) with the CNEL being the more restrictive (i.e., higher) of the two.

Psychological and Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to noise levels higher than 85 dBA. Exposure to high noise levels affects the entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. In comparison, extended periods of noise exposure above 90 dBA would result in permanent cell damage. When the noise level reaches 120 dBA, a tickling sensation occurs in the human ear even with short-term exposure. This level of noise is called the threshold of feeling. As the sound reaches 140 dBA, the tickling sensation is replaced by the feeling of pain in the ear. This is called the threshold of pain. A sound level of 160 to 165 dBA will result in dizziness or loss of equilibrium. The ambient or background noise is widespread and generally more concentrated in urban areas than in outlying, less-developed areas (see Table 2).

Table 2
Sound Levels of Common Sources

Noise Source	A-Weighted Sound Level in Decibels	Noise Environments	Subjective Evaluations Relative to 70 dB
Near Jet Engine	140	Deafening	128 times as loud
Civil Defense Siren	130	Threshold of Pain	64 times as loud
Hard Rock Band	120	Threshold of Feeling	32 times as loud
Accelerating Motorcycle at a Few Feet Away	110	Very Loud	16 times as loud
Pile Driver; Noisy Urban Street/Heavy City Traffic	100	Very Loud	8 times as loud
Ambulance Siren; Food Blender	95	Very Loud	
Garbage Disposal	90	Very Loud	4 times as loud
Freight Cars; Living Room Music	85	Loud	
Pneumatic Drill; Vacuum Cleaner	80	Loud	2 times as loud
Busy Restaurant	75	Moderately Loud	
Near Freeway Auto Traffic	70	Moderately Loud	
Average Office	60	Quiet	One-half as loud
Suburban Street	55	Quiet	
Light Traffic; Soft Radio Music in Apartment	50	Quiet	One-quarter as loud
Large Transformer	45	Quiet	
Average Residence without Stereo Playing	40	Faint	One-eighth as loud
Soft Whisper	30	Faint	
Rustling Leaves	20	Very Faint	
Human Breathing	10	Very Faint	Threshold of Hearing

Source: Caltrans 1988.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities such as railroads or vibration-intensive stationary sources, but can also be associated with construction equipment, such as jackhammers, pile drivers, and hydraulic hammers. Vibration displacement is the distance that a point on a surface moves away from its original static position. The instantaneous speed that a point on a surface moves is described as the velocity, and the rate of change of the speed is described as the acceleration. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During the construction of a building, the operation of construction equipment could cause groundborne vibration. The three main wave types of concern in the propagation of groundborne vibrations are surface or Rayleigh waves, compression or P-waves, and shear or S-waves.

- Surface or Rayleigh waves travel along the ground surface. They carry most of their energy along an expanding cylindrical wave front, similar to the ripples produced by throwing a rock into a lake. The particle motion is more or less perpendicular to the direction of propagation (known as retrograde elliptical).
- Compression or P-waves are body waves that carry their energy along an expanding spherical wave front. The particle motion in these waves is longitudinal, in a push-pull motion. P-waves are analogous to airborne sound waves.

- Shear or S-waves are also body waves, carrying their energy along an expanding spherical wave front. Unlike P-waves, however, the particle motion is transverse, or perpendicular to the direction of propagation.

The peak particle velocity (PPV) or the root mean square (RMS) velocity is usually used to describe vibration amplitudes. PPV is defined as the maximum instantaneous peak of the vibration signal and RMS is defined as the square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage, whereas RMS is typically more suitable for evaluating human response.

The units for PPV and RMS velocity are normally inches per second (in/sec). Often, vibration is presented and discussed in dB units to compress the range of numbers required to describe the vibration. All PPV and RMS velocity are in in/sec and all vibration levels in this study are in dB relative to 1 micro-inch per second (abbreviated as VdB). The threshold of perception is approximately 65 VdB. Typically groundborne vibration generated by manmade activities attenuates rapidly with distance from the source of the vibration. Manmade vibration problems are usually confined to short distances (500 feet or less) from the source.

Construction generally includes a wide range of activities that can generate groundborne vibration. In general, demolition of structures generates the highest vibrations. Vibratory compactors or rollers, pile drivers, and pavement breakers can generate perceptible amounts of vibration at distances within 200 feet of the vibration sources. Heavy trucks can also generate groundborne vibrations that vary, depending on vehicle type, weight, and pavement conditions. Potholes, pavement joints, discontinuities, differential settlement of pavement, etc., all increase the vibration levels from vehicles passing over a road surface. Construction vibration is normally of greater concern than vibration of normal traffic on streets and freeways with smooth pavement conditions. Trains generate substantial quantities of vibration due to their engines, steel wheels, and heavy loads.

Sensitive Receptors

Certain land uses are particularly sensitive to noise and vibration. Noise- and vibration-sensitive uses include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, guest lodging, libraries, religious institutions, hospitals, nursing homes, and passive recreation areas are generally more sensitive to noise than commercial and industrial land use.

NOISE REGULATORY ENVIRONMENT

To limit exposure of people to intrusive and physically and/or psychologically damaging noise levels, the federal government, the State of California, some county governments, and most municipalities in the state have established standards and ordinances to control noise.

Noise

The United States Environmental Protection Agency (USEPA) has developed general guidelines for recommended maximum noise levels to protect public health and welfare and the hearing of workers exposed to occupational noise.

Vibration

The human reaction to various levels of vibration varies from person to persons and is highly subjective. Table 3 shows the level at which vibration becomes perceptible based on various types of land uses that are sensitive to vibration.

Table 3
Vibration Perceptibility

Land Use Category	Max L_v (VdB)[1]	Description
Workshop	90	Distinctly felt vibration. Appropriate to workshops and nonsensitive areas
Office	84	Felt vibration. Appropriate to offices and non-sensitive areas.
Residential – Daytime	78	Barely felt vibration. Adequate for computer equipment.
Residential – Nighttime	72	Vibration not felt, but groundborne noise may be audible inside quiet rooms.

Source: FTA 2006.
[1] As measured in 1/3 octave bands of frequency over the frequency ranges of 8 to 80 Hz.

In addition to the vibration standards for human annoyance, the FTA also has vibration standards for architectural damage, as shown in Table 4. Architectural damage is possible when the peak particle velocity (PPV) exceeds 0.2 inch per second. This criterion is the threshold at which there is a risk of damage to residential buildings. For structures of reinforced concrete, steel, or timber, architectural damage is possible when the PPV exceeds 0.5 inch per second.

Table 4
Groundborne Vibration Impact Criteria, Architectural Damage

Building Category		PPV (inches per second)[1]	VdB
I.	Reinforced concrete, steel, or timber (no plaster)	0.5	102
II.	Engineered concrete and masonry (no plaster)	0.3	98
III.	Nonengineered timber and masonry buildings	0.2	94
IV.	Buildings extremely susceptible to vibration damage	0.12	90

Source: FTA 2006.
[1] RMS velocity calculated from vibration level (VdB) using the reference of one micro-inch per second.

State

Interior Noise Standards

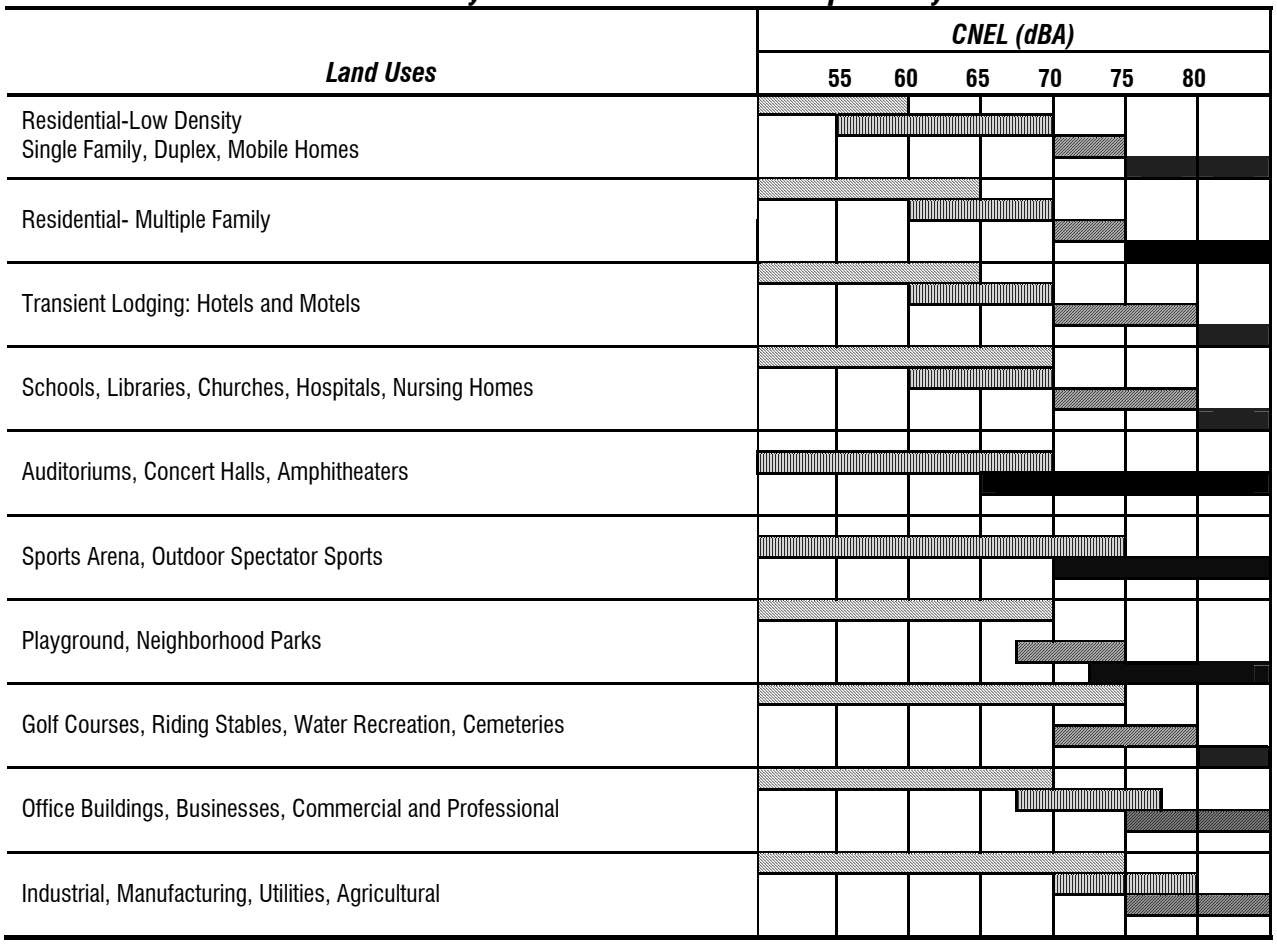
The State of California's noise insulation standards are codified in Title 24 California Code of Regulations, Building Standards Administrative Code, Part 2, California Building Code. These noise standards are for new construction in California for the purposes of interior compatibility with exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential, schools, or hospitals, are located near major transportation noises, and where such noise sources create an exterior noise level of 60 dBA CNEL or higher. Acoustical studies that accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new residential buildings, schools, and hospitals, the acceptable interior noise limit for new construction is 45 dBA CNEL.

Noise Compatibility

Cities and counties in California are preempted by federal law from controlling noise generated from most mobile sources, including noise generated by vehicles and trucks on the roadway, trains on the railroad, and airplanes. Therefore, Table 5 is used to gauge the compatibility of new development in the noise environment generated by mobile sources. Table 5 identifies normally acceptable, conditionally

acceptable, and clearly unacceptable noise levels for various land uses. A conditionally acceptable designation implies new construction or development should be undertaken only after a detailed analysis of the noise reduction requirements for each land use is made and needed noise insulation features are incorporated in the design. By comparison, a normally acceptable designation indicates that standard construction can occur with no special noise reduction requirements.

Table 5
Community Noise and Land Use Compatibility



Explanatory Notes

Normally Acceptable:
With no special noise reduction requirements assuming standard construction.

Normally Unacceptable:
New construction is discouraged. If new construction does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

Conditionally Acceptable:
New construction or development should be undertaken only after a detailed analysis of the noise reduction requirement is made and needed noise insulation features included in the design.

Clearly Unacceptable:
New construction or development should generally not be undertaken.

Source: California Office of Noise Control. *Guidelines for the Preparation and Content of Noise Elements of the General Plan.* February 1976. Adapted from the US EPA Office of Noise Abatement Control, Washington D.C. Community Noise. Prepared by Wyle Laboratories. December 1971.

LOCAL – City of Riverside

Stationary Noise Nuisance

The City of Riverside Municipal Code is used as the basis for defining stationary-source noise impacts on residents within the City. The standards as shown in Table 6 do not gauge the compatibility of developments in the noise environment, but provide restrictions on the amount of noise generated at a property, as measured at the property line of the noise receptor. The City's noise ordinance is designed to protect people from objectionable nontransportation noise sources such as music, construction activity, machinery, pumps, and air conditioners.

Table 6
City of Riverside Exterior Noise Standards

Land Use Category	*Time Period*	*Maximum Permissible Noise Levels (dBA)*				
		Leq	*L_{50}*	*L_{25}*	*L_{8}*	*L_{2}*
Residential	Night (10:00 PM to 7:00 AM)	45	50	55	60	65
	Day (7:00 AM to 10:00 PM)	55	60	65	70	75
Office/Commercial	Anytime	65	70	75	80	85
Industrial	Anytime	70	75	80	85	90
Community Support	Anytime	65	70	75	80	85
Nonurban	Anytime	70	75	80	85	90

Source: City of Riverside, Municipal Code, Title 7, Noise Control, Section 7.25.010.
Note: If the measured ambient noise level exceeds the standard, the allowable noise exposure standard shall be increased in five decibel increments in each category as appropriate to encompass the ambient noise level.

The City of Riverside also exempts several activities from the noise limitations of the Municipal Code. Under Section 7.35.020(B), the city does not restrict noise levels from school bands, school athletic activities, and school entertainment events.

Construction Noise

The city regulates construction activities under Municipal Code Section 7.35.010(B)(5). The city prohibits operation of tools or equipment used in construction, drilling, repair, alteration, grading, or demolition work between the hours of 7:00 PM and 7:00 AM on weekdays, between 5:00 PM and 8:00 AM on Saturdays, or at any time on Sunday or federal holidays. However, construction activities that do not exceed the maximum permitted noise level (see Table 3) are allowed to occur in the nighttime.

EXISTING NOISE ENVIRONMENT

The primary source of noise is local traffic on Chicago Avenue, 3rd Street, and Linden Street and stationary noise at the existing North High School campus(outdoor athletic activities, special events, bells, parking lot noise). State Route 60 (SR-60), to the northeast of the site, is also audible. Other sources of noise in the vicinity are from mechanical systems (heating, ventilation, and air conditioning [HVAC]) and other stationary sources of noise from the existing North High School campus and the adjacent commercial and residential areas.

Traffic Noise Modeling

Noise from motor vehicles is generated by engine vibrations, the interaction between tires and the road, and the exhaust system. Reducing the average motor vehicle speed reduces the noise exposure of receptors adjacent to the road. Each reduction of five miles per hour reduces noise by about 1 dBA. In order to assess the potential for mobile-source noise impacts, it is necessary to determine the noise currently generated by vehicles traveling through the project area. Average daily traffic (ADT) volumes were based on the existing daily traffic volumes provided by Garland Associates (2011). The results of this modeling indicate that average noise levels along arterial segments currently range from approximately 69.2 to 73.6 dBA CNEL. Noise levels for existing conditions along analyzed roadways are presented in Table 7.

Table 7
Existing Traffic Noise Levels
(dBA CNEL)

Segment	*ADT Volumes*	*Speed Limit*	*dBA CNEL*[1]
Linden Street			
w/o Chicago Avenue	12,020	35	69.2
e/o Chicago Avenue	12,200	40	70.3
3rd Street			
w/o Chicago Avenue	16,050	40	71.5
e/o Chicago Avenue	26,050	40	73.6
Chicago Avenue			
n/o Linden Street	20,130	40	72.5
s/o Linden Street	20,050	40	72.5

Source: FHWA, Highway Traffic Noise Prediction Model. Based on traffic volumes and speed limits obtained from the traffic analysis prepared by Garland Associates (2011).
ADT – average daily trips; w/o: west of; e/o: east of; n/o: north of; s/o: south of; btwn: between.
[1] Noise levels calculated at 50 feet from the roadway centerline.

Methodology

The analysis of noise impacts considers project construction and operations noise as defined by the Riverside Unified School District (for noise compatibility), the City of Riverside (for stationary and construction noise impacts), and the Federal Transit Administration (FTA) methodology (for construction vibration impacts). The proposed project would have a significant adverse noise impact if the project results in any of the following:

Noise Compatibility

The noise compatibility criteria identified by the state of California is used to evaluate the acceptability of the noise levels for placement of the new gymnasium. The State's noise compatibility criteria show that schools are conditionally acceptable in a noise environment up to 70 dBA CNEL. The California Building Code also requires that classrooms and other noise-sensitive interior spaces achieve a 45 dBA CNEL noise standard.

Substantial Increase in Traffic Noise Levels

The traffic noise thresholds are based on human tolerance to noise (see Table1) and are widely used for assessing traffic noise impacts. In general, people tend to compare intruding noise with the existing background noise. If the new noise is readily identifiable or considerably louder than the background, it

has the potential to be objectionable or annoying (Caltrans 1998). Consequently, the threshold for increase in traffic noise levels is based on the potential for traffic noise to become considerably louder than the ambient noise level. In general, noise levels must increase by 10 dBA in order to double ambient noise levels. An increase of 5 dBA is readily perceptible to the public and a 3 dBA increase is barely perceivable to the average healthy human ear (Caltrans 1998). Based on the state's noise compatibility criteria of 65 dBA CNEL for residential uses, the District considers audible (3+ dBA) increases in project-related traffic noise to be substantial when the ambient noise environment with the project exceeds 65 dBA CNEL. For cumulative impacts, the District considers segments where the project contributes any increase in noise levels (0.1 dBA or more) to be substantial when cumulative increase in ambient noise levels are 3 dBA or more and noise levels are in excess of the state's noise compatibility criteria.

Stationary-Source Noise

The stationary noise thresholds are based on a combination of the human tolerance to noise (see Table 1) and local criteria for stationary noise sources as established by the City of Riverside for noise control (see Table 6). In general, noise from school bands, school athletic activities, and school entertainment events are exempt from the noise limits of the City of Riverside Municipal Code (Section 7.35.020(B)). Noise impacts are based on not only the magnitude of noise but the frequency of occurrence. Therefore, for temporary or periodic increase in noise levels, like an event held at the aquatic center or stadium, the increase in noise would have to be clearly noticeable (+5 dBA) and exceed the nuisance criteria of the municipal code. However, for long-term use of athletic fields, such as gym class, intramural sports, and joint-use of the athletic fields, impacts are significant if the increase in noise would be barely audible (+3 dBA) and exceed the dBA L_{eq} during the daytime.

Construction

The City of Riverside's Noise Ordinance regulates the timing of construction activities. No construction shall be permitted outside of the hours specified in Section 7.35.010(B)(5) of the City of Riverside's Municipal Code. The City of Riverside restricts construction activities to the daytime hours of 7:00 AM and 7:00 PM Monday through Friday and between the hours of 8:00 AM and 5:00 PM on Saturdays. The potential for construction noise impacts to be objectionable depends on the magnitude of noise generated by the construction equipment, the frequency of noise sources during the construction day, and total duration of construction activities.

Vibration

Based on the FTA vibration criteria, vibration annoyance impacts are considered significant when average vibration levels produced by construction equipment would produce excessive levels of vibration (78 VdB) during the daytime at offsite vibration-sensitive structures. In addition, the vibration level at which there is a risk of architectural damage is based on the FTA criteria (0.2 in/sec for typical wood-framed buildings or 0.5 in/sec at reinforced concrete, steel, or timber).

REFERENCES

California Department of Transportation (Caltrans). 1998. Technical Noise Supplement.

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Construction Generated Noise

Construction Noise at 50 Feet (dBA Leq)

Construction Phase	All Applicable Equipment in Use	Minimum Required Equipment in Use
Ground Clearing/Demolition	84	84
Excavation	89	79
Foundation Construction	78	78
Building Construction	87	75
Finishing and Site Cleanup	89	75

Nearest Residents - South of Linden Street and West of Chicago Avenue

Maximum Construction Noise (dBA Leq)
Closest Distance (Feet): 310

Construction Phase	All Applicable Equipment in Use	Minimum Required Equipment in Use
Ground Clearing/Demolition	60	60
Excavation	65	55
Foundation Construction	54	54
Building Construction	63	51
Finishing and Site Cleanup	65	51

Average Construction Noise (dBA Leq)
Average Distance (Feet): 610

Construction Phase	All Applicable Equipment in Use	Minimum Required Equipment in Use
Ground Clearing/Demolition	51	51
Excavation	56	46
Foundation Construction	45	45
Building Construction	54	42
Finishing and Site Cleanup	56	42

Nearest Onsite Classrooms - 400 Building

Maximum Construction Noise (dBA Leq)
Closest Distance (Feet): 10

Construction Phase	All Applicable Equipment in Use	Minimum Required Equipment in Use
Ground Clearing/Demolition	105	105
Excavation	110	100
Foundation Construction	99	99
Building Construction	108	96
Finishing and Site Cleanup	110	96

Average Construction Noise (dBA Leq)
Average Distance (Feet): 250

Construction Phase	All Applicable Equipment in Use	Minimum Required Equipment in Use
Ground Clearing/Demolition	63	63
Excavation	68	58
Foundation Construction	57	57
Building Construction	66	54
Finishing and Site Cleanup	68	54

Source: Bolt, Beranek and Newman, "Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances," prepared for the USEPA, December 31, 1971. Based on analysis for Office Building, Hotel, Hospital, School, and Public Works.

Construction Generated Vibration

Vibration Annoyance Criteria

Nearest Residents - South of Linden Street and West of Chicago Avenue

Maximum Vibration Levels -
Closest Distance (feet): 310

Equipment	Approximate Velocity Level at 25 ft, VdB	Approximate Velocity Level, VdB
Large bulldozer	87	65
Small bulldozer	58	36
Jackhammer	79	57
Loaded trucks	86	64
	Criteria	78

Average Vibration Level -
Average Distance (feet): 610

Equipment	Approximate Velocity Level at 25 ft, VdB	Approximate Velocity Level, VdB
Large bulldozer	87	59
Small bulldozer	58	30
Jackhammer	79	51
Loaded trucks	86	58
	Criteria	78

Nearest Onsite Classrooms - 400 Building

Maximum Vibration Levels -
Closest Distance (feet): 10

Equipment	Approximate Velocity Level at 25 ft, VdB	Approximate Velocity Level, VdB
Large bulldozer	87	95
Small bulldozer	58	66
Jackhammer	79	87
Loaded trucks	86	94
	Criteria	78

Average Vibration Level -
Average Distance (feet): 250

Equipment	Approximate Velocity Level at 25 ft, VdB	Approximate Velocity Level, VdB
Large bulldozer	87	67
Small bulldozer	58	38
Jackhammer	79	59
Loaded trucks	86	66
	Criteria	78

Construction Generated Vibration

Architectural Damage Criteria

Nearest Residents - South of Linden Street and West of Chicago Avenue

Closest Distance (feet): 310

Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second
Large bulldozer	0.089	0.002
Small bulldozer	0.003	0.000
Jackhammer	0.035	0.001
Loaded trucks	0.076	0.002
	Criteria	0.200

Nearest Onsite Classrooms - 400 Building

Closest Distance (feet): 10

Equipment	Approximate RMS a Velocity at 25 ft, inch/second	Approximate RMS Velocity Level, inch/second
Large bulldozer	0.089	0.352
Small bulldozer	0.003	0.012
Jackhammer	0.035	0.138
Loaded trucks	0.076	0.300
	Criteria	0.200

Based on distance to nearest structure

Notes: RMS velocity calculated from vibration level (VdB) using the reference of one microinch/second.

Source: Based on methodology from the United States Department of Transportation Federal Transit Administration, *Transit Noise and Vibration Impact Assessment* (2006).

Noise Modeling of Daytime Athletic Field Activities at Noise-Sensitive Uses

Monitored Noise Levels

Outdoor Athletic Fields	Initial Sound Pressure						Initial number of noise	Measurement Distance	Based on Noise
	Leq	L50	L25	L16	L8	Lmax			
Tennis Courts	59.5	58.6	60.0	60.8	62.1	73.3	10	20	Tennis
Basketball Courts	63.6	61.9	64.0	65.3	66.9	77.1	12	27	Basketball

Daytime Play Field Noise Levels at Existing Residence to North - Single Family Homes

Outdoor Athletic Fields	New number of noise	Hard Ground?	Hard (0) or Soft Site	Distance to Property Line	Future Sound Pressure					
					Leq	L50	L25	L16	L8	Lmax
Tennis Courts	8	Yes	0.00	690	27.8	26.9	28.3	29.1	30.4	41.6
Basketball Courts	23	Yes	0.00	1140	33.9	32.2	34.3	35.6	37.2	47.4
Total Number of Students Outside	31		**Combined Noise Level**		34.9	33.3	35.3	36.5	38.0	48.4

Athletic Field Noise data obtianed from noise monitoring of Sports Activities conducted by The Planning Center at Miles Square Park in Fountain Valley, California.

Federal Highway Administration (FHWA) Traffic Noise Prediction Model

Roadway Segment	Speed	24-hour Traffic Volume			Distance to CNEL from Roadway Centerline											
					Existing				Future No Project				Future With Project			
		Existing	Future Without Project	Future With Project	50.0 Feet	60 CNEL	65 CNEL	70 CNEL	50.0 Feet	60 CNEL	65 CNEL	70 CNEL	50.0 Feet	60 CNEL	65 CNEL	70 CNEL
Linden Street (west of Chicago Avenue)	35	12,020	12,740	12,820	69.2	206	96	44	69.5	214	99	46	69.5	215	100	46
Linden Street (east of Chicago Avenue)	40	12,200	12,920	13,620	70.3	243	113	52	70.6	253	117	54	70.8	262	122	56
3rd Street (west of Chicago Avenue)	40	16,050	17,010	17,160	71.5	292	136	63	71.8	304	141	65	71.8	306	142	66
3rd Street (east of Chicago Avenue)	40	26,050	27,610	27,760	73.6	404	187	87	73.9	420	195	90	73.9	421	195	91
Chicago Avenue (north of Linden Street)	40	20,130	21,330	21,800	72.5	340	158	73	72.7	353	164	76	72.8	358	166	77
Chicago Avenue (south of Linden Street)	40	20,050	21,250	21,400	72.5	339	157	73	72.7	352	164	76	72.8	354	164	76

Assumptions:

Based on the traffic impact analysis by Garland and Associates (July 2011).

Federal Highway Administration Highway Traffic Noise Prediction Model, December, 1978. Baseline California vehicle noise levels from Caltrans, TAN 95-03, 1995

Simplified to 2 lanes 6 meters= 20.0

future 6 meters= 20.0

Noise path decay parameter for hard site

Site parameter: 0

24-hour distribution of traffic volumes based on:

Day	75%	LDA	93%
Evening	14%	MDT	3%
Night	11%	HDT	4%

HALFSEP 1/2 lane separation 6

HALFSEPFUT 1/2 lane separation (future) 6

California base noise levels:

Autos 5.2+38.8 Log10 (speed, mi/hr) = -2.8 + 38.8 Log10 (speed, km/hr)

Light trucks: 35.3 + 25.6 Log10 (speed, mi/hr) = 30 + 25.6 Log10 (speed, km/hr)

Heavy trucks:

25-31 mi/hr: 51.9 + 19.2 Log10 (speed, mi/hr) = 47.9 + 19.2 Log10 (speed, km/hr)

35-65 mi/hr: 50.4 + 19.2 Log10 (speed, mi/hr) = 46.4 + 19.2 Log10 (speed, km/hr)

31-35 mi/hr: straight line interpolation between above two curves

Fleet Mix Assumptions for Noise Modeling

Sources:

California Department of Transporation, Traffic Data Branch. http://traffic-counts.dot.ca.gov. Acessed July 21, 2011. Based on fleet mix for Route 215, Spruce Street ramp.

Riverside, County of Department of Public Health, Office of Industrial Hygiene. 2009, November. Requirements for Determining and Mitigating Traffic Noise Impacts to Residential Structures. http://www.rivcoph.org/indhyg/services.html

Major, Arterial Highways, or Expressways

Fleet Mix (Caltrans 2011)		**Time of Day Distribution** (Riverside County 2009)		
Vehicle	Overall %	Day (7 AM to 7 PM)	Evening (7 PM to 10 PM)	Night (10 PM to 7 AM)
Auto	92.7%	69.5	12.9	9.6
Medium Truck	2.9%	1.44	0.06	1.5
Heavy Truck	4.4%	2.4	0.1	2.5
		73%	13%	14%

Secondary, Collectors, or Smaller

Fleet Mix (Caltrans 2011)		**Time of Day Distribution** (Riverside County 2009)		
Vehicle	Overall %	Day (7 AM to 7 PM)	Evening (7 PM to 10 PM)	Night (10 PM to 7 AM)
Auto	92.7%	73.6	13.6	10.22
Medium Truck	2.9%	0.9	0.04	0.9
Heavy Truck	4.4%	0.35	0.04	0.35
		75%	14%	11%

Riverside Unified School District

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Board Meeting Agenda
February 6, 2012

Topic:	Resolution No. 2011/12-41 – Resolution of the Board of Education of the Riverside Unified School District Rendering City and County Zoning Ordinances Inapplicable to the John W. North High School Athletic Facilities Master Plan Completion Project Pursuant to Government Code Section 53094
Presented by:	Janet Dixon, Director, Planning & Development
Responsible Cabinet Member:	Kirk Lewis, Ed.D, Assistant Superintendent, Operations
Type of Item:	Consent
Short Description:	The Board will consider invoking its authority to render city and county ordinances inapplicable to the John W. North High School Athletic Facilities Master Plan Completion project.

DESCRIPTION OF AGENDA ITEM:

The John W. North High School Athletic Facilities Master Plan Completion project (Project) as currently proposed may not comply with all City of Riverside municipal code (MC) requirements. The City has asked that the marquee at the corner of Chicago Avenue and Third Street comply with MC Chapter 19.620, General Sign Provisions. Additionally, the proposed project will not meet MC requirements to provide all stadium parking spaces onsite and limiting the height of the field lighting poles. The proposed project would be inconsistent with local ordinances if this resolution does not pass.

Under Education Code Section 53094, the Governing Board by a two-thirds vote, may render these and other local requirements from the City of Riverside and County of Riverside inapplicable to the project. Approval of the resolution would allow the District to implement and operate the proposed project without any restrictions that may be imposed by City and County Zoning Ordinances.

FISCAL IMPACT: None

RECOMMENDATION: It is recommended that the Governing Board approve Resolution No. 2011/12-41, which renders city and county ordinances inapplicable to the John W. North High School Athletic Facilities Master Plan Completion project.

ADDITIONAL MATERIAL: Resolution No. 2011/12-41**.**

Attached: Yes

RESOLUTION NO. 2011/12-41

RESOLUTION OF THE BOARD OF EDUCATION OF THE RIVERSIDE UNIFIED SCHOOL DISTRICT RENDERING CITY AND COUNTY ZONING ORDINANCES INAPPLICABLE TO THE JOHN W. NORTH HIGH SCHOOL ATHLETIC FACILITIES MASTER PLAN COMPLETION PROJECT PURSUANT TO GOVERNMENT CODE SECTION 53094

WHEREAS, the Riverside Unified School District ("District") proposes to implement the John W. North High School Athletic Facilities Master Plan Completion ("Project"); and

WHEREAS, the capital improvements under the Project that are the subject of this resolution are limited to recreational facilities and amenities for student use and operation of the high school; and

WHEREAS, certain elements of the Project, such as but not limited to the design and operation of the marquee, the height of the field lighting poles, and providing onsite stadium parking spaces may not conform to requirements specified in the City and County Zoning Ordinances; and

WHEREAS, prior to approving the Project, the District prepared and circulated for public review a Mitigated Negative Declaration ("MND") for the Project pursuant to Public Resources Code Section 21000 et seq., the California Environmental Quality Act ("CEQA"), State Clearinghouse Number 2011121033; and

WHEREAS, Government Code Section 53094 authorizes the District Board of Education to render any zoning ordinance of the City of Riverside and County of Riverside, for which the property resides, inapplicable to the District uses by a two-thirds vote.

NOW, THEREFORE, the District Board of Education resolves as follows:

RESOLVED, that the Board of Education hereby invokes its authority under Government Code Section 53094 to exempt the Project from city and county ordinances; and be it finally

RESOLVED, that the Board of Education notify the City of Riverside and County of Riverside of its Resolution to render inapplicable the zoning ordinances for purposes of implementing the Project, immediately following the adoption of this Resolution.

ADOPTED, SIGNED AND APPROVED this 6th day of February, 2012.

RIVERSIDE UNIFIED SCHOOL DISTRICT BOARD OF EDUCATION

By_____
Gayle Cloud
President of the Riverside Unified
School District Board of Education

ATTEST:

_____
Kathy Y. Allavie
Clerk of the Riverside Unified
School District Board of Education

Riverside Unified School District

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Board Meeting Agenda
February 6, 2012

Topic:	Certificated Personnel Assignment Order – CE 11/12-11 and Classified/Non-Classified Personnel Assignment Order CL 11/12-11
Presented by:	Lou Mason, Director of Certificated Personnel and Vanessa Connor, Director of Classified Personnel
Responsible Cabinet Member:	Rick Miller, Ph.D., District Superintendent
Type of Item:	Consent
Short Description:	The latest District's management, certificated and classified personnel actions are presented to the Board of Education for approval

DESCRIPTION OF AGENDA ITEM:

Board approval is requested of the District's latest management, certificated and classified personnel actions, which include the following:

Change in Status from Substitute Employee to Regular Employee, Deceased, Exhaustion of Sick Leave – 39 Month Reemployment, Leaves, New Hires, New Hires – Probationary 1, New Hires – Temporary Employee (E.C. §44909), Rehires – Temporary Employee (E.C. §44909), Rehires – Temporary Employee (E.C. §44920), Promotions, Resignations, Retirements, Substitutes, Temporarily Assigned to a Higher Classification, and Voluntary Demotions/Reassignments/ Reductions/Transfers.

FISCAL IMPACT: To be determined

RECOMMENDATION: It is recommended that the Board of Education approve the District's latest personnel actions for both certificated and classified.

ADDITIONAL MATERIAL: Certificated Personnel Assignment Order – CE 11/12-11 and Classified/Non-Classified Personnel Assignment Order CL 11/12-11

Attached: Yes

CERTIFICATED PERSONNEL ASSIGNMENT ORDER #CE 11/12-11
February 6, 2012

CERTIFICATED PERSONNEL

Exhaustion of Sick Leave – 39 Month Reemployment

Matthew Gage Middle School		
Decker, Cathy M.	Teacher	01/11/12 – 04/10/15

Leaves

Adams Elementary School		
(California Family Rights Act Leave)		
McIntyre, Janice T.	LSH Specialist	02/08/12 – 03/09/12
Educational Options Center		
(Personal Unpaid Leave – Extension)		
Lang, Diane G.	Teacher	01/30/12 – 06/08/12
Elementary School		
(Administrative Leave – Paid)		01/12/12 -
11-12/39960	Teacher	undetermined
Kennedy Elementary School		
(Family Medical Leave Act Leave)		
McDonald-Melton, Marlene R.	Teacher	01/09/12 – 03/02/12
Secondary High School		
(Administrative Leave – Paid)		01/07/12 -
11/12-52034	Teacher	undetermined

New Hires – Probationary 1

Beatty Elementary School		
Bryda, Tracy L.	Teacher	12/12/11

New Hires – Temporary Employees (E.C. §44909)

Mark Twain Elementary School		
Keoski, Dierdre A.	Resource Teacher/Sp. Proj.	01/17/12
Riverside Adult School		
Jackson, Tikia	Teacher	01/09/12

Rehires – Temporary Employee (E.C. §44909)

Liberty Elementary School		
Ruley, Andrea D.	Teacher	01/05/12

Rehires – Temporary Employee (E.C. §44920)

Special Education Department		
Jones, Susan E.	LSH Specialist	01/17/12

Retirements

Franklin Elementary School		
Phelps, Lynn A.	Teacher	01/12/12
Lincoln Continuation High School		
Clark, Kyle A.	Teacher	01/30/12
Pachappa Elementary School		
Gonzalez, Jeannine C.	Teacher	02/01/12
Oppenheim, Brenda P.	Teacher	06/09/12
Polytechnic High School		
Jones, Roslyn J.	Teacher	06/09/12

Substitutes

Hilz, Heather C.	Substitute Teacher	01/13/12
Jarboe, Lauren B.	Substitute Teacher	01/03/12
Moreno, Coa Cheree	Substitute Teacher	01/12/12
Morton, Damon	Substitute Teacher	01/17/12
Portillo, Roger D.	Substitute Teacher	01/11/12
Sana, Emanuela A.	Substitute Teacher	01/06/12
Sandler, Yessica S.	Substitute Teacher	01/11/12
Vega, Claudia	Substitute Teacher	01/11/12

CLASSIFIED/NON-CLASSIFIED PERSONNEL ASSIGNMENT ORDER #CL 11/12-11
February 6, 2012

CLASSIFIED PERSONNEL

Change in Status from Substitute Employee to Regular Employee

Franklin Elementary School			
Seol, Angela M.	Instructional Assistant – Special Education I	10 months, 5.5 hours	01/17/12

Deceased

University Middle School			
Silvas, Gwendolyn J.	Cafeteria Supervisor I	13 years, 9 months of service	01/30/12

Exhaustion of Sick Leave – 39 Month Reemployment

Chemawa Middle School			
Bautista, Renato	Cafeteria Worker I	7 years of service	02/22/12
Frank Augustus Miller Middle School & Maintenance & Operations			
Spears, Tyshana E.	Custodian	7 years, 8 months of service	01/07/12
Highland Elementary School			
Schul, Teresa A.	Cafeteria Worker I	9 years, 4 months of service	02/24/12

Leaves

Mark Twain Elementary School			
Rodriguez, Rosa M.	Assistant Principal's Secretary	CFRA Leave	02/15/12 – 05/15/12

Leaves - Continued

Nutrition Services			
Wooten, Deborah	Food Production Worker I	FMLA Leave (Partial Day)	01/11/12 – 04/13/12
Poly High School			
Cardoza, Arlene A.	Cafeteria Worker I	Unpaid Parenthood Leave	01/23/12 – 03/01/12

New Hires

Special Education			
Diaz, Jennifer E.	Speech/Language Pathology Assistant	10 months, 2.4 hours	01/10/12
Saldana, Desiree M.	Speech/Language Pathology Assistant	10 months, 6 hours	01/04/12

Promotions

Herbst, Melissa	From: Arlington High School, School Office Assistant, 10 months, 8 hours	To: Arlington High School, Accounting Assistant – High School, 11 months, 8 hours	01/11/12
Hernandez, Ann Marie	From: Polytechnic High School, Cafeteria Worker I, 10 months, 3 hours	To: Grant Education Center (Start Gate), Cafeteria Worker II, 10 months, 3 hours	01/11/12
Przybylek, Donna	From: Franklin Elementary School, Instructional Assistant – Special Education I, 10 months, 5.5 hours	To: Sunshine Early Childhood Center, Intensive Behavior Interventions Assistant, 10 months, 6 hours	01/12/12

Resignations

Arlington High School			
Sosa, Esther	Cafeteria Worker I	15 years, 2 months of service	01/06/12
Bryant Elementary School			
Salgado, Silvia	Instructional Assistant – Special Education I	3 months of service	01/07/12
Educational Options Center			
Clabaugh, Shelly	Alternative Education Learning Lab Assistant	14 years, 4 months of service	01/07/12
Emerson Elementary School			
Rhodes, Heather A.	Instructional Assistant – Special Education II	4 years, 8 months of service	01/03/12
Mark Twain Elementary School			
Costa, Sally A.	Intensive Behavior Interventions Assistant	7 years of service	01/21/12

Retirements

Jackson Elementary School			
Curtis, Linda	Instructional Assistant – Preschool	36 years of service	11/17/12
Madison Elementary School			
Gebara, Margaret	Instructional Assistant - Preschool	34 years of service	11/01/12

Temporarily Assigned to a Higher Classification

Maintenance & Operations			
Hiser III, Ray L.	From: Custodian	To: Lead Custodian	12/15/11 – 01/06/12 *6 days*

Temporarily Assigned to a Higher Classification - Continued

Martin Luther King High School			
Soraya, Maria I.	From: Cafeteria Worker IV	To: University Heights Middle School, Cafeteria Supervisor I	12/06/11 – 12/16/11
University Middle School			
Delgado, Rosa M.	From: Cafeteria Worker III	To: Cafeteria Supervisor I	12/06/11 – 06/08/12

Voluntary Demotions/Reassignments/Reductions/Transfers

Bailon, Rauland V.	From: University Heights Middle School, Custodian, 12 months, 4 hours	To: Maintenance & Operations, Custodian, 12 months, 8 hours	01/17/12
Borish, Cheryl	From: Mt. View Elementary School, Cafeteria Worker I, 10 months, 3.5 hours	To: Martin Luther King High School, Cafeteria Worker I, 10 months, 3.5 hours	01/09/12
Castellanos, Cristina	From: Washington Elementary School, Health Assistant, 10 months, 4 hours	To: Human Resources, Office Assistant II, 11 months, 8 hours	01/09/12
Cortez, Elizabeth	From: Chemawa Middle School, Cafeteria Worker I, 10 months, 3 hours	To: Mt. View Elementary School, Cafeteria Worker I, 10 months, 3.5 hours	01/09/12
Hernandez, Cathy	From: Highland Elementary School, School Office Assistant & Projects Office Assistant, 10 months, 3.5 hours	To: Highland Elementary School, Community Assistant & School Office Assistant & Projects Office Assistant, 10 months, 8 hours	12/19/11

Voluntary Demotions/Reassignments/Reductions/Transfers - Continued

Kinloch, Laura D.	From: Special Education, Intensive Behavior Interventions Assistant, 10 months, 6 hours	To: Pachappa Elementary School, Instructional Assistant – Special Education I, 10 months, 6 hours	01/23/12
Landazuri, Elaine	From: Sunshine Early Childhood Center, Instructional Assistant – Special Education II, 10 months, 4 hours	To: Jackson Elementary School, Instructional Assistant – Special Education II, 10 months, 6 hours	01/09/12
Moya, Maria D.	From: Maintenance & Operations, Custodian, 12 months, 8 hours	To: Ramona High School, Custodian, 12 months, 8 hours	01/09/12
Quigney, Elizabeth L.	From: John F. Kennedy Elementary School, Instructional Assistant – Special Education II, 10 months, 6 hours	To: Pachappa Elementary School, Instructional Assistant – Special Education II, 10 months, 6 hours	01/03/12
Tenne, Marcella	From: Beatty Elementary School, Intensive Behavior Interventions Assistant, 10 months, 6 hours	To: Highland Elementary School, Intensive Behavior Interventions Assistant, 10 months, 6 hours	01/03/12

NON-CLASSIFIED PERSONNEL

New Hires

Azzam, Dollen	Instructional Assistant	01/03/12
Casimiro, Judy M.	Instructional Assistant	01/11/12
Davidson, Karren L.	Instructional Assistant	01/03/12
Freeman, Dakota William	Workability Student	01/03/12
Gonzalez, Adam Wayne	Workability Student	01/03/12
Hamilton, Candice M.	instructional Assistant	01/13/12
Hunter, Dominiques	Workability Student	01/03/12
Inks, Megan J.	Instructional Assistant	01/03/12
Irving, James Neal	Avid Tutor	01/04/12
Luu, Sen Man	Avid Tutor	01/06/12
Mcgrath, Cole Patric	Workability Student	01/03/12
Mills, Walter Javier	Workability Student	01/12/12
Navarrete, Anna A.	Instructional Assistant	01/03/12
Phillips, Lori A.	Instructional Assistant	01/03/12
Reid, Deanna M.	Instructional Assistant	01/04/12
Sakaguchi, Robert	Student Tutor	11/14/11
Sauer, Vivien	Student Tutor	11/29/11
Sowder, Lauren	Student Tutor	01/10/12
Stewart, Brittany Nicole	Workability Student	01/03/12
Thomas, Shamika Eboni	Workability Student	01/03/12
Valdivia, Bryan	Student Tutor	12/15/12
Wiley, Deanna M.	Instructional Assistant	01/11/12

New Hires – Athletic Coaches*/Performing Arts Assistants/Walk-on Personnel

Chemawa Middle School		
Hall-McLean, Demetrius	Basketball-Assistant	01/03/12
John W. North High School		
Ball, Larry	Football - Head Coach	08/09/11
Schoeller, Justin	Basketball - Assistant	01/10/12
Washington, Davell	Basketball – Assistant	01/17/12
King High School		
Blue, Deborah	Performing Arts	01/17/12
Boebinger, Stanley	Baseball – Assistant	01/17/12
Fagan, Douglas	Performing Arts	01/06/12
Gudmundsson, Reynir	Band	12/14/11
Human, Evan	Performing Arts - Choir	01/09/12

New Hires – Athletic Coaches*/Performing Arts Assistants/Walk-on Personnel (Continued)

Kennedy, Ashley N.	Performing Arts – Dance	01/17/12
Wise, Cameron	Basketball - Head Coach	01/10/12
Polytechnic High School		
Gbenedio, Esiri	Soccer - Assistant	01/09/12

*The temporary athletic coaches listed above are knowledgeable of the assigned sport and meet the qualifications and competencies required by law.

Riverside Unified School District

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Board Meeting Agenda
February 6, 2012

Topic: Governor's Budget Proposals for 2012-13

Presented by: Mike Fine, Deputy Superintendent, Business Services and Governmental Relations

Responsible Cabinet Member: Mike Fine, Deputy Superintendent, Business Services and Governmental Relations

Type of Item: Report

Short Description: Staff will provide a presentation on the Governor's Budget Proposals for 2012-13 and the potential impacts on Riverside Unified School District.

DESCRIPTION OF AGENDA ITEM:

On January 6, 2012, Governor Jerry Brown released his initial proposals for the 2012-13 state budget, which begins July 1, 2012. Staff has prepared the attached overview of the Governor's proposals for K-12 and the impact to RUSD, and will speak to this items highlighted.

FISCAL IMPACT: None

RECOMMENDATION: Informational purposes only; no action required.

ADDITIONAL MATERIAL: Overview Presentation

Attached: Yes

Governor's Budget Proposals for 2012-13

Riverside Unified School District
February 6, 2012

RUSD
Innovation in Education

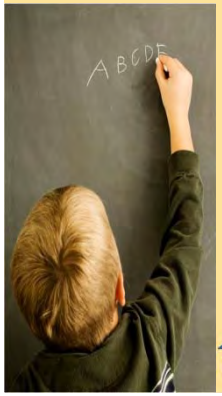
Overview

- 18 month shortfall now pegged at $9.2 billion
  - $4.1 billion from current year (2011-12) carried forward
  - $5.1 billion operating deficit for 2012-13

- "Balanced approach" to close gap
  - $4.2 billion in program cuts (most in non-Proposition 98 sectors)
  - $4.7 billion in revenue (tax initiative)
  - $1.4 billion in one-time borrowing and transfers

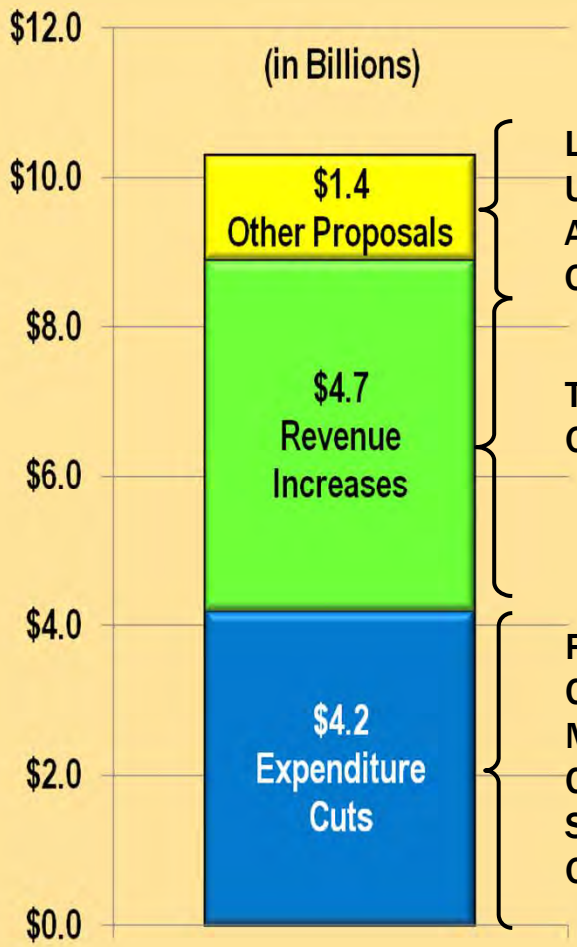
- Another "crisis budget" with education funding at risk
  - Proposition 98 is now meaningless, manipulated once again
  - Mid-year trigger reductions are a major component of the plan (the new preferred strategy to budgeting)

- Positive Policy and Fiscal Proposals
  - Increased focus on local governance
  - Reflects an attentive ear to the field



RUSD Innovation in Education

Proposed Solutions To Close Gap



Loan repayment extensions ($631M)
Unemployment Insurance interest payment ($417M)
Additional weight fee revenues ($350M)
Other ($35m)

Temporary taxes ($4,401M)
Other revenues ($251M)

Proposition 98 ($544M)
CalWORKs ($946M)
Medi-Cal ($842M)
Child Care ($447M)
State mandates ($828M)
Other ($609M)

Source: SSC

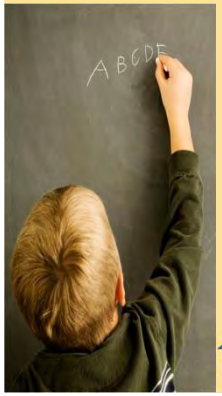
Governor's Tax Initiative

Voter Initiative For November Ballot is Centerpiece of Budget

- "The Schools and Local Public Safety Protection Act of 2012"
  - Public safety protection – amends the Constitution to affirm the state/local realignment enacted in 2011-12 State Budget
  - Schools – establishes the "Education Protection Account" for the Proposition 98 share of revenues

- Temporary, five-year tax increases - $6.9 billion (LAO estimates average annual increase to be only $5.5 billion)
  - Half-cent sales tax increase effective January 1, 2013
  - Increase income tax rate on single filers of 1% for annual earnings above $250,000, up to 2% for income over $500,000 effective for the 2012 tax year through the 2016 tax year

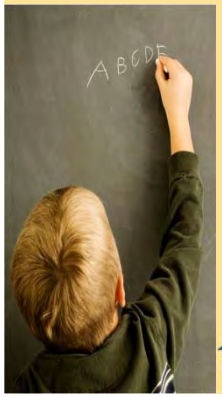
- Voter initiative that still must qualify through signature gathering and compete against a very crowded November ballot



Governor's Tax Initiative

Education Protection Account (EPA)

- All new revenue is deposited in the EPA for K-12 (89%) and community colleges (11%)
- EPA funds count toward the Proposition 98 minimum guarantee
  - Reduces state general fund contributions toward Proposition 98 dollar for dollar
  - Distributed the same as existing general purpose per-pupil funding
- EPA allocations may not be used for salary or benefits of administrators or any other administrative costs
- Schools must annually post on their websites an accounting of funding received and how it was spent



RUSD Innovation in Education

Big Ideas on Proposition 98

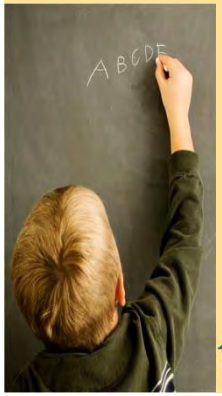
Manipulations Continue to Make Proposition 98 Meaningless

- For all of its complexity, Proposition 98 is simple in concept: provide a minimum level of funding for K-14 education based on the prior year with changes in workload (ADA) and inflation (per-capita personal income or state tax revenues).

- Proposition 98 has become a tool for the state to reduce state obligations to schools, not to keep funding stable as originally intended by the voters.

- Proposition 98 sets the <u>total</u> K-14 funding level based on the established criteria. It does not determine the details on how the funds are allocated.

- The governor's budget proposal includes broken promises related to the Proposition 98 funding levels and includes additional manipulations.
  - P98 is driven by state tax revenues and as such there is a "Plan A" and a "Plan B" in the proposed budget due to the proposed tax initiative.
  - Avoids suspension of P98 – reliant on solutions that can be accomplished with only 50% legislative vote, instead of 66%.



RUSD Innovation in Education

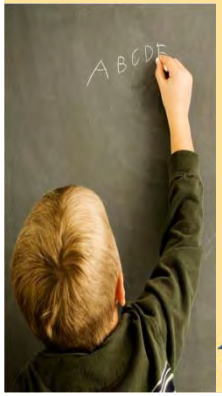
Proposition 98 Fundamentals

COLA of 3.17% Is Not Funded

- Proposal increases current year (2011-12) Proposition 98 by $661 million to $48.3 billion
  - But postpones the funding to a future year as “settle up” funds

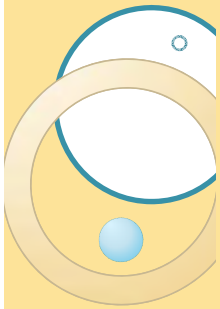
- Proposal increases budget year (2012-13) Proposition 98 by $4.9 billion to $52.5 billion
  - A minor amount is base growth in state revenues
  - The lion’s share is new revenues from the passage of a tax initiative measure on the November 2012 ballot

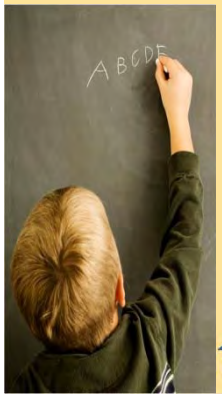
- Cost of Living Adjustment (COLA) and Revenue Limit Deficits
  - COLA for 2012-13 estimated at 3.17% - but is unfunded
  - RL Deficit Factor for 2012-13 is estimated at 21.666%

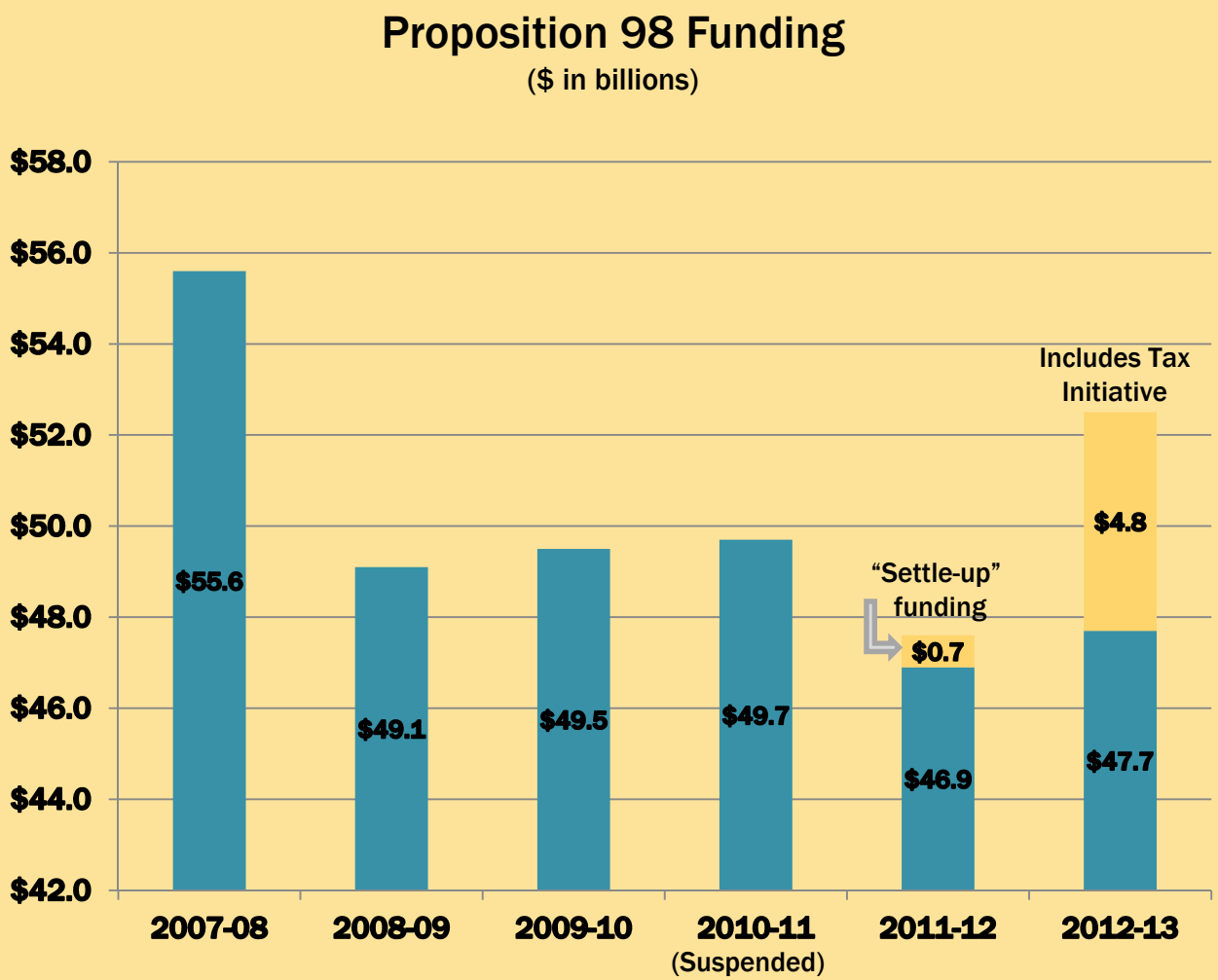


RUSD Innovation in Education

Proposition 98 Funding Guarantee





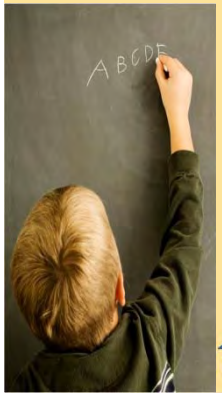


Source: SSC

Proposition 98 Fundamentals

All New Proposition 98 Funds Go to Reducing Cash Deferrals

- With $4.9 billion in new Proposition 98 funding, why is K-14 "flat funded"?
  - Restoration of some cash deferrals
    - $2.4 billion is used to maintain current-year spending levels (avoiding an additional deferral)
    - $2.5 billion is used to buy down inter-year deferrals by moving some expenditures back into the current year (approximately $10 million buy down for RUSD)
  - Chipping away at the inter-year deferrals is absolutely the right decision for 2012-13 – you can run out of budget, but you can't run out of cash.
  - Under "Plan B", the $2.5 billion buy down noted above is rescinded and remains.
    - Total inter-year deferrals would remain at approximately $10.4 billion ($80 million for RUSD)



RUSD Innovation in Education

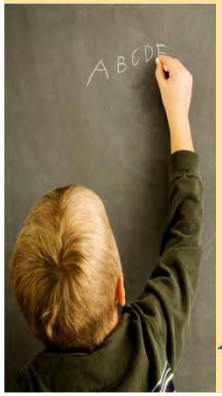
What If The Initiative Fails? – "Plan B"

Mid-Year Automatic Triggers Cut Education Hard

- Following the 2011-12 State Budget strategy, the proposed budget contains a new set of automatic trigger reductions linked to the failure of the proposed tax initiative.

- Education is the hardest hit – 97.1% of the mid-year cuts

Programs Targeted for Trigger Cuts		
Program	**Amount**	**% Share**
Proposition 98	$4,837M	89.7%
University of California	$200M	3.7%
California State University	$200M	3.7%
Courts	$125M	2.3%
All Other	$28M	.6%
Total	$5,390	100%



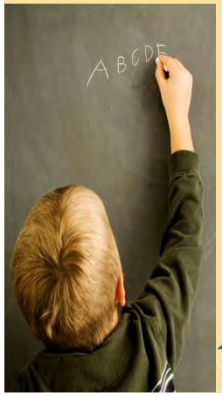
What If The Initiative Fails? – "Plan B"

Proposition 98 Manipulated and Deferrals Increase

- Proposition 98 would be reduced mid-year by $4.8 billion if the tax initiative fails

- At the state level…
  - Inter-year deferral buyout is rescinded, and existing deferrals are maintained saving $2.4 billion
  - Debt Service on school facilities is re-categorized as Proposition 98 expenditures – "rebenching" Proposition 98 by counting these costs against education funding and reducing the burden on the state's general fund. (Debt Service has historically been outside of Proposition 98.)

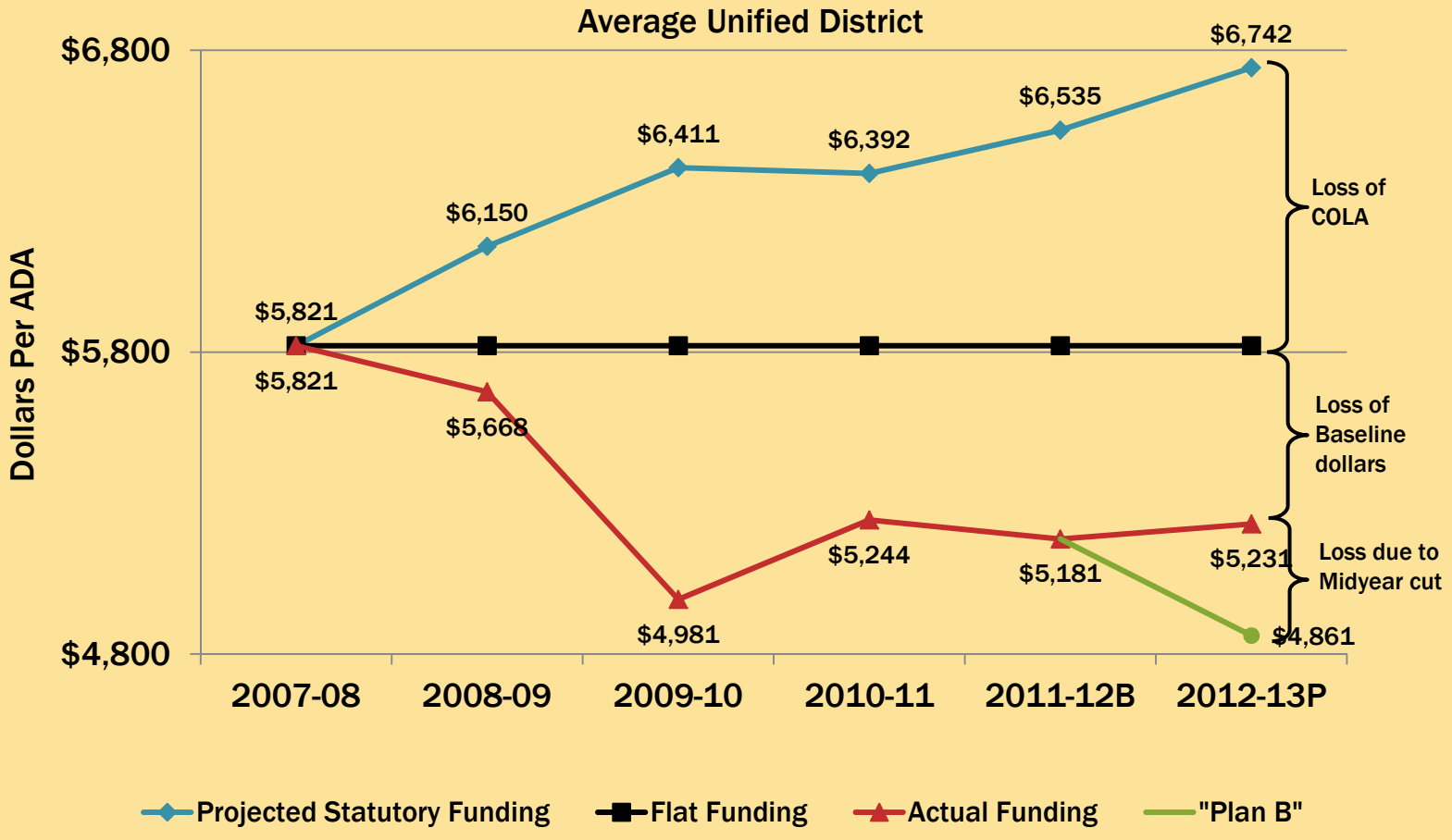
- At the local level…
  - Inter-year cash deferrals climb back to 2011-12 levels (+$10 million for RUSD)
  - Loss of approximately $370 per-ADA in revenue (budget) ($15.5 million for RUSD)



RUSD Innovation in Education

Funding Per ADA

Actual vs. Statutory Funding Levels



Source: SSC

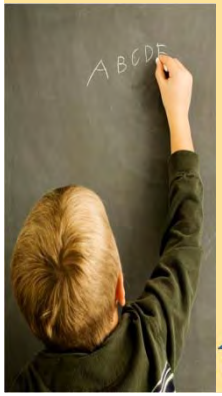
Big Ideas on K-12 Policy Changes

Fiscal Policy Changes Are Positive for RUSD

- Proposal includes significant education fiscal and policy shifts.
  - Responsive to long-time calls for…
    - Simplification of school finance formulas
    - Facilitation of local control over dollars
    - Equalization of funding and move away from one-size fits all approach
  - Winners and losers today means there will be winners and losers during the transition, but ultimately the disparity between districts is eliminated.

- When aggregated together, the policy shifts do not provide additional funds, they represent a redistribution of existing funds. To do it perfectly, new funds are required in the mix.

- All will be heavily debated, with proponents and opponents already lining up.



RUSD Innovation in Education

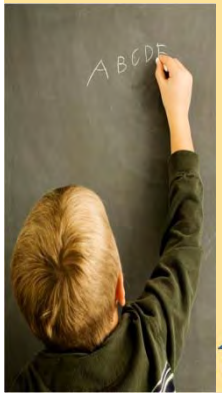
Weighted Pupil Funding Formula

Includes Immediate Categorical Flexibility

- A five-year phased implementation school funding model based on a weighted pupil formula that factors additional funding for disadvantaged student populations measured by concentrations of English Learners and students eligible for Free and Reduced-Price Lunch.
  - Modeled after UC Berkeley study authored by SBE Chair Michael Kirst

- All state categorical programs (except five) will be consolidated and included in the formula and immediately and permanently be made fully flexible.
  - Excluded programs: Special Education, child nutrition, Quality Education Investment Act, After School Education (Prop 49), Preschool and other federally mandated programs

- There is not enough detail in the proposed budget to support modeling the changes and determining exact impact on RUSD.

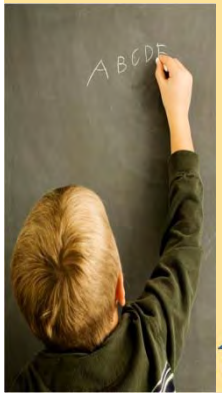


RUSD Innovation in Education

Mandate Reform

Mandated Cost Reimbursements To Move to Block Grant

- Eliminates over half of the existing mandates and replaces them with a forward-funded incentive block grant on a per-ADA funding basis
  - Mandates preserved: those related to student health and safety, employment related functions and fiscal accountability reporting
- Optional participation, but schools participating must demonstrate full compliance with preserved mandates
- Current mandate reimbursement program is grossly over complicated and underfunded at about $20 million per year
  - Proposed block grant is valued at $200 million ($178M for K-12)
  - Estimated at approximately $25-30 per-ADA, or $1.2M for RUSD
- Proposal closely mirrors reform long advocated by RUSD and RCSAA



RUSD Innovation in Education

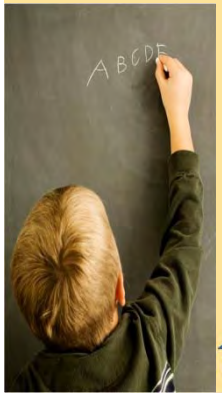
Transitional Kindergarten

Post-release Comments Indicate Move to Make Program Optional

- Eliminates requirement for schools to provide Transitional Kindergarten programs originally slated to be implemented next school year
  - However, age of admission for apportionment purposes will still roll back one month each year
    - 2012-13: November 1
    - 2013-14: October 1
    - 2014-15: September 1

- Reserves recent law, but saves disputed $223 million in first year and likely $600+ million permanently

- Timing for a decision is critical due to kindergarten enrollment considerations and staff planning related to implementation of a new program



RUSD Innovation in Education

Transportation Funding

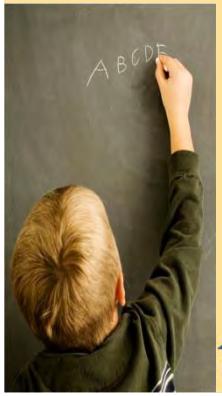
Continues Current Mid-Year Cut and Eliminates All Funding

- Eliminates all funding for pupil transportation – home-to-school and Special Education
  - Interprets one-time mid-year cut in current year as on-going reduction
  - $619 million annual apportionment within Proposition 98
  - Cut is not tied to tax initiative – proposed with or without new taxes

- Impact varies widely across districts since current formula is very disparate and unrelated to service levels or costs

- HTS transportation is voluntary, Special Education is mandatory

- For RUSD, funding elimination has a $1.9M annual impact against a program that costs $11M
  - Minor adjustments may be made in services, but no current thought to eliminate or greatly reduce current service



RUSD Innovation in Education

What Does This All Mean for RUSD?

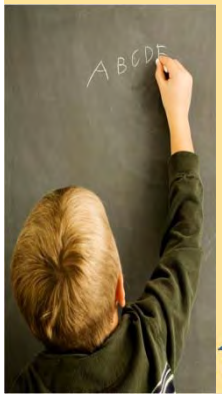
Best Case With and Without Tax Initiative - Budget

- Best case scenarios with and without the proposed tax initiative vary greatly.

Jul 1 With New Taxes		Jan 1 Without New Taxes	
Budget		Budget	
Loss of Transportation Funds	($1.8)	Loss of Transportation Funds	($1.9)
Gain of Mandate Block Grant	$1.2	Gain of Mandate Block Grant	$1.2
		Loss of Revenue Limit $370	($15.1)
Total	($0.6)	Total	($15.8)

($ in Millions)

- Worst case scenarios for either scenarios is unknown as the legislature may tweak any number of details that substitute other reductions for the ones proposed by the governor, or do not adopt funding increases as proposed.



RUSD Innovation in Education

Amounts are approximate.

What Does This All Mean for RUSD?

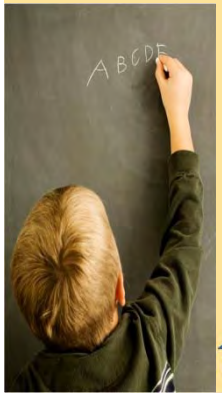
Best Case With and Without Tax Initiative – Cash

- Best case scenarios with and without the proposed tax initiative vary greatly.

Jul 1 With New Taxes		Jan 1 Without New Taxes	
Cash		Cash	
$2.1B Deferral Restoration	$10.0	$2.1B Deferral Not Restored	($10.0)
Total	$10.0	Total	($10.0)

($ in Millions)

- Worst case scenarios for either scenarios is unknown as the legislature may tweak any number of details, specifically the proposal to use all new funds under the "with taxes scenario" to fund portions of COLA or other programs instead of applying the funds to the reduction of the inter-year deferrals.



RUSD Innovation in Education

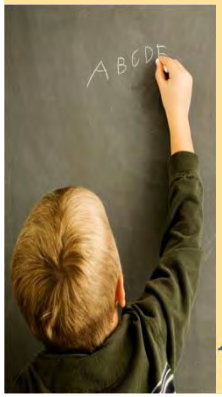
Amounts are approximate.

Updated Multiyear Projections

Governor's "Plan A" and "Plan B" Have Differing Impacts

Jul 1 With New Taxes			Jan 1 Without New Taxes		
2011-12	2012-13	2013-14	2011-12	2012-13	2013-14
Deficit Spending					
($20.4)	($18.6)	($22.3)	($20.4)	($33.5)	($37.1)
Fund Balance					
$69.8	$51.2	$28.9	$69.8	$36.3	($0.7)
Shortfall in Fund Balance					
$0	$0	$0	$0	$0	($9.7)

($ in Millions)
2011-12 Updated for Midyear Reductions Pursuant to AB 114
All amounts are approximate; details are insufficient at this time to fully model.



RUSD Innovation in Education

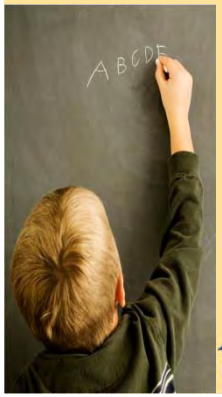
"Take Aways"

The "New Norm" Is Taking Shape

- The governor's stated goal for education is to…
  - Stabilize the funding free-fall of the past few years
  - Create a foundation that supports rebuilding
  - Pay down state funding obligations to schools – the "Wall of Debt"

- A stable state budget requires a stable economy – which is not in the cards for the budget year.
  - Once again we are presented with a crisis budget and mid-year triggers

- "One-size fits all" is no longer the approach; there will be local choice and a framework for districts to make their own decisions understanding each community's needs and that each district has a different level of risks.
  - The "new norm" doesn't include more money – at least not now



RUSD Innovation in Education

"Take Aways"

Contingency Planning Will Be Key – Focus On The Long Term

- The name of the budget game for 2012-13 is contingency planning.
  - Continue to manage fund balance
    - Build balance in anticipation of mid-year cuts
  - Continue to manage cash
    - Running out of cash equates to failure
  - In this environment, you can't recover from a mistake

- Timing is the biggest hurdle; we need decisions now to make the best choice

- Focus must be on the long term, but we can't ignore the near term
  - Balancing RUSD's three-year budget window will involve significant action
  - Cuts to-date are already at the edge of basic program – there is ultimately a moral standard we must uphold to protect our students
  - Although layoffs must be the last resort, there are few choices that don't involve impacts to people

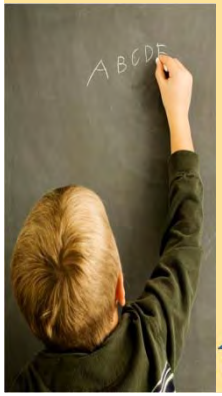
RUSD Innovation in Education

“Take Aways”

Given The Circumstances, This Is A Positive Budget

- There is much to dislike about this budget, but there are long-term positive elements.
  - Proposed policy changes are positive for RUSD and support local control of the utilization of funds for the betterment of Riverside’s students.
  - Proposals are reflective of input from the field; some in the “dome” are listening!

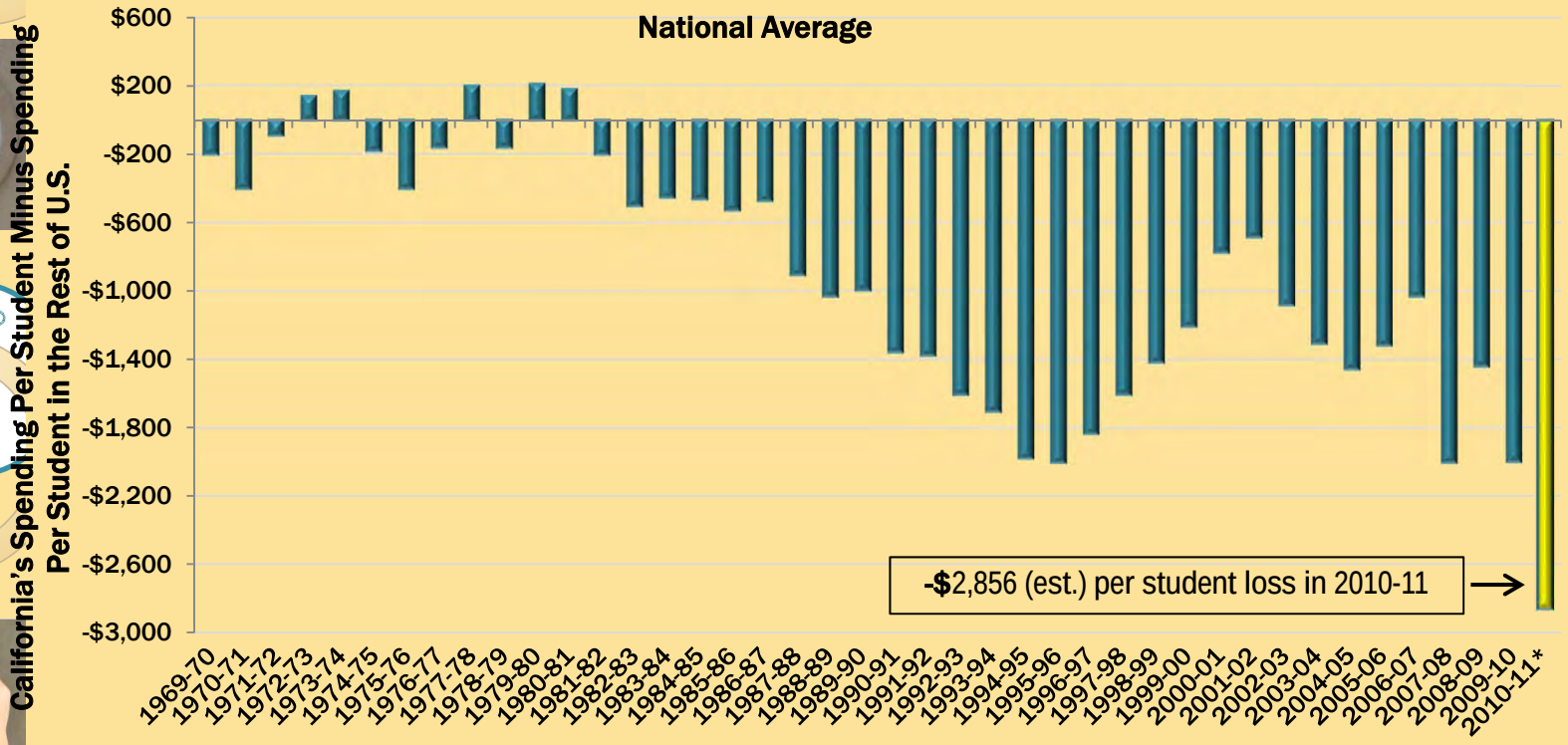
- Ultimately, the state doesn’t have the funds and Proposition 98 is not a protection - but education must be a priority for our long term health
  - Per-capita, state revenues are still higher than other states; but per-capita spending is even higher.
  - California spends far less than the national average on education; but more than average on prisons, health and welfare and social services.



RUSD Innovation in Education

California Education Spending Lags

California's K-12 Spending Per Student Lags Behind That Of The Rest of the U.S. More Than At Any Time In 40 Years



* 2010-11 data estimated
Note: Rest of U.S. excludes the District of Columbia
Source: SSC/National Education Association

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	High School Graduation Requirements
Presented by:	Mrs. Tamara Kerr, Assistant Principal
Responsible Cabinet Member:	Dr. William E. Ermert, Assistant Superintendent, Instructional Services
Type of Item:	Report/Discussion
Short Description:	In order to better prepare students for college and career readiness, the High School and Middle School Task Forces have focused and collaborated with appropriate groups on how to increase student achievement for students who receive a Riverside Unified School District high school diploma.

DESCRIPTION OF AGENDA ITEM:

The High School and Middle School Task Forces will present a proposal to change the graduation requirements to include three courses in two subject areas from the following: Visual and Performing Arts, Foreign Language, or Career Technical Education. The current requirement is one year of Visual and Performing Arts or Foreign Language. This would be effective for incoming 9th grade students in the fall of 2012.

FISCAL IMPACT: None

RECOMMENDATION: None

ADDITIONAL MATERIAL: None

Board Meeting Agenda
February 6, 2012

Topic:	Evaluating and Establishing Districting Criteria Related to the California and Federal Voting Rights Acts
Presented by:	Michael Fine, Deputy Superintendent, Business Services and Governmental Relations
Responsible Cabinet Member:	Michael Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Action
Short Description:	The Board of Education is being asked to evaluate and establish districting criteria to be used by staff in performing analysis related to whether or not the need exists to consider the establishment of trustee areas for Governing Board elections pursuant to the provisions of California Education Code sections 5019 et seq.

DESCRIPTION OF AGENDA ITEM:

On August 15, 2011, the Board of Education began a conversation about undertaking a study to determine whether or not the need exists to consider the establishment of trustee areas for Governing Board elections pursuant to the provisions of the California Education Code and the California Elections Code. Staff continues its preliminary work in this regard and desires that the Board of Education evaluate and establish specific legal and demographical criteria that would be used to draw potential districting scenarios.

The following eight criteria are recommended to the Board of Education to consider as a basis for preliminary discussion and use. The eight criteria are broken down in to two categories – "legal" and "local preference" criteria.

Legal Criteria

1. Each trustee area shall contain a nearly equal number of inhabitants. There should be less than a 10 percent deviation in total population from the highest to lowest populated trustee areas.

2. Trustee areas must be drawn to comply with the Federal Voting Rights Act. For example, care should be taken not to draw areas that "pack" minorities into a single district, thereby diluting their voting strength in the remaining areas. Conversely, care should be taken to avoid drawing areas where minorities are dispersed in districts in such a way as to render them unable to influence the outcomes of elections in any of the districts (known as "cracking").

Local Preference Criteria

3. Trustee areas should be as compact and contiguous, as much as possible

4. Trustee areas should respect communities of interest, as much as possible

5. Trustee areas should follow man-made and natural geographic features, as much as possible. For example: major streets/roads/highways, railroads, bodies of water, other topographical features.

6. Trustee areas may respect incumbency.

7. Each high school attendance boundary must be represented by at least two (2) trustee areas.

8. Trustee areas should be drawn to account for future growth, as much as possible

The criteria listed above are examples commonly found in districting analysis. The list of local preferences may be expanded or constricted. In evaluating and establishing local criteria, the Board of Education should consider to what degree the local preferences should be considered and weighed.

This criteria will be used to prepare preliminary maps of trustee areas that will be considered as part of the larger discussion and decision on whether or not the need exists to consider the establishment of trustee areas for Governing Board elections pursuant to the provisions of California Education Code sections 5019 et seq.

FISCAL IMPACT: None related to this specific agenda item.

RECOMMENDATION: It is recommended that the Board of Education evaluate and establish districting criteria to be used by staff in performing analysis related to whether or not the need exists to consider the establishment of trustee areas for Governing Board elections pursuant to the provisions of California Education Code sections 5019 et seq.

ADDITIONAL MATERIAL: None

Attached: No

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	Establishment of Tie-Breaking Criteria and Skipping Criteria
Presented by:	Michael Fine, Deputy Superintendent, Business Services and Governmental Relations
Responsible Cabinet Member:	Michael Fine, Deputy Superintendent, Business Services and Governmental Relations
Type of Item:	Action Item
Short Description:	Board approval is requested for 1) tie-breaking criteria pursuant to Education Code Section 44955(b), and 2) retention of certificated employees who possess special training or experience (skipping criteria) pursuant to Education Code Section 44955(d).

DESCRIPTION OF AGENDA ITEM:

In preparation for the possibility that the Board of Education will be requested to approve reduction or discontinuance of certain particular kinds of services for the 2012-13 school year, it is necessary for the Board of Education to consider and approve 1) tie-breaking criteria pursuant to Education Code Section 44955(b), and 2) retention of certificated employees who possess special training or experience (skipping criteria) pursuant to Education Code Section 44955(d).

Board of Education approval is requested for tie-breaking criteria to determine the seniority rank order for employees whose seniority began on the same day pursuant to Education Code Section 44955(b). Such criteria are required to differentiate between employees based on an objective expression of the District's needs should it become necessary to determine the order of termination for employees who first rendered paid service as a certificated probationary employee to the District on the same day. The Tie-Breaking Criteria is attached.

Board of Education approval is requested for criteria to retain certificated employees who possess special training or experience, commonly referred to as skipping criteria, pursuant to Education Code Section 44955(d). Such criteria are required to retain certificated employees who possess special training or experience, which other certificated employees with more seniority do not possess, to teach a specific course of study. The Criteria for Retention of

Certificated Employees Who Possess Special Training or Experience (Skipping Criteria) for is attached.

FISCAL IMPACT: None specific to this agenda item.

RECOMMENDATION: It is recommended that the Board of Education approve 1) tie-breaking criteria pursuant to Education Code Section 44955(b), and 2) retention of certificated employees who possess special training or experience (skipping criteria) pursuant to Education Code Section 44955(d).

ADDITIONAL MATERIAL: 1) Tie-Breaking Criteria, and 2) Criteria for Retention of Certificated Employees Who Possess Special Training or Experience (Skipping Criteria).

Attached: Yes

RIVERSIDE UNIFIED SCHOOL DISTRICT
Human Resources

Reduction in Force/Lay-Off
TIE-BREAKING CRITERIA

Pursuant to provisions of Education Code §44955(b), the Board of Education has established the following criteria to determine the seniority rank order for employees whose seniority began on the same day. Such criteria are required to differentiate between employees based on an objective expression of the District's needs should it become necessary to determine the order of termination for employees who first rendered paid service as a certificated probationary employee to the District on the same day.

For the 2012-2013 school year, in order to meet the requirements of Education Code §44955(b), the Board of Education determines the needs of the District and the students by establishing the following tie-breaking criteria:

Criteria to be Applied:

A. Math, Science, or Special Education Credentials
   Rating: +2 per credential

B. Teaching Supplemental Authorization or Teaching Subject Matter Authorization (includes all subject areas)
   Rating: +1 per each authorization

C. BCLAD or equivalent (if required for current assignment)
   Rating: +3
   BCLAD or equivalent (if not required for current assignment)
   Rating: +2
   CLAD or equivalent
   Rating: +1

D. Earned degrees
   Rating: +1 for each additional BA/BS degree beyond the first BA/BS degree
   +1 for each Master's degree
   +1 for Ph.D. or Ed.D. degree

E. Preliminary vs. Clear/Life Credentials
   Rating: +1 per preliminary
   +2 per clear/life credential

RIVERSIDE UNIFIED SCHOOL DISTRICT
Human Resources

Reduction in Force/Lay-Off
CRITERIA FOR RETENTION OF CERTIFICATED EMPLOYEES WHO POSSESS SPECIAL TRAINING OR EXPERIENCE (SKIPPING CRITERIA)

Pursuant to provisions of Education Code §44955(d), Board of Education has established the following criteria to retain certificated employees who possess special training or experience, commonly referred to as skipping criteria. Such criteria are required to retain certificated employees who possess special training or experience, which other certificated employees with more seniority do not possess, to teach a specific course of study.

For the 2012-2013 school year, in order to meet the requirements of Education Code §44955(d), said training or experience includes possession of the following:

A. The certificated employee must possess a Bilingual Cross-cultural Language, and Academic Development Certificate (BCLAD).

Riverside Unified School District

3380 14th Street • Riverside, CA • 92501

Board Meeting Agenda
February 6, 2012

Topic:	New Career Technical Education (CTE) Course Proposal: "Advanced Digital Video Production"
Presented by:	Mr. Wade Coe, Principal, Polytechnic High School Polytechnic High School Staff
Responsible Cabinet Member:	Dr. William Ermert, Assistant Superintendent, Instructional Services
Type of Item:	Action
Short Description:	The new Career Technical Education (CTE) course entitled "Advanced Digital Video Production" course is submitted for the Board's approval.

DESCRIPTION OF AGENDA ITEM:

The submitted course description is for a year-long course which provides a capstone type of advanced course. Students will develop knowledge of modern video production practices and engage in hands-on learning with state-of-the-art digital video equipment including cameras, lighting, sound recording, and Apple computer-based video editing software. Students will plan and produce a wide variety of digital video productions including school and district video projects.

FISCAL IMPACT: None

RECOMMENDATION: It is recommended that the Board of Education approve the Career Technical Education course "Advanced Digital Video Production".

ADDITIONAL MATERIAL: Advanced Digital Video Production Course Outline

Attached: Yes

Advanced Digital Video Production

COURSE OUTLINE

1. Course Title: **Advanced Digital Video Production**
2. Course Number:
3. Course Duration: **1 year** ***(course may be repeated for a maximum of 30 credits)***
4. Grade Levels: **10, 11, 12**
5. A-G Certified: **UC/CSU *VAPA* (F) and *Elective* (G) certification <u>will be pursued</u>**
6. Pre-requisites: **Video Production (1 semester) with grade of "C" or better or instructor approval**

Video Production Pathway

Recommended Sequence	Courses
Introductory (Level I)	Graphic Design or ROP Digital Imaging (1 semester minimum)
Intermediate (Level II)	Video Production (1 semester)
Advanced (Capstone)	**Advanced Digital Video Production (1 Year)**

7. Course Purpose:

This course is designed to provide students with the opportunity to apply and expand the skills they learned in Video Production to multiple areas of the television industry and the careers involved. Students will engage in many facets of the job market including the areas of talent, production, engineering and management. Upon completion, they will possess many marketable skills to pursue employment and/or higher education related to this industry.

8. Course Description:

This advanced video/media class offers students a hands-on training in filmmaking and advanced digital video skills. Students will learn advanced skills utilizing digital camcorders, non-linear editing software and television studio equipment. The emphasis will be on refining advanced skills and techniques including planning, producing, directing, editing rendering/distributing and performing for video. Small and large group productions will be produced as well as a weekly video Announcements/Newscast broadcast to the entire student body. Students will shoot, produce and broadcast videos of school and community events. The course will emphasize creating a flexible and creative working atmosphere that stresses profession productivity, storytelling through video and responsible broadcasting standards.

9. Job Titles:

Videographer	Special Effects Technician	Lighting Technician
Camera Assistant/Grip	Production Artist	Production Manager
Instructional Video Designer	Producer	Storyboard Artist
Instructional Video Trainer	Graphics/Titles Designer	Video Engineer
Production Technician	Director	Editing Engineer
Editing Technician	Assistant Director	Production Designer
Sound Technician	Gaffer	Set Designer
Foley Artist	Boom Operator	Location Manager

10. Course Objectives:

Students will:

1. Demonstrate proper care and use of the following Digital Video equipment and the terminology associated with each;
    a. Cameras and accessories
    b. Sound recording and editing equipment and accessories
    c. Lighting equipment and accessories
    d. Industry-standard video editing and animation software
    e. Video exporting using current video media formats
    f. Disk-based duplication equipment
    g. Internet distribution through a Content Delivery Network (Streaming/Video on Demand)
2. Create and use preproduction documents such as storyboards, shooting scripts, proposals, instructional design scripts, shot lists, editing scripts, text lists, lighting design documents, wardrobe lists and location diagrams.
3. Demonstrate proper use of industry terminology in all production materials, activities and critiques of other media.
4. Write, direct, produce, broadcast and distribute a quality digital video product that tells a story and/or conveys a message while demonstrating technical excellence.
5. Demonstrate industry level ability and familiarity in Digital Video Technology by critiquing digital videos in a variety of genres (Commercials (PSAs), Documentaries, Short Films and Newscasts).
6. Create and Broadcast a weekly Video Announcements News Show;
    a. Plan and direct news show
    b. Direct video crews
    c. Create live to tape shows (including internet broadcasts)
    d. Understand and implement the technical process in broadcasting these shows
    e. Demonstrate time and production management to meet air dates
7. Work as part of the RUSD's District Video/Photography Production team as show producers, directors, live switchers, studio camera operators, audio technicians, character generators and playback.
8. Plan, produce and edit advanced video projects that demonstrate competence, excellence and an understanding of how to tell a story or process in a video.
9. Plan, and create a video to enter into community video contests and/or digital video festivals.
10. Prepare and maintain an ongoing resume and portfolio to present to professional digital video organizations and/or potential employers.

11. Hours: *Students receive up to <u>156</u> hours of classroom instruction.*

12. Date (of creation/revision): January 2011

13. Course Outline (following pages)

Upon successful completion of this course, students will be able to demonstrate the following skills necessary for entry-level employment.

Career Technology Education Competencies	CTE Model Curriculum Standards	CA Academic Content Standards
I. Career Planning and Management A. Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers. 1. Students will identify skills needed for job success. 2. Students will identify the education and experience required for moving along a career ladder. B. Understand the scope of career opportunities and know the requirements for education, training, and licensure. 1. Students will describe how to find a job. 2. Students will select two jobs in the field and map out a timeline for completing education, certification or licensing requirements. 3. Students will describe career opportunities in the industry sector specifically including teaching. C. Develop a career plan that is designed to reflect career interests, pathways and postsecondary options. 1. Students will conduct a self-assessment and explain how professional qualifications affect career choices. D. Understand the role and function of professional organizations, industry associations and organized labor in a productive society. 1. Contact two professional organizations and identify the steps to become a member. E. Understand the past, present and future trends that affect careers, such as technological developments and societal trends, and the resulting need for lifelong learning. 1. Students will describe careers in business. 2. Students will identify work-related cultural differences to prepare for a global marketplace. 3. Students will relate the importance of the business management to the California economy. F. Know the main strategies for self-promotion in the hiring process, such as completing job applications, resume writing, interviewing skills, and preparing a portfolio. 1. Students will write and key a resume, cover and portfolio. II. Technology A. Understand past, present and future technological advances as they relate to a chosen career pathway. B. Understand the use of technological resources to gain access to, manipulate, and produce information, products and services. 1. Students will demonstrate the ability to complete simple tasks on the computer, including word processing, and desktop publishing software. C. Understand the influence of current and emerging technology on selected segments of the economy. D. Use appropriate technology in the chosen career pathway. III. Problem Solving and Critical Thinking A. Apply appropriate problem-solving strategies and critical thinking to work-related issues and tasks. B. Use critical thinking skills to make informed decisions and solve problems.	**Arts, Media & Entertainment Industry Sector Foundation Standards:** Reading 2.0 (2.6) Writing 2.2 (2.5, 2.6) Career Planning & Mgmt. 3.1, 3.2, 3.3, 3.4, 3.5,3.6, 3.7 Technology 4.1, 4.2 4.3, 4.4, 4.5, 4.6	Language Arts (9/10) R2.1,2.3,2 W2.5 LC1.4 LS 1.1, 2.3 Language Arts (11/12) R2.3 W2.5 LC1.2 Math (7) NS1.2, 1.7 MR 1.1,1.3 2.7,2.8, 3.1

IV. Health and Safety A. Know policies, procedures, and regulations, regarding health and safety in the workplace. B. Use tools and machines safely and appropriately. C. Know how to both prevent and respond to accidents in the industry. V. Responsibility and Flexibility A. Understand the qualities and behaviors that constitute a positive and professional work demeanor. B. Understand the importance of accountability and responsibility in fulfilling personal, community, and work place roles. C. Understand the need to adapt to varied roles and responsibilities. VI. Ethics and Legal Responsibilities A. Know the major local, district, state and federal regulatory agencies and entities that affect the industry and how they enforce laws and regulations. B. Understand the concept and application of ethical and legal behavior consistent with workplace standards. 1. Contact a business and obtain a copy of their rules for employment. 2. Role-play different ethical scenarios. C. Understand the role of personal integrity and ethical behavior in the workplace. VII. Leadership and Teamwork A. Understand leadership, cooperation, collaboration, and effective decision-making skills applied in group or team activities, including the student organization. VIII. Technical Knowledge and Skills A. Understand the aims, purposes, history, and structure of various professional graphic organizations, and know the opportunities they make available.		

Instructional Units and Competencies	CTE Model Curriculum Standards	CA Academic Content Standards
I. Orientation and Safety A. Introduction to Audio and Video Technology B. Introduction to Advanced Video Structure C. Care and Maintenance of Cameras and Equipment D. Care and Maintenance of Sound, Lighting and other Studio Equipment E. Health and Safety II. Video Communication Issues A. Ethics and Morality B. Video Communication in Our Culture 1. Types of Video (PSAs, Commercials, News, Film, etc.) C. Product Placement D. Media Literacy E. Copyright Issues III. Video Camera Skill Set A. Set-up and Basic Functions of Video Cameras and Accessories 1. Basic Camera Functions 2. Using tripods, changing batteries, microphones, lighting. B. Advanced 3-Chip Camera Technique and Framing IV. Studio Equipment (with RUSD's District Video/Photography Production Team) A. 3-Chip and Studio Cameras (Including Camera Control Units/Headsets) B. Video Camera Remote Controls/Switcher Operation C. Power Sources for Studio D. Audio/Mic/Sound Recording and Playback E. Lighting and Studio Production Techniques F. Broadcasting Live on the Internet V. Advanced Video Camera Techniques and Composition A. Hand-Held, Tripod B. Depth of Field C. Focusing D. Camera Placement, Movement and Angles E. Cuts and Transitions F. Framing and Shot Types G. Matched Action VI. Video Camera Lighting A. On-Camera Lighting B. TV Studio Lighting C. Reflections D. Three Point Lighting Technique E. Lighting for Green Screen VII. Advanced Audio A. On-Camera Audio B. Microphones and Connectors C. Microphone Techniques D. Audio Mixing Boards E. Troubleshooting Audio	**Arts, Media & Entertainment Industry Sector Foundation Standards:** A1.0 (1.0) A1.2 (2.2) A1.2 (2.3) A2.2 A2.6 A2.7 Information Technology Industry Sector Media Support & Services Pathway B1.6 B2.1 B4.1	ELA 1.0 1.5, 2.2, 2.3, 5.1 Science 9-12 Physics; 4a & d

VIII. Pre production Techniques
- A. TV/Video Crew Production Personnel and Roles
- B. TV/Video Show Pre Production Planning
  - 1. Proposals
- C. Storyboards
- D. Studio and Field Productions (Planning Shots and Locations)
- E. The Message: Telling a Story Through Video
- F. Audio-Video Edit Plan

IX. Production Techniques (See Sections V-VII)

X. Editing: Non-Linear Post Production Systems (Final Cut Pro)
- A. Editing Video
  - 1. Importing and Organizing
  - 2. Setting In/Out Points and Sub-Clips
  - 3. Insert, Overlay, 3-point and 4-point Editing
  - 3. Working with Timelines (speed, duration, other options)
  - 4. Editing with Multiple Video Tracks, Layers and PIP.
  - 5. Video Transitions
- B. Editing Audio
  - 1. Importing and Organizing Various Audio Sources: CD, MP3, Live-Recording Sound, and other Computer-Generated Audio
  - 2. Editing with Multiple Audio Tracks
  - 3. Audio Overlays, Setting In/Out Points and creating Sub-Clips
  - 4. Setting and Changing Mixing Levels Within a Sequence
  - 5. Transitions: Creation, Timing (speed/duration) and Layering
- C. Editing and Using Graphics
  - 1. Creating/Editing with Adobe Photoshop/Illustrator
  - 2. Importing and Organizing
  - 3. Sizing/Positioning
  - 4. Duration and Layering
  - 5. Transitions and Effects
- D. Special Effects and Animation
  - 1. Key Frames
  - 2. Upper/Lower Thirds, Motion Backgrounds and Overlays
  - 3. Titles and Text
  - 4. Layering
  - 5. Motion Control (Transition Swipes, Animated Objects)
  - 6. Green Screen and Keying
  - 7. Apple Motion, and Third-Party Media
    - i. Apple Motion
    - ii. Digital Juice video, motion graphics, audio elements

XI. Compilation and DVD Authoring
- A. Selecting an Appropriate Video Format (Final Cut Pro/Compiler)
  - 1. Video for Internet and/or Computer-Based Broadcast
  - 2. Video for DVD/Blu-Ray Distribution
- B. Burning DVDs: Standard Definition/High-Definition (AVCHD)
- C. Creating Dynamic DVD Menus, Chapters, etc. (Adobe Encore)

XII. Video Context and Professional Production Techniques (Integrated Throughout)
- A. Genres: Types of and Techniques Utilized in Various Video Productions (PSAs, Commercials, Newscasts, Documentaries, Films, etc.)
- B. Directors Report (Critiquing Production)
- C. Craftsperson Reports (Critiquing Technique)
- D. Self-Evaluation of Individual/Group Projects

14. Key Assignments: (individual tasks/assignments will vary)

1. Weekly Video Announcements Broadcast
2. Video Yearbook Segments
3. Shooting/Editing Video for School Activities (sports, VAPA, clubs, ASB, etc.)
4. Promotional Videos for School and/or Community Events
5. Videos for Community Contests and/or Film Festivals
6. Students will create and maintain a Portfolio showcasing clips of their videos.
7. Assist RUSD's District Video/Photography Production Team on District and/or Community Events (minimum of 1 event per quarter)
8. Produce Video for Private Individuals/Companies as a Fundraiser (if applicable)

15. Instructional Methods, Strategies and Expected Outcomes

- Direct and guided instruction including lectures, active learning, discussions, modeling, reflection, self-assessment/evaluation and peer-coaching.
- Project-based learning incorporating the planning, production and post-production processes.
- Individual and small group work offering each student the opportunity to vary their roles and responsibilities within the creative process.
- Communication skills with their peers, faculty and staff, community members and outside resources in order to achieve the goals of their assignments and projects.