



BOARD MEETING AGENDA
Monday, January 14, 2013
Regular Meeting - 7:00 P.M.

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Richard B. Currie
*General Manager/
District Engineer*

David M. O'Hara
Attorney

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
- Motion 4. Minutes of the December 10, 2012 Board Meeting.
Motion to approve the Minutes of December 10, 2012 as submitted.
5. Written Communications
6. Oral Communications
The public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District office at least one working day prior to the meeting). This portion of the agenda is where a member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction that is not on the agenda. If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. Oral comments are limited to three minutes per individuals, with a maximum of 30 minutes per subject. Speaker's cards will be available in the Boardroom and are to be completed prior to discussion.
- Motion 7. Monthly Operations Report for November, 2012 (to be reviewed by the Budget & Finance Committee).
- Motion 8. Approving Revised Policy Number 5334, Equal Employment Opportunity (to be reviewed by the Personnel Committee).
- Motion 9. Approving Revised Policy Number 5340, Gratuities (to be reviewed by the Budget & Finance Committee).
- Public Hearing 10. Public Hearing on the Initial Study and Negative Declaration of Environmental Impacts for the Thickener Control Building Improvements Project (to be reviewed by the Construction Committee).
- Motion 11. Resolution No. 2692, Adopting the Negative Declaration for the Thickener Control Building Improvements Project and Approving the Project as Defined in the Negative Declaration for the Purpose of Filing the Notice Of Determination (to be reviewed by the Construction Committee).
- Motion 12. Resolution No. 2693, Accepting the Construction of the INKA Demolition Project from Evans Brothers Inc. and Authorizing the Attorney for the District to Record a Notice of Completion (to be reviewed by the Construction Committee).

Motion

13. Approving an Addition to the FY13 Non-ECB for a Special Study on Sea Level Rise (to be reviewed by the Legal/Community Affairs Committee).
-

INFORMATION ITEMS

14. Report from the East Bay Dischargers Authority Meeting of December 20, 2012.
-

15. Schedule for Annual Performance Evaluation of the General Manager (to be reviewed by the Personnel Committee).
-

16. Highlights of June, 2011 CalPERS Retirement Valuation (to be reviewed by the Budget & Finance Committee).
-

17. Check register.
-

18. Committee Meeting Reports *(No Board action is taken at Committee meetings)*:

- a. Legislative Committee, 12/17/12 at 5:00 p.m.
 - b. Personnel Committee, 1/8/13 at 4:00 p.m.
 - c. Legal/Community Affairs, 1/8/13 at 4:45 p.m.
 - d. Construction Committee, 1/10/13 at 4:00 p.m.
 - e. Budget & Finance Committee, 1/10/13 at 5:00 p.m.
-

19. General Manager's Report *(information on recent issues of interest to the Board)*.
-

20. Other Business:

- ✓ Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
 - ✓ Scheduling matters for future consideration.
-

21. Adjournment – The Board will adjourn to a Workshop Meeting on January 23, 2013 at 6:30 p.m. to be briefed on the FOG Outreach Program, and then to the next regular Board Meeting on January 28, 2013 at 7:00 p.m.
-

The Public is welcome to provide oral comments at Regular and Special Board meetings. Whenever possible, we request that written statements be provided to the District at least one working day prior to the meeting. If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board's jurisdiction but not on the agenda, the speaker will be heard at the time "Oral Communications" is scheduled. Oral Communications is limited to three minutes per individual, with a maximum of 30 minutes per subject. Speaker's cards are available in the Boardroom and should be completed prior to discussion of the agenda item and handed to the Clerk. The facilities at the District Offices are wheelchair accessible. Any attendee requiring other special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least one working day ahead of the meeting.

THE PUBLIC IS INVITED TO ATTEND



**NOTICE OF
COMMITTEE MEETING**

All meetings will be held in the
General Manager's Office

5072 Benson Road
Union City, CA 94587
(510) 477-7500

**BOARD MEETING
January 14, 2013**

Committee Membership:

Budget and Finance	Directors Anjali Lathi and Jennifer Toy
Construction Committee	Directors Tom Handley and Manny Fernandez
Legal/Community Affairs	Directors Anjali Lathi and Pat Kite
Legislative Committee	Directors Pat Kite and Tom Handley
Personnel Committee	Directors Jennifer Toy and Manny Fernandez
Audit Committee	Directors Jennifer Toy and Tom Handley

Personnel Committee, January 8, 2013 at 4:00 p.m.

- 8. Approving Revised Policy Number 5334, Equal Employment Opportunity
- 15. Tentative Schedule for General Manager's Annual Performance Evaluation

Legal & Community Affairs Committee, January 8, 2013 at 4:45 p.m.

- 13. Approving an Addition to the FY13 Non-ECB for a Special Study on Sea Level Rise

Construction Committee, January 10, 2013 at 4:00 p.m.

- 10. Public Hearing on the Initial Study and Negative Declaration of Environmental Impacts for the Thickener Control Building Improvements Project
- 11. Resolution No. 2692, Adopting the Negative Declaration for the Thickener Control Building Improvements Project and Approving the Project as Defined in the Negative Declaration for the Purpose of Filing the Notice Of Determination
- 12. Resolution No. 2693, Accepting the Construction of the Inka Demolition Project from Evans Brothers Inc. and Authorizing the Attorney for the District to Record a Notice of Completion

Budget & Finance Committee, January 10, 2013 at 5:00 p.m.

- 7. Monthly Operations Report for November, 2012
- 9. Approving Revised Policy Number 5340, Gratuities
- 16. Highlights of June, 2011 CalPERS Retirement Valuation

**Committee meetings may include teleconference participation by one or more Directors
(Gov. Code Section 11123).**

<i>Committee meetings are open to the public; however, only written comments from the public will be considered. No Board action will be taken.</i>

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
December 10, 2012**

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**

PRESENT: Tom Handley, Director
Pat Kite, President
Anjali Lathi, Vice President
Jennifer Toy, Director

ABSENT: Manny Fernandez, Secretary

STAFF: Richard Currie, General Manager/District Engineer
Judi Berzon, Human Resources Administrator
Raymond Chau, Acting Technical Support & Customer
Services Manager
Richard Cortes, Business Services Manager
Dave Livingston, Treatment and Disposal Services Manager
Andy Morrison, Collection Services Manager
David O'Hara, Legal Counsel
Robert Simonich, Fabrication, Maintenance & Construction Manager
Tom Graves, Assistant to the General Manager/Board Secretary

CONSULTANTS: Glenn Berkheimer, IEDA Professional Staff

VISITORS: None.

4. **APPROVAL OF THE MINUTES OF NOVEMBER 12, 2012**

Action

On a motion made by Director Lathi and seconded by Director Handley, the Minutes of the Board of Directors Meeting of November 26, 2012 were approved. The motion carried unanimously (Director Fernandez absent).

5. **WRITTEN COMMUNICATIONS**

There was one official communication from Baywork dated November 16, 2012.

6. **ORAL COMMUNICATIONS**

There were no oral communications.

7. **RESOLUTION NO. 2689, AUTHORIZING THE APPLICATION FOR STATE REVOLVING FUND FINANCIAL ASSISTANCE FOR THE THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT AND DESIGNATING THE TSCS WORK GROUP MANAGER OR HIS DESIGNEE AS THE DISTRICT'S REPRESENTATIVE TO EXECUTE THE FINANCIAL ASSISTANCE APPLICATION FOR A FINANCING AGREEMENT.**

Acting Technical Support & Customer Services Manager Raymond Chau said staff is preparing an application to the State Revolving Fund (SRF) for up to \$10.3M for the design and construction of the Thickener Control Building Improvements Project. The SRF has a requirement that the Board authorize the application by Resolution, and that it also designate a representative to file the application and execute the documents. Staff recommends that the TSCS Work Group Manager or his designee fulfill this role. In addition, staff is requesting authorization to file the application for up to up to \$11.5M, which includes a 10% contingency in the event project costs escalate.

8. **RESOLUTION NO. 2690, REIMBURSING EXPENDITURES PAID PRIOR TO THE APPROVAL OF THE THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT STATE REVOLVING FUND FINANCIAL ASSISTANCE BY THE STATE WATER RESOURCES CONTROL BOARD.**

Mr. Chau continued his report to the Board with this item (Item 8.) This Resolution is to reimburse expenditures paid to the State Water Resources Control Board (SWRCB) prior to the application to the SRF. The State Revolving Fund (SRF) requires us to adopt a "Reimbursement Resolution" that would allow USD to incur expenditures of the Thickener Control Building Improvements Project before the approval of the SRF application. Resolution 2690 meets this requirement and also states USD's intention to be reimbursed by the SWRCB for expenditures incurred on the project before the approval of the SRF financial assistance application.

9. **RESOLUTION NO. 2691, ADOPTING A RESOLUTION TO DEDICATE THE NET REVENUES FOR THE REPAYMENT OF ANY AND ALL STATE REVOLVING FUND FINANCIAL ASSISTANCE ON THE THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT**

Mr. Chau continued his report to the Board with this item (Item 9.) This is a Resolution to dedicate the net revenues for the repayment of any and all State Revolving Fund (SRF) financial assistance on the Thickener Control Building Improvements Project. This is a requirement of the State Water Resources Control Board (SWRCB), and shall remain in effect throughout the term of the financing unless modifications or change in such revenue dedication is approved in writing by the SWRCB.

Action

On a motion made by Director Handley and seconded by Director Lathi, the Board approved Items 7, 8 and 9 in one motion, since these items were all related. The motion carried unanimously (Director Fernandez absent).

- 10. This item was pulled from the agenda by staff.
- 11. This item was pulled from the agenda by staff.

INFORMATION ITEMS:

- 12. **Upcoming Budget Workshops Calendar.** Boardmembers were apprised of upcoming budget workshops on February 4, 2013 (Mid-Year Budget Workshop), March 18, 2013 (Prop. 218 Workshop), and April 15, 2012 (FY14 Budget Workshop).
- 13. **Check register.** Director Handley inquired about rag box removal charges on page 37. Dave Livingston reported that was for headworks screenings, which are picked up by Total waste Systems. He also inquired about charges for Glacier Ice Company. Andy Morrison replied that the amount of ice delivered by Glacier is a standard delivery amount, and provides ice for field crews as well as the lab.
- 14. **Committee Meetings.** The Construction committee met before the Board meeting on December 5, 2012.

15. General Manager's Report.

Mr. Currie reported that on Wednesday, an operation will begin to bypass the Boyce Road Pump Station over a period of 48 hours, and crews will be on 12-hours shifts to assure nothing goes amiss.

An old claim was filed just recently for a sewer backup. The claim is beyond the six-month limitation, but Mr. Currie has decided to pay it anyway since it is for plumbing costs associated with our work, and is approximately \$175.

FMC Group's Planner/Scheduler had to retire due to a serious health condition, and Robert Simonich has been conducting a six-week rotation of trial periods for interested and qualified internal candidates. Those rotations just completed, and Scott Martin will be moving from the Warehouse to FMC as the new Planner/Scheduler. An offer has been made for a new Environmental Compliance Inspector, and that individual will begin in about a week or two.

November was also a good month in Collections, with no overflows to report. As mentioned previously, we did experience a peak flow as high as 57mgd during the recent series of storms, and the average flow for the day was 10 mgd higher than normal.

As the Board is aware, there are Smart covers on some of the District's manholes which detect water levels in manholes. During this last storm, an alarm was received from one of these Smart covers, and we were able to go out, clean it out, and remove some grease build-up. It was good to have that cover in place and to receive that advanced warning.

Regarding the Cogeneration Project, the 90% design submittal is coming out next week. The plan is to have that out for bid in January.

The holiday potluck is this Thursday.

And lastly, regarding the FOG Outreach Program for the Holidays, the GM received no comments from the Board and we will proceed with those plans and conduct a workshop in early January to continue our discussion about next steps, including the wrapping of some USD trucks as a part of that public awareness campaign.

16. OTHER BUSINESS:

There was no other business.

17. **ADJOURNMENT:**

The Board adjourned at 7:17 p.m. to a Closed Session to discuss labor negotiations with SEIU Local 1021 (Calif. Code Section 54957.6); Negotiating Team Members Richard Currie, Glenn Berkheimer, Andy Morrison and Judi Berzon also participated in that discussion.

SUBMITTED:

ATTEST:

TOM GRAVES
SECRETARY TO THE BOARD

ANJALI LATHI
VICE PRESIDENT

APPROVED:

PAT KITE
PRESIDENT

Adopted this 14th day of January, 2013.

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UNION SANITARY DISTRICT
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Jennifer Toy, Director

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SUBMITTED:

ATTEST:

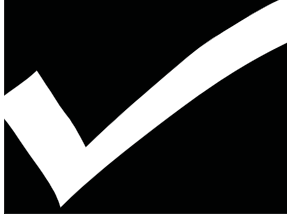
TOM GRAVES
SECRETARY TO THE BOARD

ANJALI LATHI
VICE PRESIDENT

APPROVED:

PAT KITE
PRESIDENT

Adopted this 14th day of January, 2013.



5. Written Communications

Meeting of January 14, 2013

-
1. USD letter to CASA regarding meeting days. January 15, 2013.

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Richard Currie
*General Manager/District
Engineer*

David M. O'Hara
Attorney

DRAFT

January 15, 2013

Roberta Larson, Executive Director
California Association of Sanitation Agencies
1215 K St. Ste. 940
Sacramento, CA 95814

Re: CASA Meeting Days

Dear Catherine:

USD has been an active member of CASA for decades and our Board members have attended the conferences regularly in years past. In the last few years, however, the majority of our Board members have been unable to attend. Our Board of Directors includes working professionals and full time parents who are unable to participate in weekday programs due to career and other commitments. CASA's change of meetings to include Wednesdays and exclude Saturdays has made this even more difficult.

On behalf of our entire Board of Directors, I am writing CASA to again express our opposition to the week-day only conferences. Not only would we prefer the Thursday, Friday, Saturday format, but we also would prefer that some of the conference be scheduled to include Saturday as a full day, substantial session. We feel the current format caters to the management staff and discourages Board members with outside careers from participating. We enjoy attending the CASA conferences and find the information shared to be valuable and educational. We would like to increase our level of participation, but must put our outside careers first in setting our priorities, as the Director position is essentially a volunteer-type role. We hope CASA will consider options that will allow participation from a broader cross-section of its members in the future.

Respectfully,

Pat Kite, President
Board of Directors,

Monthly Operations Report

For the Month of

November, 2012

Presented at the January 14, 2013 Board Meeting

Consisting of 21 Pages

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GENERAL MANAGER'S SUMMARY

Below is a summary of major activities that occurred at the District during November.

ODOR COMPLAINTS: USD received one odor complaint in Fremont. Grease build-up resulted in flow backing up in a manhole, causing odors. The grease was cleared by USD crews and the odor eliminated.

SAFETY: One minor accident occurred with a strain to an employee's hand. The accident did not result in lost time, but was OSHA recordable and ended our current stretch of 88 days without an accident. No employees are off of work due to injury.

FINANCIAL: The annual audit was completed and presented to the Audit Committee and to the full Board of Directors. There were no issues or exceptions.

COLLECTION SYSTEM: There were no spills for the month of November. The Collection System group continues the pilot project to evaluate the effectiveness of televising lines without prior cleaning.

PLANT OPERATIONS: A significant storm with heavy local rain resulted in flows exceeding 57 mgd being discharged from the plant. Good flow management by staff allowed us to avoid use of the emergency wet weather outfall. No overflows occurred. EBDA flows exceeded 170 mgd. The EPA conducted an NPDES Permit inspection of the plant. There were no findings or exceptions.

PROJECTS: The Boyce Road Pump Station project construction continues. The roof was put in place just prior to the storm events. Demolition of the old INKA treatment structures was initiated. The 90% design submittal for the new Cogeneration facilities is due next month. A kickoff meeting was conducted to initiate the upgrade of the District's Computerized Maintenance Management System to Hansen, Version 8.0.

STAFFING & PERSONNEL: The Union failed to achieve the 2/3 vote necessary to ratify the negotiated agreement for a new labor contract. Interviews were conducted for the Deputy GM position. USD received 170 applications for the EC Inspector recruitment, and after testing and interviews, made an offer to the #1 candidate.

UPCOMING EVENTS: Employees will vote on ratification of a modified version of the negotiated contract. A bypass of the Boyce Road Pump Station will occur over a 2-3 day period to allow connection of the new station to the existing discharge pipeline.

G.M. ACTIVITIES: For the month of November, the GM was involved in the following:

- GM attended meetings with EBDA, ACSDA, a Bay Area Managers Roundtable, and the Bay Area Biosolids to Energy Steering Committee.
- GM participated in interviews for the Deputy General Manager and contract negotiations.
- GM prepared a report to the Solano County Board of Supervisors on behalf of BACWA summarizing biosolids management practices in the Bay Area and California.

DIVISION	Reg. Hours	Lt Duty	O/T	Total Leaves*	Sick	STD	WC	Historical FY12			Average Number of Employees
General Manager Staff	1,966		12	514 21%	63 2.5%			66 0.9%			130
Business Service	15,125		35	2,415 14%	369 2.1%	76 0.4%		974 2.1%	203 0.4%		
Technical Service	21,564		49	3,678 15%	1,117 4.4%	92 0.4%		1,448 2.1%	382 0.6%	17 0.0%	Current Number of Vacant Positions (1) 2
Collection System	20,448		1,253	3,182 13%	527 2.2%		120 0.5%	2,133 3.4%	274 0.4%	3,617 5.8%	
Treatment & Disposal	16,740		286	2,420 13%	522 2.7%	144 0.8%		759 1.5%	238 0.5%		Hours Worked Per Week Per Employee (2) 34.99
FMC	12,776		770	3,220 20%	584 3.7%	63 0.4%	(3) 0.0%	1,266 2.9%	236 0.6%	31 0.1%	Projected Average Annual Sick Leave Per Employee (3) 63.62
Totals	88,619		2,403	15,430	3,182	376	117	6,646	1,333	3,665	
%	85.2%		2.3%	14.8%	3.1%	0.4%	0.1%	2.4%	0.5%	1.3%	

(1) Current vacancies include: Business Services (0), Collections (0), FMC (0), T&D (0), TSCS (2)

(2) An employee using 3 weeks vacation, 11 holidays, 2 HEC days and 40 hours of sick leave will work an average of 34.9 hours per week over the course of a year.
With four weeks vacation, 34.2 hours per week.

(3) Target goal for sick leave incentive program is 47 hours per employee per year.



ODOR REPORT November 2012

During the recording period from November 01, 2012 through November 30, 2012, there was one odor related service request received by the District.

City: Fremont

1. Complaint Details:

Date: 11/14/2012

Location: 43430 MISSION BL

Wind (from): North West

Temperature: 60 Degrees F

Time: 2:45 pm

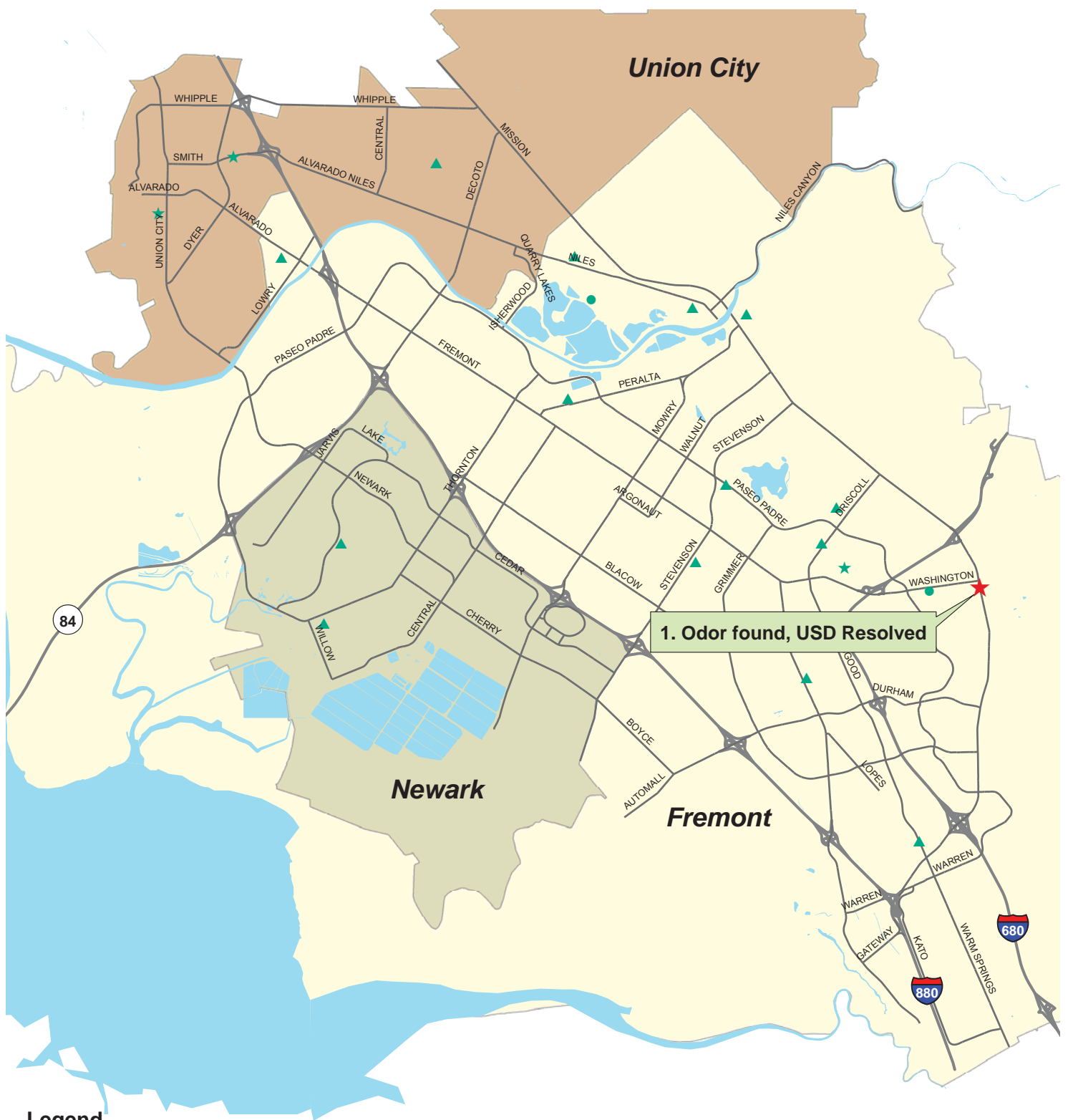
Reported By: Louis Heystek

Wind Speed: 10 mph

Weather: Clear

Response and Follow-up:

We checked the manholes on the property and found odors coming from them. We checked the upstream manhole and found a stoppage in our main. We called the hydro crew to clear the stoppage and we relayed our findings to the complainant. The hydro crew cleared the grease stoppage and cleaned the main.



Legend

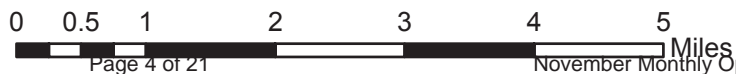
Odor Complaints: November 2012

- ★ Odor found, USD resolved (1)
- Odor found, not related to USD (0)
- ▲ No odor found (0)

Odor Complaints: Dec. 2011 - Oct. 2012

- ★ Odor found, USD resolved (3)
- Odor found, not related to USD (2)
- ▲ No odor found (14)

Location of Odor Reports December 2011 to November 2012

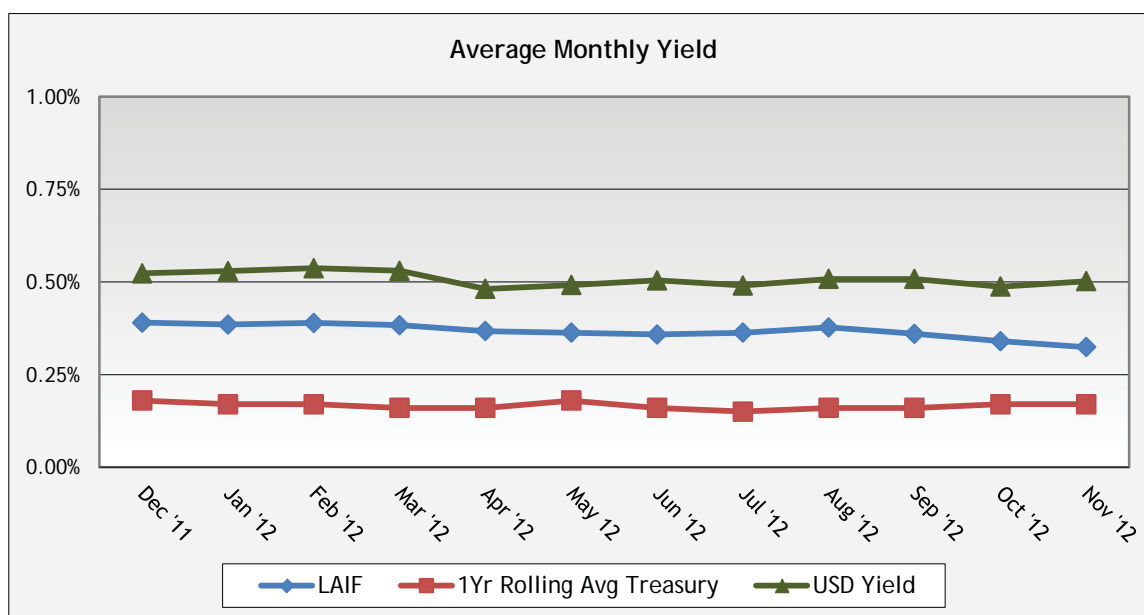


Business Services Group Activities Report November 2012

- The Quality Coordinator attended the WEFTEC Annual Conference; made a presentation on Employee Engagement and acted as a session Moderator.
- The Quality Coordinator attended a workshop as part of the Adapting to Rising Tides Regional Workgroup
- With the Human Resource Administrator and TPO day coach, the Quality Coordinator
 - Presented information on the second session of Leadership School to interested employees
 - Planned the Leadership School Graduation
 - Presented information on the Leadership School to members of BAYWORK
- The Quality Coordinator facilitated a problem-solving session with the SCADA Taskforce
- The Quality Coordinator worked with the CWEA Board to plan a leadership retreat in January 2013
- The Quality Coordinator met with new employees and their Coaches to review the District's team-based structure
- Sr. IT Analyst helped ACWD with their test for the Network Tech opening.
- The Sr. Database Administrator/Developer passed his 6 month probation period.
- The Sr. Network Administrator was certified in Security +.
- The Accounting Technical Specialists and Business Services Coach completed demonstrations of the Employee Self Service module of Optimum at team meetings throughout the District.
- THE Human Resources Administrator worked with the General Manager, executive search firm consultant, and Board of Directors on the Deputy General Manager recruitment.
- The Human Resources Administrator participated in negotiations.
- The Human Resources Administrator conducted an information session for Collection Services on the role of Human Resources in investigations.
- The Human Resources Administrator worked with the Technical Training Coordinator to develop the Ethics course to be given to all District employees.
- The Human Resources Administrator conducted the final session of Harassment-free Workplace training for all District employees.

Performance Measures

AVERAGE MONTHLY YIELD



Year-to-date as of 11/30/12

42% of year elapsed

**Audited
Last Year
Actuals 6/30/12**

REVENUES

	Budget	Actual	% of Budget Rec'd	
Capacity Fees	\$1,750,000	\$1,142,748	65%	\$2,848,488
Sewer Service Charges	42,387,000	569,035	1%	40,630,578
ECB Revenues	725,000	239,269	33%	830,990
Interest	700,000	324,436	46%	631,940
Misc. (incl. annual LAVWMA payment)	295,000	182,873	62%	196,367
Subtotal Revenues	\$45,857,000	\$2,458,361	5%	\$45,138,363
SRF Loan Proceeds (Boyce, Prim Clarif, Subst 1)	5,200,000	2,777,402	53%	10,755,247
Total Revenues + SRF Proceeds	\$51,057,000	\$5,235,763	10%	\$55,893,610

EXPENSES

	Budget	Actual	% of Budget Used	Last Year Actuals
Capital Improvement Program:				
Capacity Projects	\$2,565,000	\$823,894	32%	\$3,032,556
Renewal & Repl. Projects	11,048,000	4,687,183	42%	15,580,736
Expenditure Control Budget (ECB)	30,279,646	11,488,894	38%	28,332,356
Non-ECB	892,600	265,461	30%	653,213
Retiree Medical (ARC* + balance transfers)	448,284	172,731	39%	369,269
Vehicle & Equipment	1,279,000	574,905	45%	301,390
Information Systems	1,008,000	202,895	20%	434,297
Plant & Pump Station R&R	250,000	0	0%	189,272
Pretreatment Fund	7,000	2,001	29%	9,530
County Fee for SSC Admin.	105,000	0	0%	104,948
Debt Servicing:				
State Revolving Fund Loans	4,105,419	1,156,182	28%	3,929,320
Union City Use Permit	0	0	0%	500,000
Total Expenses	\$51,987,949	\$19,374,146	37%	\$53,436,888
Total Revenue & Proceeds less Expenses	(\$930,949)	(\$14,138,383)		\$2,456,722

Gross ECB Expenses by Work Group

	Budget	Actual	% of Budget Used	Last Year Actuals
Board of Directors	\$187,300	\$55,917	30%	\$153,717
General Manager/Admin.	904,500	334,742	37%	848,498
Business Services	4,306,237	1,659,174	39%	4,002,736
Collection Services	5,321,029	1,962,066	37%	4,798,992
Tech Support & Cust. Services	5,005,136	1,917,883	38%	4,708,242
Treatment & Disposal Services	9,349,644	3,686,081	39%	8,974,904
Fabrication, Maint. & Construction	5,205,800	1,873,030	36%	4,845,266
Total	\$30,279,646	\$11,488,894	38%	\$28,332,356

ECB Expenses by Type

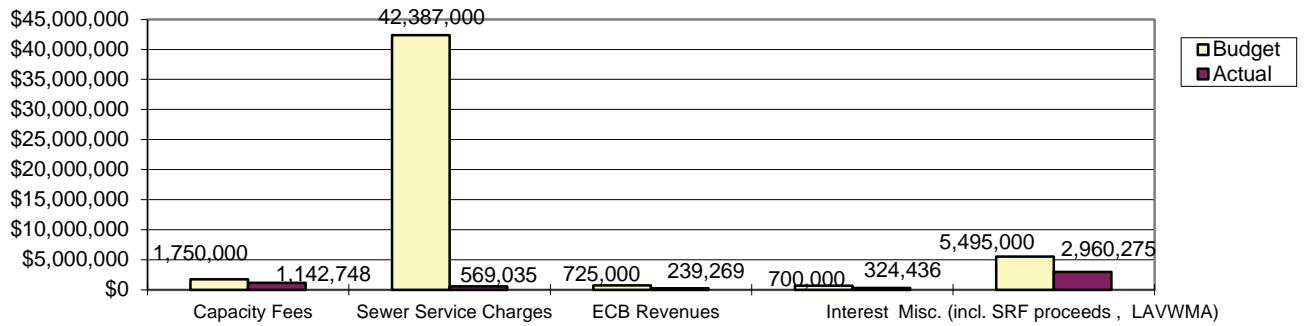
	Budget	Actual	% of Budget Used	Last Year Actuals
Personnel (incl D&E)	\$20,483,861	\$7,861,295	38% (42%)**	\$18,900,153
Repairs & Maintenance	2,024,837	643,704	32%	1,960,647
Operating Supplies & Matls	2,396,233	870,527	36%	2,215,039
Outside Services	5,247,715	2,097,101	40%	5,215,149
Fixed Assets	127,000	16,267	13%	41,367
Total	\$30,279,646	\$11,488,894	38%	\$28,332,356

Some totals are on a cash basis, except for June YTD which is all on a full accrual basis, and consistent with Generally Accepted Accounting Principles (GAAP).

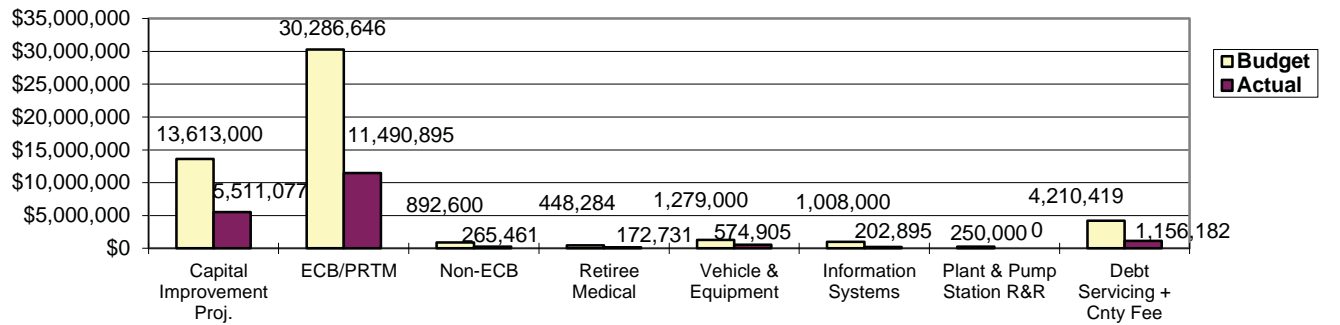
*ARC = Annual Required Contribution

** Personnel Budget Target

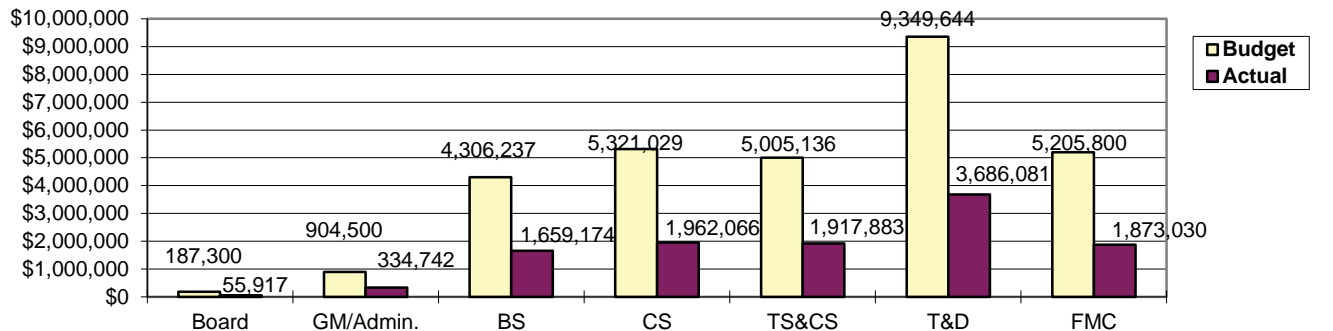
USD Revenues



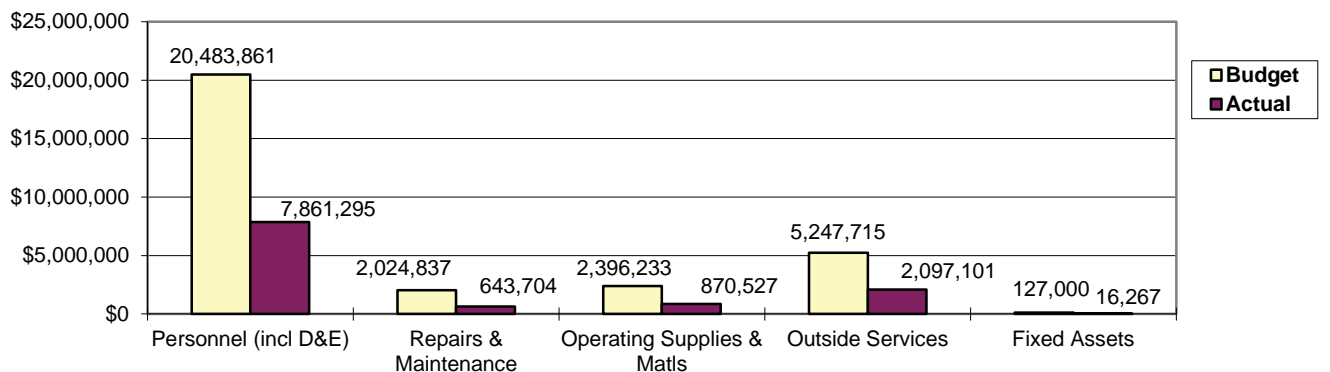
Total USD Expenses



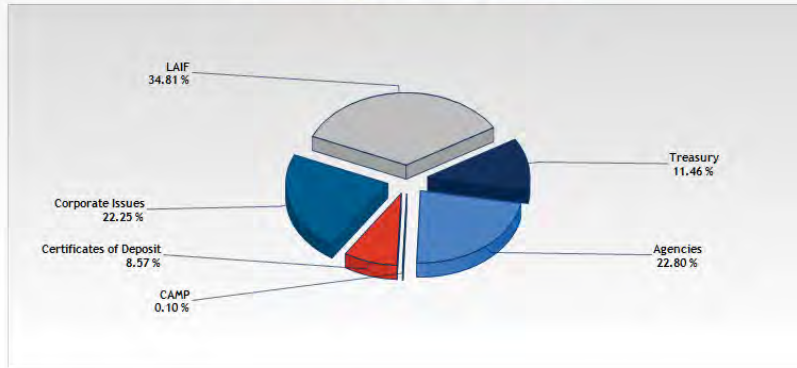
ECB Expenses by Work Group



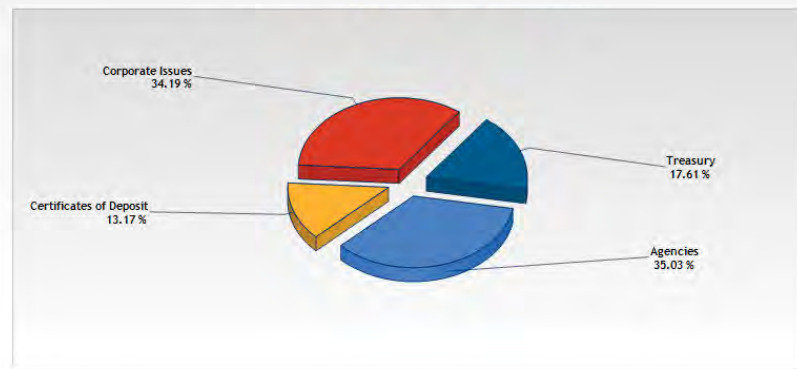
ECB Expenses by Type



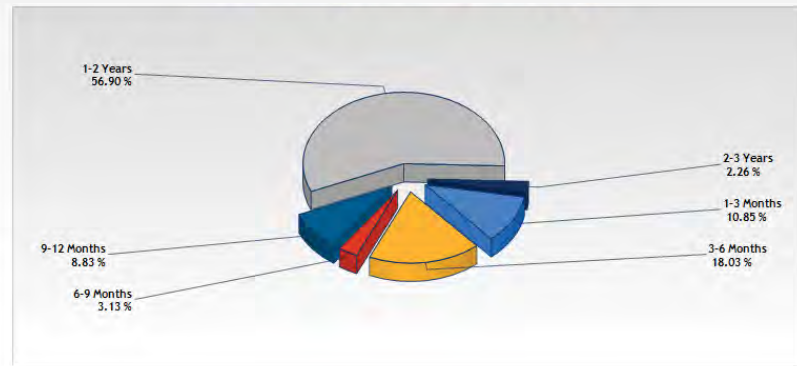
All Portfolio Holdings Distribution by Asset Class



Operating Fund Holdings by Asset Class



Operating Fund Maturity Distribution



Maturity Range	Face Amount/Shares	YTM @ Cost	Cost Value	Days To Maturity	% of Portfolio	Market Value	Book Value	Duration To Maturity
1-3 Months	2,395,000.00	0.832	2,480,182.90	67	10.85	2,408,965.40	2,408,043.58	0.18
3-6 Months	3,985,000.00	0.898	4,121,896.45	128	18.03	4,031,702.55	4,025,034.28	0.35
6-9 Months	705,000.00	0.418	714,778.35	255	3.13	709,575.45	709,695.82	0.70
9-12 Months	2,020,000.00	0.491	2,020,000.00	343	8.83	2,021,494.80	2,020,000.00	0.00
1-2 Years	12,900,000.00	0.468	13,010,949.64	577	56.90	13,000,800.41	12,973,062.17	1.57
2-3 Years	500,000.00	0.980	517,745.00	942	2.26	517,500.00	517,745.00	2.50
Total / Average	22,505,000.00	0.597	22,865,552.34	418	100	22,690,038.61	22,653,580.85	1.06

Union Sanitary District
Board Report - Holdings
 Report Format: By Transaction
 Group By: Asset Class
Portfolio/Report Group: All Portfolios
As of 11/30/2012

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Agencies											
FHLB 0.4 6/27/2014	313379N47	Moody's-Aaa	6/6/2012	2,000,000.00	1,999,980.00	0.400	2,003,520.00	0.401		6/27/2014	5.69
FHLB 2.375 3/14/2014	3133XWKV0	Moody's-Aaa	3/21/2012	2,000,000.00	2,075,820.00	2.375	2,054,200.00	0.450		3/14/2014	5.91
FNMA 0.5 10/30/2014-13	3135G0KL6	Moody's-Aaa	5/25/2012	2,000,000.00	2,000,000.00	0.500	2,001,080.00	0.500	4/30/2013	10/30/2014	5.69
FNMA 0.625 12/6/2013-12	3135G0GF4	Moody's-Aaa	12/6/2011	1,000,000.00	999,750.00	0.625	1,000,000.00	0.638	12/6/2012	12/6/2013	2.85
FNMA 1 5/16/2014-11	31398A6A5	Moody's-Aaa	3/21/2012	925,000.00	934,795.64	1.000	935,924.25	0.505		5/16/2014	2.66
Sub Total / Average				7,925,000.00	8,010,345.64	1.035	7,994,724.25	0.480			22.80
CAMP											
CAMP LGIP	LGIP4000	None	5/31/2011	33,615.53	33,615.53	0.220	33,615.53	0.220	N/A	N/A	0.10
Sub Total / Average				33,615.53	33,615.53	0.220	33,615.53	0.220			0.10
Certificates of Deposit											
Ally Bank 0.75 5/16/2014	02005QF24	None	5/16/2012	245,000.00	245,000.00	0.750	245,831.92	0.750		5/16/2014	0.70
Apple Bank 0.55 6/6/2014	037830LH7	None	6/6/2012	250,000.00	250,000.00	0.550	250,210.10	0.550		6/6/2014	0.71
Goldman Sachs Bank 0.75 11/14/2014	38143AU78	None	11/30/2012	240,000.00	240,000.00	0.750	241,767.07	0.750		11/14/2014	0.68
Royal Bank of Canada 2.25 3/15/2013	78009JVK8	Moody's-AA1	12/2/2011	2,000,000.00	2,036,740.00	2.250	2,010,420.00	0.811		3/15/2013	5.80
Sallie Mae Bank 0.75 11/14/2014	795450QK4	None	11/30/2012	240,000.00	240,000.00	0.750	241,767.07	0.750		11/14/2014	0.68
Sub Total / Average				2,975,000.00	3,011,740.00	1.748	2,989,996.16	0.775			8.57

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Corporate Issues											
Berkshire Hathaway 2.125 2/11/2013-10	084670AU2	Moodys-AA2	12/23/2011	895,000.00	912,022.90	2.125	898,150.40	0.441		2/11/2013	2.60
General Electric Cap Corp 2.375 6/30/2015	36962G5F7	Moodys-A1	11/30/2012	500,000.00	517,745.00	2.375	517,500.00	0.980		6/30/2015	1.47
General Electric Capital 4.8 5/1/2013	36962G3T9	Moodys-A1	12/22/2011	1,500,000.00	1,574,175.00	4.800	1,527,150.00	1.121		5/1/2013	4.48
General Electric Capital 5 2/1/2013	369604AY9	Moodys-AA3	12/2/2011	1,500,000.00	1,568,160.00	5.000	1,510,815.00	1.060		2/1/2013	4.46
Principal Life 5.3 4/24/2013	74254PYE6	Moodys-AA3	3/5/2012	485,000.00	510,981.45	5.300	494,132.55	0.562		4/24/2013	1.45
Principal Life Income Fund Var. Corp 11/8/2013	74254PPF3	Moodys-AA3	5/21/2012	2,020,000.00	2,020,000.00	0.491	2,021,494.80	0.491		11/8/2013	5.75
Toyota Motor Credit 1.375 8/12/2013	89233P4H6	Moodys-AA3	2/28/2012	705,000.00	714,778.35	1.375	709,575.45	0.418		8/12/2013	2.03
Sub Total / Average				7,605,000.00	7,817,862.70	2.974	7,678,818.20	0.756			22.25
LAIF											
LAIF LGIP	LGIP1002	None	4/30/2011	12,229,936.88	12,229,936.88	0.324	12,229,936.88	0.324	N/A	N/A	34.81
Sub Total / Average				12,229,936.88	12,229,936.88	0.324	12,229,936.88	0.324			34.81
Treasury											
T-Note 0.375 11/15/2014	912828RQ5	Moodys-Aaa	5/25/2012	2,000,000.00	2,000,624.00	0.375	2,004,460.00	0.362		11/15/2014	5.70
T-Note 1 5/15/2014	912828QM5	Moodys-Aaa	3/21/2012	2,000,000.00	2,024,980.00	1.000	2,022,040.00	0.416		5/15/2014	5.76
Sub Total / Average				4,000,000.00	4,025,604.00	0.689	4,026,500.00	0.389			11.46
Total / Average				34,768,552.41	35,129,104.75	1.240	34,953,591.02	0.502			100

All investment actions executed since the last report have been made in full compliance with the District's Investment Policy. The District will meet its expenditures obligations for the next six months. Market value sources are the LAIF, CAMP, and BNY Mellon monthly statements.

Union Sanitary District
Board Report - Activity
Portfolio/Report Group: All Portfolios
From 11/1/2012 To 11/30/2012

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
BUY								
General Electric Cap Corp 2.375 6/30/2015	36962G5F7	500,000.00	517,745.00	4,947.92	2.375	0.980	11/30/2012	522,692.92
Goldman Sachs Bank 0.75 11/14/2014	38143AU78	240,000.00	240,000.00	78.90	0.750	0.750	11/30/2012	240,078.90
Sallie Mae Bank 0.75 11/14/2014	795450QK4	240,000.00	240,000.00	78.90	0.750	0.750	11/30/2012	240,078.90
Sub Total / Average		980,000.00	997,745.00	5,105.72				1,002,850.72
DEPOSIT								
CAMP LGIP	LGIP4000	6.04	6.04	0.00		0.000	11/30/2012	6.04
Sub Total / Average		6.04	6.04	0.00				6.04
INTEREST								
Ally Bank 0.75 5/16/2014	02005QF24	0.00	0.00	926.30	0.750	0.000	11/16/2012	926.30
CAMP LGIP	LGIP4000	0.00	0.00	6.04		0.000	11/30/2012	6.04
FNMA 1 5/16/2014-11	31398A6A5	0.00	0.00	4,625.00	1.000	0.000	11/16/2012	4,625.00
General Electric Capital 4.8 5/1/2013	36962G3T9	0.00	0.00	36,000.00	4.800	0.000	11/1/2012	36,000.00
Principal Life Income Fund Var. Corp 11/8/2013	74254PPF3	0.00	0.00	3,194.63		0.000	11/8/2012	3,194.63
T-Note 0.375 11/15/2014	912828RQ5	0.00	0.00	3,750.00	0.375	0.000	11/15/2012	3,750.00
T-Note 1 5/15/2014	912828QM5	0.00	0.00	10,000.00	1.000	0.000	11/15/2012	10,000.00
Sub Total / Average		0.00	0.00	58,501.97				58,501.97
WITHDRAW								
LAIF LGIP	LGIP1002	900,000.00	900,000.00	0.00		0.000	11/2/2012	900,000.00
LAIF LGIP	LGIP1002	800,000.00	800,000.00	0.00		0.000	11/8/2012	800,000.00
LAIF LGIP	LGIP1002	300,000.00	300,000.00	0.00		0.000	11/9/2012	300,000.00
LAIF LGIP	LGIP1002	600,000.00	600,000.00	0.00		0.000	11/16/2012	600,000.00
LAIF LGIP	LGIP1002	400,000.00	400,000.00	0.00		0.000	11/21/2012	400,000.00
LAIF LGIP	LGIP1002	1,500,000.00	1,500,000.00	0.00		0.000	11/30/2012	1,500,000.00

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
Sub Total / Average		4,500,000.00	4,500,000.00	0.00				4,500,000.00

COLLECTION SERVICES ACTIVITIES REPORT October and November 2012

Progress/Accomplishments

- Completed 61,511 feet of cleaning and 59,806 feet of televising of sewer lines in October
- Completed 104,821 feet of cleaning and 53,328 feet of televising of sewer lines in November
- Responded to 22 service request calls in October and 25 service request calls in November
- Completed a total of 4 main repairs in October and a total of 34 main repairs in November
- Marked and located all sewer lines (Underground Service Alerts)
- Provided support on the following projects: Asset Hierarchy, Asset Management, Boyce Pump Station, I-680 Crossing, Newark Basin Master Plan Update, Hansen 8, and Plant Shut Downs
- Participated in negotiations
- Participated in a CASSE benchmarking meeting
- Hired 2 new Collection System Workers
- Trained the pool of back-up Planner/Schedulers
- Worked with IT to resolve Hansen/ Flexidata issues
- Conducted additional training on Communication and Conflict Resolution
- Attended ABAGs Sewer Smart Summit

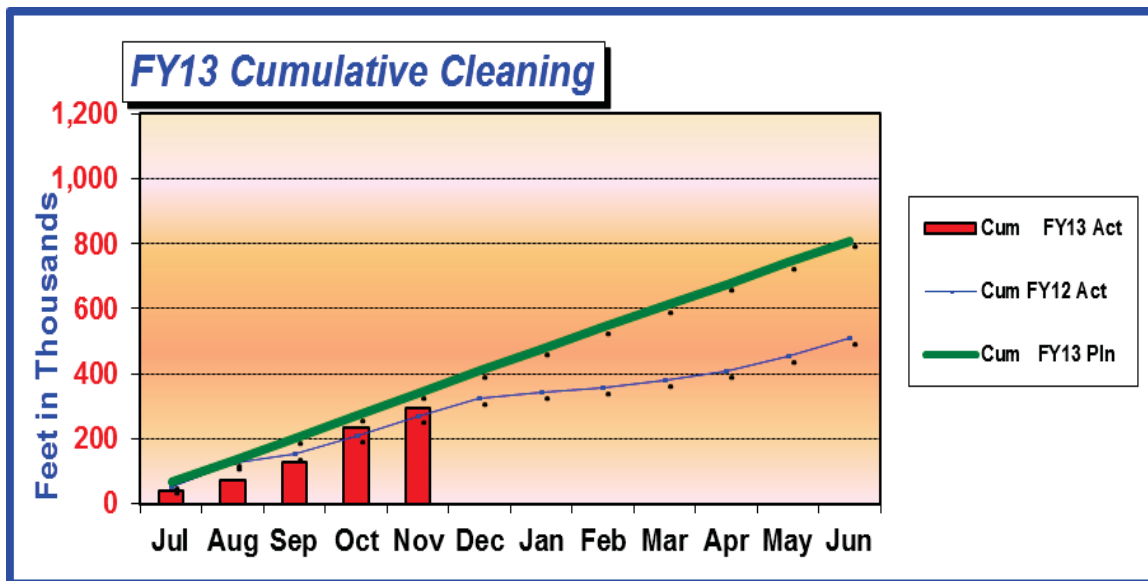
Training for Collections included;

District Policy 5320 Drug & Alcohol Testing Program, Communications and conflict Resolution, CWEA Northern Safety Day in Woodland 12 employees attended, Ergonomics, Tailgate topics included; Working around an open trunk line manhole, Traffic control, PPE use, Wet weather safety, Televising trunk lines while using the top of pipe cleaner, and Safety Star Points shared and discussed topics from Safety meeting.

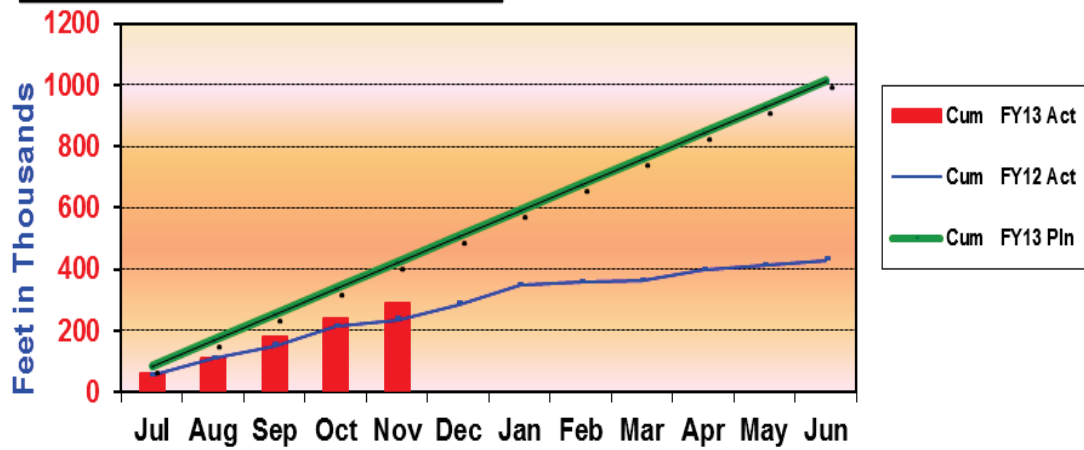
Future Planning

- Continue developing the By-Pass Training Module
- Conclude 72 Month Pilot to TV before cleaning in Section A
- Recruit a new Maintenance Assistant

Performance Measures

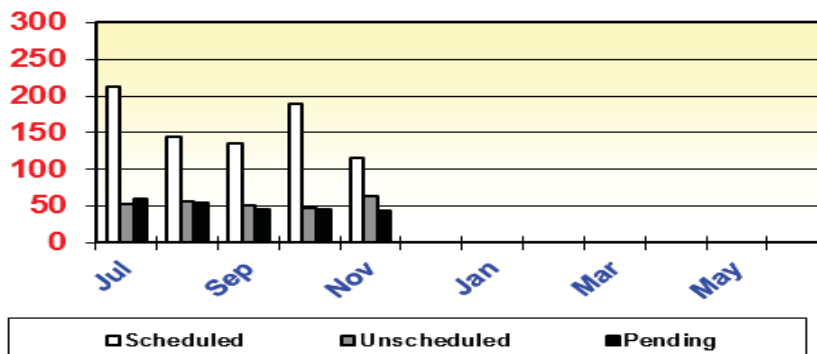


FY13 Cumulative Televising



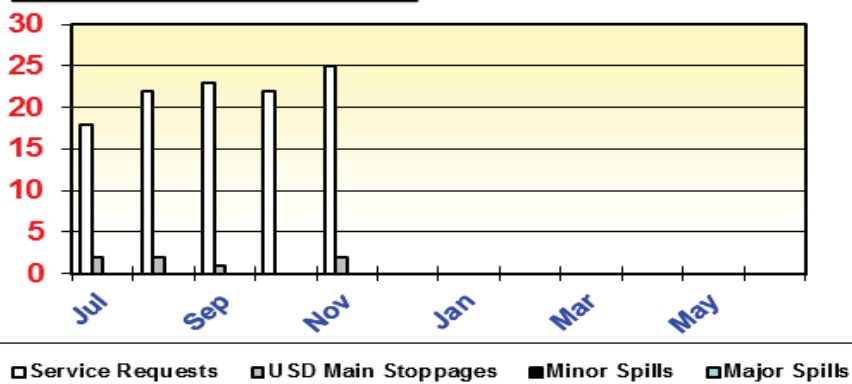
Other Collection Services Status Data:
Support Team Work Order Status:

FY13 WORK ORDERS COMPLETED



C/S Maintenance Status:

FY13 STOPPAGES AND OVERFLOWS



**T&D/FMC
Activities Report
November 2012**

Progress/Accomplishments

- Maintained 100% compliance with NPDES permits.
- Completed 95% preventive maintenance activities for the month of November.
- Completed 53 corrective maintenance work orders for the month of November.
- Overhauled WAS pump #1.
- Installed rebuilt RAS pump.
- Repaired digester gas booster compressor #1.
- The treatment plant NPDES compliance inspection was conducted by USEPA on November 9, 2012. No major deficiencies were identified.
- Coordinated the second sampling event for the Hayward Marsh ammonia removal pilot study.
- Drafted the Union City annual report for FY12 and the board information item.

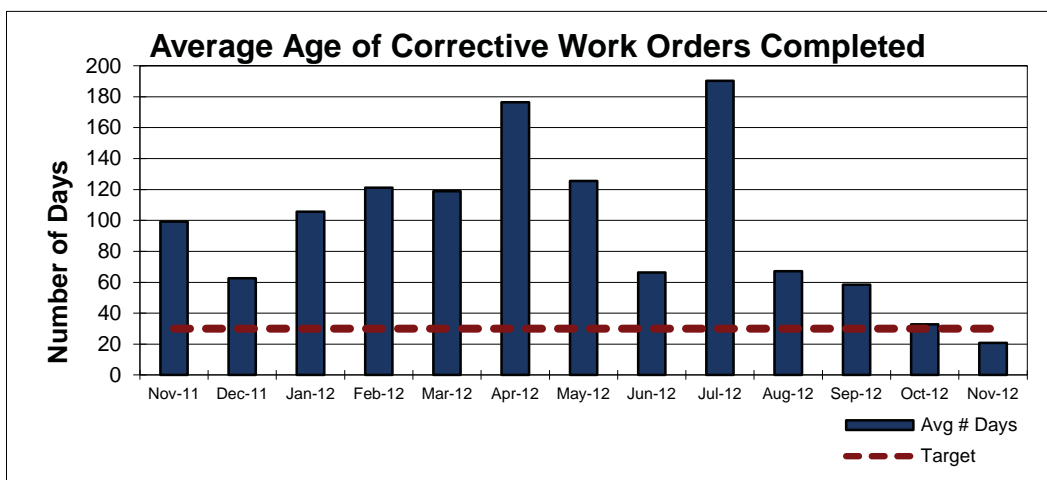
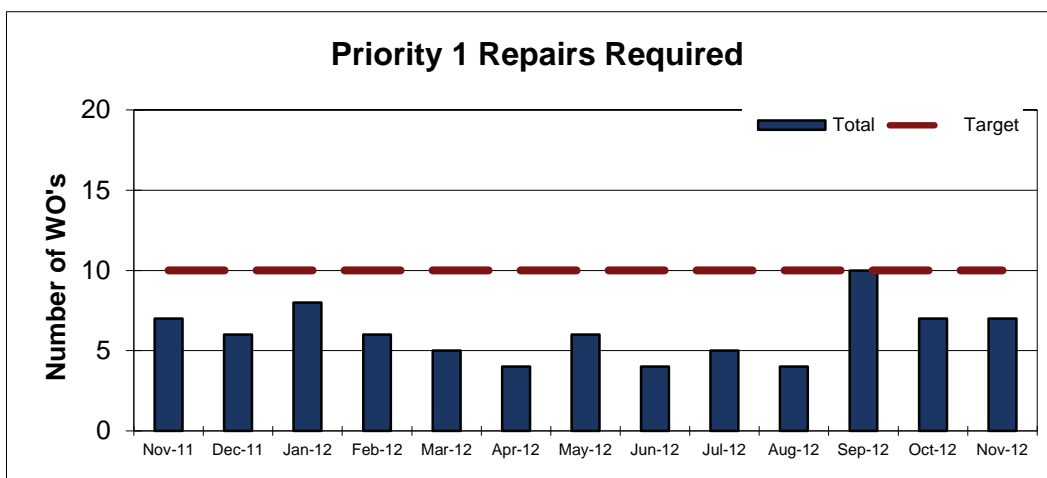
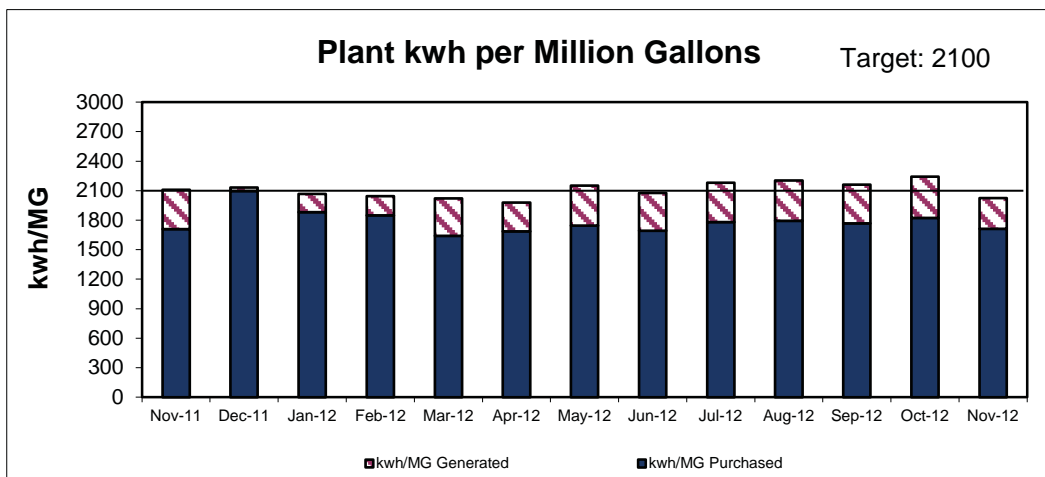
Future Planning

- Install and align aeration blower #10 motor.
- Install digester #4 TPS valve actuator.
- Refurbish #16 scrubber fan.
- Transmit Annual Union City report to Union City.
- Provide information for the USEPA Energy audit for the treatment facility.
- Provide a tour of the Hayward Marsh for new Regional Water Board staff.
- Coordinate wet season sampling event pursuant to the Regional Board 13267 for nutrient data.

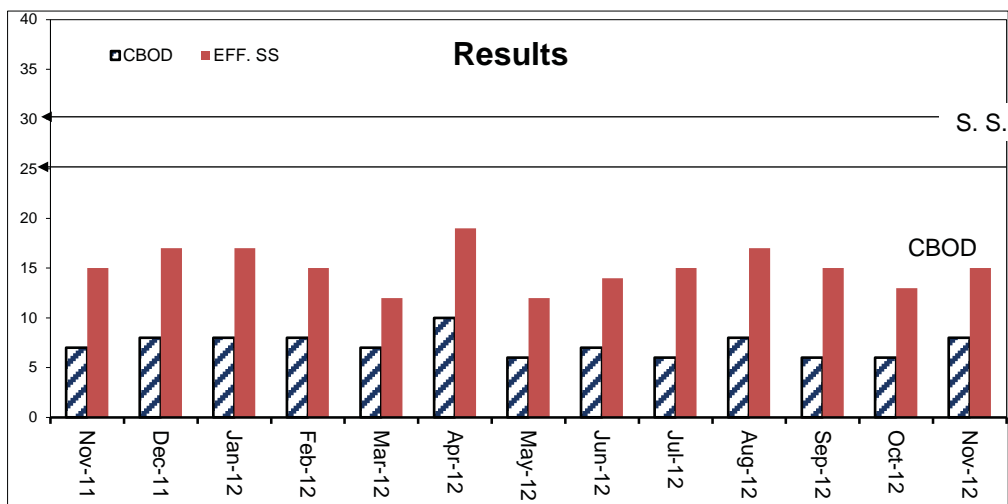
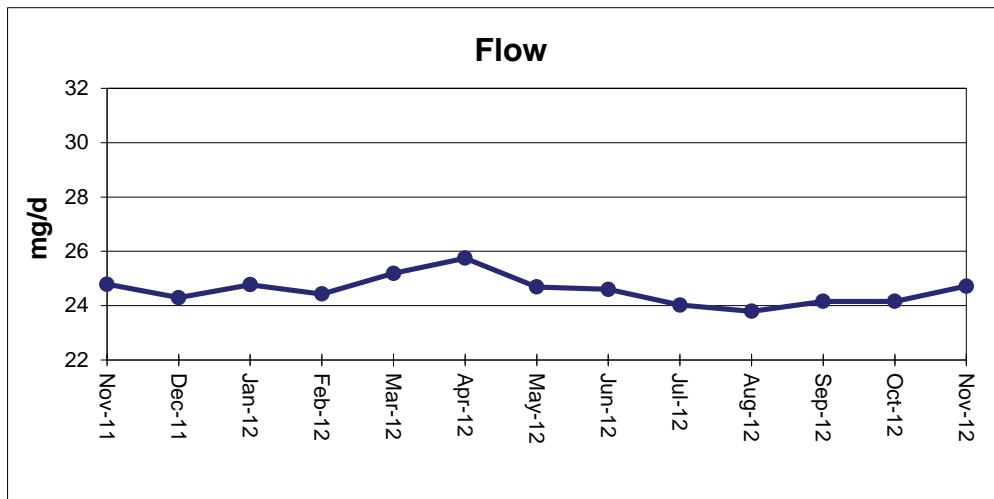
Other

- Co-gen system produced 15.4% of power consumed for the month of November.

Performance Measurements



Operational/NPDES Performance



<u>Parameter</u>	<u>Monthly Average</u>	<u>NPDES Permit Limits</u>
SS	15	30 mg/l
BOD	8	25 mg/l
F. Coliform	18 - 90 60 - 165	500, 5-Day Log Mean 1100, 90th Percentile
Copper	5.70	78 µg/l
Nickel	3.80	79 µg/l
Mercury	0.006	0.066 µg/l
Cyanide	< 4.70	42 µg/l

<p align="center">MONTHLY OPERATIONS REPORT FOR THE MONTH OF NOVEMBER 2012 TECHNICAL SUPPORT AND CUSTOMER SERVICE WORK GROUP SUMMARY</p>

Capital Improvement Program

Boyce Road Lift Station – Installation of electrical ductbanks and roofing material for above grade structure have been completed. Paintings and coatings for above grade structure has commenced.

Misc. SS Spot Repairs Phase IV – Field work is in progress. Four (4) sites are complete. Three (3) sites are in progress. Seven (7) sites are yet to be started.

Primary Clarifier Rehabilitation Project –Testing of new ventilation systems commenced.

Thickener Nos. 3 and 4 Rehabilitation Project – Demolition inside of Thickener No 3 commenced.

PLC Replacement Project – Completed the replacement of RIO 15 at the degritter building. This completed all contract work (minus punch list items) for the contract.

INKA Demolition Project – Demolition of blower building and chlorine contact tank has been completed. Demolition of INKA structure has commenced.

Customer Service

Trouble Calls dispatched from the Front Desk during business hours:

Fremont	Newark	Union City	Total
15	4	1	20

Environmental Compliance

Pollution Prevention Program

# of Dental Inspections	# of School Outreach Events including Sewer Science	# of Plant Tours
1	8	1 (California School for the Deaf)

Pollution and Prevention

Business Inspected			Illicit Discharge Complaints	Enforcement Actions		
UR	FOG	Total		Type	UR	FOG
58	39	97	1	Verbal Warning	8	17
				Notice of Deficiency		
				Warning Letter		
				Notices of Violation	8	
				Admin Fine	3	
				Legal Action		

Urban Runoff (UR) Fats, Oils and Grease (FOG)

Industrial

Reports (Annual & Semi-Annual Pretreatment Report, Union City Report, etc.)

Report Name	Date Report Completed and Submitted
None	

Pending Permits

New Industrial/Groundwater Permits	Groundwater/Temporary
None	None

Permits Issued

Company Name	Date Permit Issued
None	

Industrial Closures

Company Name	Date of Closure
None	

Enforcement Action

Violation	IU Name & Nature of Business	City (F, N, UC)	Parameters violated	Discharge conc. or mass	USD/Fed Limit violated	Comments
None						

(1) Warning Letter (WL), Notice of Violation (NOV), Administrative Order (AO), Cease & Desist Order (C&D), Significant Non Compliance (SNC), (EM) Enforcement Meeting

(2) Fremont (F) Newark (N) Union City (UC)

Other - Team training, Special Meetings, Conferences, Special Recognition, IAC (topics)

Activity	Date of Event	Attendees
Countywide Stormwater Inspector Training	November 15, 2012	All EC Inspectors
CASQA Annual Conference	November 5-7, 2012	Jason Yeates

Engineering/Construction

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for Nov 2012 Activity
1.	Boyce Road Lift Station – Curtis/Raymond	\$4,591	4/13	78%	80%	Roofing material installed. Paintings and coatings commenced.
2.	Cathodic Protection Improvements – Chris P.	\$236	8/12	99%	100%	Contractor worked on punch list items.

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for Nov 2012 Activity
3.	Force Main Improvements Phase 2 - Todd	\$916	11/12	100%	100%	Notice of Completion filed. Retention release scheduled for January 2013.
4.	Headworks Improvements Project - Todd	\$1,739	11/13	0%	0%	Notice of Award issued to APEC. Notice to Proceed scheduled for 12/4/112.
5.	Misc. SS Spot Repairs Phase IV – Chris E.	\$550	2/13	29%	92%	Field work is in progress.
6.	Mission Blvd. @ I-680 (Southern Interchange) SS Relocation – Chris E.	\$1,304	8/12	98%	100%	Administrative closeout is still in progress. Retention being partially withheld.
7.	PLC Replacement Phase 1 – Chris P.	\$540	12/12	92%	92%	Completed replacement of RIO 15.
8.	Primary Clarifier Rehabilitation – Ric	\$7,487	01/13	99%	94%	Testing of new ventilation systems commenced.
9.	Thickener Nos. 3 and 4 Rehabilitation - Ric	\$1,489	4/13	62%	69%	Demolition inside of Thickener No 3 commenced.
10.	Primary Digester No. 4 Rehabilitation –Chris P.	\$113	9/12	100%	100%	Determined fix for traction issue on top of dome.
11.	INKA Demolition Project – Curtis/Raymond	\$860	12/12	49%	89%	Completed demolition of blower building & chlorine contact tank.

Design/Study

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for Nov 2012 Activity
1.	Cast Iron Lining Phase IV – Chris E.	In-house	4/12	100%	100%	2 proposals on Nov. 20 th . Award on Jan 14 th Board meeting.
2.	Cogeneration Project – Raymond	\$1,162	3/13	70%	70%	Pre-negotiations for engine generator system continued. 90% design submittal due December 17 th .
3.	Flow Equalization Study Update - Sami G.	\$183	12/12	75%	95%	Draft Final Report expected in early Jan
4.	I-680 @ Sabercat Rd. SS Relocation – Chris E.	\$180	1/13	85%	92%	90% design submittal is in progress by West Yost.
5.	RAS Pump Station Piping Improvements - Todd	\$71	11/12	99%	100%	B&C packaging bid sets. Project to be advertised in December 2012.
6.	Local Limits and Wastewater Treatability Study - Ric	\$107	12/12	50%	80%	Industry survey ongoing, sampling ongoing.

	<i>Design/Study Projects</i>	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for Nov 2012 Activity
7.	Thickener Control Building Interim Improvements Project - Ric	\$83	12/12	95%	95%	100% design submittal received 11/29/12.
8.	MCC Replacement Project – Phase 2 Chris P.	\$69	2/13	50%	65%	Had 50% design meeting with TPO and FMC staff.
9.	Internal Lift Station No. 1 Rehabilitation Project – Chris P.	N/A	5/13	0%	0%	Negotiated task order with Carollo for design work.
10.	Thickener Control Building Improvements Project - Ric	\$706	6/13	20%	20%	Preliminary layouts in development.

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Richard B. Currie
*General Manager/
District Engineer*

David M. O'Hara
Attorney

DATE: December 27, 2012

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer
Judi Berzon, Human Resources Administrator

SUBJECT: Agenda Item No. 8 - Meeting of January 14, 2013
Action Item: **APPROVING REVISED POLICY NO. 5334, EQUAL
EMPLOYMENT OPPORTUNITY**

Recommendation

Review and approve Equal Employment Opportunity Policy Number 5334.

Background

The policy is reviewed every five years. This year it is being submitted to the Board of Directors for approval because some changes to the policy are proposed.

In the policy statement we say that the District will "provide equal opportunity for all persons in all protected categories as defined by state or federal law." Further, in the Definitions section, examples of "Protected categories/Status" are provided. The Definitions section should be updated to include several types of protected status that are not included in the current policy and expression have been added under state and federal law: (1) gender expression and gender identity, (2) individual's expressing opposition to unlawful harassment, (3) association with a person that has any of the protected characteristics, and (4) perception that a person has any of the protected characteristics.

Staff recommends approval of the proposed changes in order to be consistent with current law.

Attachments:

- Equal Employment Opportunity Policy Number 5334 with suggested revisions
- Equal Employment Opportunity Policy Number 5334 revised copy

Union Sanitary District
Policy and Procedure Manual

	Equal Employment Opportunity	Policy Number 5334
Effective: 10/07 <u>1/13</u>		Page 1 of 2

Policy

Union Sanitary District will provide equal opportunity for all persons in all protected categories as defined by state or federal law. Consistent with this policy, the District is committed to recruit, hire, train, and promote the most qualified applicants or employees and carry out all other employment actions without regard to their protected status as defined by the State or Federal law.

All personnel decisions, including those related to compensation; benefits; transfers; discharges; layoffs; and all other terms, conditions, and privileges of employment will be administered without regard to their protected status as defined by state or federal law. This policy prohibits treating individuals differently because of the individual's protected classification as defined in this policy.

Definition

Protected Categories/Status: _____ State or federal law protects individuals ~~people~~ based on race, religion, color, sex (including gender and pregnancy), gender expression and gender identity, sexual orientation, national origin, ancestry, citizenship status, uniformed service member status, marital status, age, medical condition, genetic information, ~~and~~ physical or mental disability, opposition to unlawful harassment, association with a person that has any of the protected characteristics, and perception that a person has any of the protected characteristics.

Procedure

Reporting: If any employee believes that equal employment opportunity has not been afforded him/her consistent with this policy, the employee shall immediately inform ~~verbally or in writing~~ his/her Coach, or alternatively, the Human Resources Administrator, verbally or in writing. The Human Resources Administrator will receive the verbal or written report of any applicant for employment who believes that equal employment opportunity has not been provided.

Investigation: Union Sanitary District will investigate any such report and will take corrective action as deemed necessary.

Management Responsibility

Management will implement, maintain, and enforce this policy, as well as make employment decisions consistent with this policy.

Employee Responsibility

Employees are responsible for complying with this policy.

| Supersedes Policy Dated: 03/22/99, [10/07](#)

Approved by: Board of Directors
Author/Owner: Human Resources Administrator
Reviewers: Executive team
Notify Person: Human Resources Administrator
Review Frequency: 5 years
| Next review Date: ~~10/2012~~ [11/18](#)

Union Sanitary District
Policy and Procedure Manual

	Equal Employment Opportunity	Policy Number 5334
Effective: 1/13		Page 1 of 2

Policy

Union Sanitary District will provide equal opportunity for all persons in all protected categories as defined by state or federal law. Consistent with this policy, the District is committed to recruit, hire, train, and promote the most qualified applicants or employees and carry out all other employment actions without regard to their protected status as defined by the State or Federal law.

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Management will implement, maintain, and enforce this policy, as well as make employment decisions consistent with this policy.

Employee Responsibility

Employees are responsible for complying with this policy.

Supersedes Policy Dated: 03/22/99, 10/07

Approved by:	Board of Directors
Author/Owner:	Human Resources Administrator
Reviewers:	Executive team
Notify Person:	Human Resources Administrator
Review Frequency:	5 years
Next review Date:	1/18



Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Richard B. Currie
General Manager
District Engineer

David M. O'Hara
Attorney

DATE: January 9, 2013

MEMO TO: Board of Directors – Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer
Rich Cortes, Business Services Manager
Maria Scott, Principal Financial Analyst

SUBJECT: Agenda Item No.9 – Meeting of January 14, 2013
APPROVING REVISED POLICY NO. 5340, GRATUITIES

Recommendation:

Approve Gratuities Policy.

Background:

The Gratuities Policy provides guidelines to staff how to treat gifts from outside sources. Staff has reviewed the existing policy and recommends no changes. Attached is the policy with updated review dates.

Union Sanitary District
Policy and Procedure Manual

Effective: 1/13	Gratuities	Policy Number 5340 Page 1 of 2
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Policy

To protect the reputation of the District, its employees, and the Board of Directors, gratuities may not be accepted by, or for, any employee of the District from anyone the District does or may do business with.

The Board of Directors and designated management and unclassified employees are subject to the “Conflict of Interest Code” of Union Sanitary District.

Purpose

Union Sanitary District employees hold positions of trust in the community. It is important that this trust not be jeopardized in such a way as to cast doubt on the integrity of the District.

Definitions

Anyone the District does business with Developers, contractors, consultants, vendors, service representatives, or others doing business or seeking to do business with the District

Gratuity A gift of alcoholic beverages, tickets to events, travel, or other gifts in excess of \$50.

Items Exempt Items such as notepads, blotters, calendars, candy, flowers, or other de minimus items

Meals Meals costing less than \$50 per person are exempt from this policy. Such meals must not occur more than once per quarter. Employees responsible for awarding contracts to consultants may not accept any meals during the selection process.

Employee Responsibility

No District employee shall accept a gratuity. (If a gratuity is offered it should be politely declined, explaining that it is against District policy for a gratuity to be accepted.) If District employees are in doubt about what to do in a specific instance, it is their responsibility to seek advice from their Coach. Items exempt from this policy (e.g., candy) may be shared with other District employees.

Management Responsibility

It is management's responsibility to inform District employees of this policy and to ensure that it is adhered to.

Designated management staff and Board members are required to submit Form 700 of the California Fair Political Practices Commission annually.

Previous Versions: 3/88, 12/94, 10/03, 10/07

Approved by:	Board of Directors
Author/Owner:	Executive Team
Reviewers:	Executive Team
Notify Person:	Business Services Manager
Revision Frequency:	Every 5 years
Next Revision:	1/18



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard B. Currie
General Manager
District Engineer

David M. O'Hara
Attorney

DATE: January 7, 2013

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer
Jesse Gill, TSCS Work Group Manager
Sami Ghossain, CIP Team Coach
Raymond Chau, Principal Engineer
Ric Pipkin, Associate Engineer

SUBJECT: Agenda Item No. 10 - Meeting of January 14, 2013
**PUBLIC HEARING ON THE INITIAL STUDY AND NEGATIVE
DECLARATION OF ENVIRONMENTAL IMPACTS FOR THE
THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT**

Recommendation

The Board of Directors opens the public hearing and receives comments regarding the Initial Study and Negative Declaration for the Thickener Control Building Improvements Project.

Background

The Thickener Control Building Improvements Project (Project) consists of replacement of existing equipment, electrical, and control systems to improve the operation, efficiency, and reliability of the gravity sludge thickening process that conveys thickened sludge to the primary digesters. Figure 1 shows the location of the affected Thickening and Heating and Mixing Buildings.

The Project is currently in the design phase with construction anticipated to begin in the spring/summer of 2014.

Staff procured the services of Scheidegger and Associates to prepare the Initial Study for the proposed Project. Pursuant to the California Environmental Quality Act (CEQA) and the "CEQA-Plus" requirements of the State water Resources Control Board, the consultant analyzed the Project's potential impact to various environmental resources

5072 Benson Road
Union City, CA 94587
(510) 477-7500 FAX (510) 477-7501

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(e.g., air quality, biological resources, cultural resources, greenhouse gas emissions, etc.) and summarized applicable control measures to be included in the Project to minimize impacts to the environment. After the completion of the Initial Study, staff made the determination “that the proposed Project could not have a significant effect on the environment and a negative declaration will be prepared.”

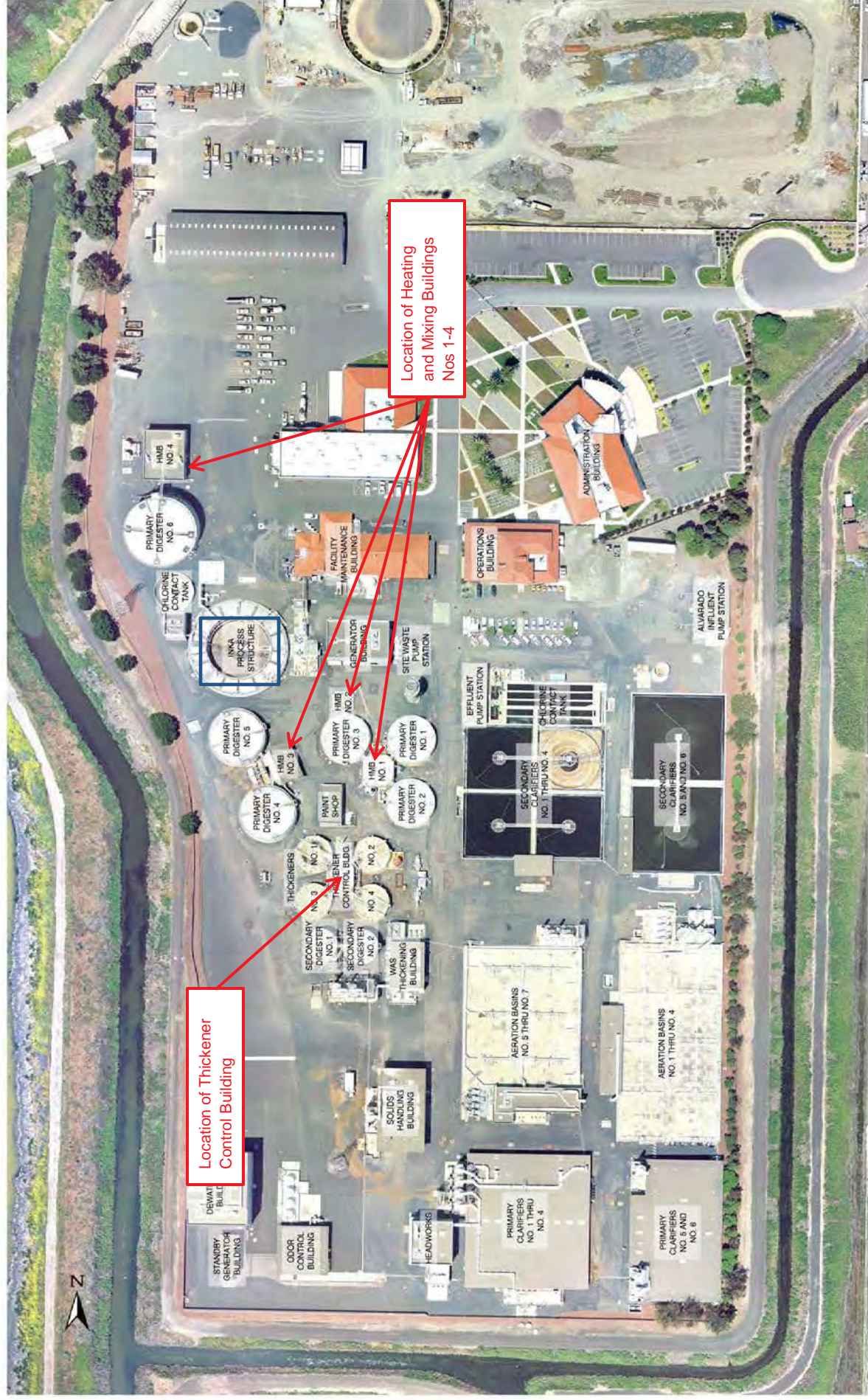
As required by the CEQA, a public hearing is to be held to allow for public comment on the Initial Study and Negative Declaration for the Project. Staff circulated the Initial Study and Negative Declaration to local and state permitting agencies for review during the period of November 12 through December 11, 2012. The “Notice of Document Availability and Intent to Adopt a Negative Declaration” was published in The Argus and mailed to the Alameda County Clerk-Recorder’s Office for posting. The Notice also informed that the District will conduct a public hearing to receive oral comments and for considering adoption of the Negative Declaration on January 14, 2013.

If the District does not receive any major comments at this public hearing, staff recommends the Board adopt the Negative Declaration under a separate Board agenda item at the January 14, 2013 meeting.

RBC/JG/SG/RC;mp

Attachment: Figure 1 – Site Plan

Figure 1 – Site Plan
Thickener Control Building Improvements Project





Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard B. Currie
General Manager
District Engineer

David M. O'Hara
Attorney

DATE: January 7, 2013

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer
Jesse Gill, TSCS Work Group Manager
Sami Ghossain, CIP Team Coach
Raymond Chau, Principal Engineer
Ric Pipkin, Associate Engineer

SUBJECT: Agenda Item No. 11 - Meeting of January 14, 2013
**RESOLUTION NO. 2692, ADOPTING THE NEGATIVE DECLARATION
FOR THE THICKENER CONTROL BUILDING IMPROVEMENTS
PROJECT AND APPROVING THE PROJECT AS DEFINED IN THE
NEGATIVE DECLARATION FOR THE PURPOSE OF FILING THE
NOTICE OF DETERMINATION**

Recommendation

Staff recommends the Board adopt the Negative Declaration for the Thickener Control Building Improvements Project (Project) and approve the Project as defined in the Negative Declaration for the purpose of filing the Notice of Determination.

Background

Staff procured the services of Scheidegger and Associates to prepare the Initial Study for the proposed Project. Pursuant to the California Environmental Quality Act (CEQA) and the "CEQA-Plus" requirements of the State Water Resources Control Board (SWRCB), the consultant analyzed the Project's potential impact to various environmental resources (e.g., air quality, biological resources, cultural resources, greenhouse gas emissions, etc.) and summarized applicable control measures to be included in the Project to minimize impacts to the environment. After the completion of the Initial Study, staff made the determination "that the proposed Project could not have a significant effect on the environment and a negative declaration will be prepared."

5072 Benson Road
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Staff circulated the Initial Study and Negative Declaration to local and state permitting agencies for review during the period of November 12, 2012 through December 11, 2012. The "Notice of Document Availability and Intent to Adopt a Negative Declaration" was published in The Argus and mailed to the Alameda County Clerk-Recorder's Office for posting. The Notice also stated that the District will conduct a public hearing to receive oral comments and for considering adoption of the Negative Declaration on January 14, 2012.

Following adoption of the Negative Declaration for the Project, staff will prepare and file the Notice of Determination with the Governor's Office of Planning and Research and the Alameda County Clerk.

During the review period, staff received comments from several agencies. The table below summarizes these comments and staff's proposed response to the commenting agencies after the Board adopts the Negative Declaration. After the conclusion of the review period the District also received comments from the SWCRB reminding the District of the need to follow the "CEQA-Plus" requirements of the SWRCB in order to be eligible for Clean Water State Revolving Funds from the SWRCB and providing the specific comments in the table below.

Commenting Agency	Nature of Comments	Response to Comment
Alameda County Water District	<ol style="list-style-type: none"> 1. To protect or abandon the existing groundwater wells at the Plant, the District must be in compliance with ACWD Well Ordinance No. 2010-01. 2. Pursuant to ACWD Well Ordinance No. 2010-01, drilling permits are required for any subsurface drilling activities for wells, exploratory holes, and other excavations. 3. Provide copies of all technical reports for subsurface investigations conducted in the project area in reference to the on-going investigation into the presence of petroleum hydrocarbons in the project area. 4. If groundwater is encountered during construction, provide excavation dewatering. If dewatering wells are necessary, comply with ACWD Well Ordinance No. 2010-01. 	The District will comply with ACWD Well Ordinance No. 2010-01 for the activities identified by ACWD in their comment letter dated December 6, 2012.

Commenting Agency	Nature of Comments	Response to Comment
County of Alameda Public Works Agency	The District shall provide measures to prevent the discharge of contaminated materials into public drainage facilities. There is a channel located in the vicinity of the project and is owned and maintained by the Alameda County Flood Control and Water Conservation District.	The Plant site is contained and all site drainage will continue to be conveyed to the plant's treatment process via the on-site drainage system. No discharge of contaminated materials into public drainage facilities will occur.
State Water Resources Control Board	<ol style="list-style-type: none"> <li data-bbox="440 663 894 905">1. Under the Biological Resources section, please describe in greater detail the vegetative habitat surrounding the Project site. Also, identify the likelihood of occurrence of any special-status species in the vegetative habitat and the Project site. <li data-bbox="440 1293 894 1415">2. Please include a Federal Emergency Management Agency floodplain map of the Project Area. 	<ol style="list-style-type: none"> <li data-bbox="917 663 1383 1262">1. The treatment plant site is enclosed by a 6-foot high slatted cyclone fence, bordered by light industrial development to the north, and flood control channels on the remaining sides which are maintained by the Flood Control District for weed abatement. Because of the disturbed nature of areas surrounding the plant site where occurrences of special-status species have not been documented, the barriers surrounding the site, the continual ongoing plant operation and project related activities, and the proposed Project activities would be confined to the plant site, there would be no direct or indirect impact to special-status species. <li data-bbox="917 1293 1383 1356">2. The District will provide the requested map of the Project site.

The District received a letter from the State Clearinghouse and Planning Unit of the Governor's Office of Planning and Research, dated December 11, 2012, indicating that no state agency submitted comments by the comment period end date. The letter also acknowledges that the District complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Staff recommends the Board adopt the Negative Declaration for the Thickener Control Building Improvements Project and approve the Project as defined in the Negative Declaration for the purpose of filing the Notice of Determination.

RBC/JG/SG/RC/RP;mp

Attachment: Resolution
Initial Study and Negative Declaration
Letter from ACWD
Letter from County of Alameda Public Works Agency
Letter from State Clearinghouse
Letter from SWRCB

RESOLUTION NO. 2692

ADOPTING THE NEGATIVE DECLARATION FOR THE THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT AND APPROVING THE PROJECT AS DEFINED IN THE NEGATIVE DECLARATION FOR THE PURPOSE OF FILING OF THE NOTICE OF DETERMINATION

WHEREAS, the Union Sanitary District (District) has prepared and distributed for comment the Initial Study and Negative Declaration of potential environmental impacts of Thickener Control Building Improvements Project; and

WHEREAS, the District provided a public comment period from November 12, 2012 through December 11, 2012; and

WHEREAS, the District received written comments from the Alameda County Water District, the County of Alameda Public Works Agency, and the State Water Resources Control Board and the District will respond in writing to these commenting agencies; and

WHEREAS, the District will coordinate with the design consultant to address the written comments from the agencies; and

WHEREAS, the District determined the Project would have no impacts to biological resources based on the characteristics of the Project and review of the site and surrounding conditions, and the District submitted a Request for No Effect Determination to the California Department of Fish and Game (DFG) for the purpose of waiving the DFG filing fee for the Notice of Determination; and

WHEREAS, the District did not receive comments from any other selected state agencies by the review date of December 11, 2012, as determined by the State Clearinghouse and Planning Unit of the Governor's Office of Planning and Research; and

WHEREAS, the District conducted a public hearing on January 14, 2013 during a regularly scheduled meeting of the District's Board of Directors; and

WHEREAS, the Negative Declaration was noticed in accordance with Title 14, California Code of Regulations, Sections 15072 and 15105, and no substantive comments were received during the public hearing regarding the Negative Declaration; and

WHEREAS, it has been determined that the project could not have a significant effect on the environment; and

WHEREAS, the project does not have possible environmental effects which are individually limited but accumulatively considerable; and

WHEREAS, the environmental effects of this project will not cause substantially adverse effects on human beings, either directly or indirectly; and

WHEREAS, there were no "Potentially Significant" and "Less Than Significant with Mitigation Incorporated" environmental impacts identified in the Negative Declaration; and

WHEREAS, the Thickener Control Building Improvements Project is defined in the Negative Declaration; and

WHEREAS, it is necessary for the Board of Directors to officially approve the Thickener Control Building Improvements Project in order to file a Notice of Determination that there will be no adverse effects on the environment by virtue of this project in accordance with definitions of the California Environmental Quality Act; now, therefore, be it

RESOLVED: That the Board of Directors of the UNION SANITARY DISTRICT hereby adopts the Negative Declaration for the Thickener Control Building Improvements Project and approve the project as defined in the Negative Declaration for the purpose of filing the Notice of Determination, effective January 14, 2013.

On motion duly made and seconded, this resolution was adopted by the following vote on January 14, 2013:

AYES:	Fernandez, Handley, Kite, Lathi, Toy
NOES:	----
ABSENT:	----
ABSTAIN:	----

PAT KITE
President, Board of Directors
Union Sanitary District

Attest:

MANNY FERNANDEZ
Secretary, Board of Directors
Union Sanitary District



Initial Study and Negative Declaration

Thickener Control Building Improvements Project



**INITIAL STUDY AND
NEGATIVE DECLARATION**

THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT

November 2012

LEAD AGENCY:

**Union Sanitary District
5072 Benson Road
Union City, CA 94587-2508
(510) 477-7606**

PREPARED BY:

**Scheidegger & Associates
P.O. Box 331
Danville, CA 94526
(925) 210-2271**

WITH ASSISTANCE FROM:

William Popenuck (Air Quality)

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Appendix E.	Native American Consultation

*Figure follows page number indicated.

INTRODUCTION AND PROJECT DESCRIPTION

1. **Project Title:** Thickener Control Building Improvements Project
2. **Lead Agency Name and Address:** Union Sanitary District
5072 Benson Road
Union City, CA 94587-2508
3. **Contact Person and Phone Number:** Ric Pipkin
(510) 477-7609

Paul Scheidegger
Scheidegger & Associates
(925) 210-2271

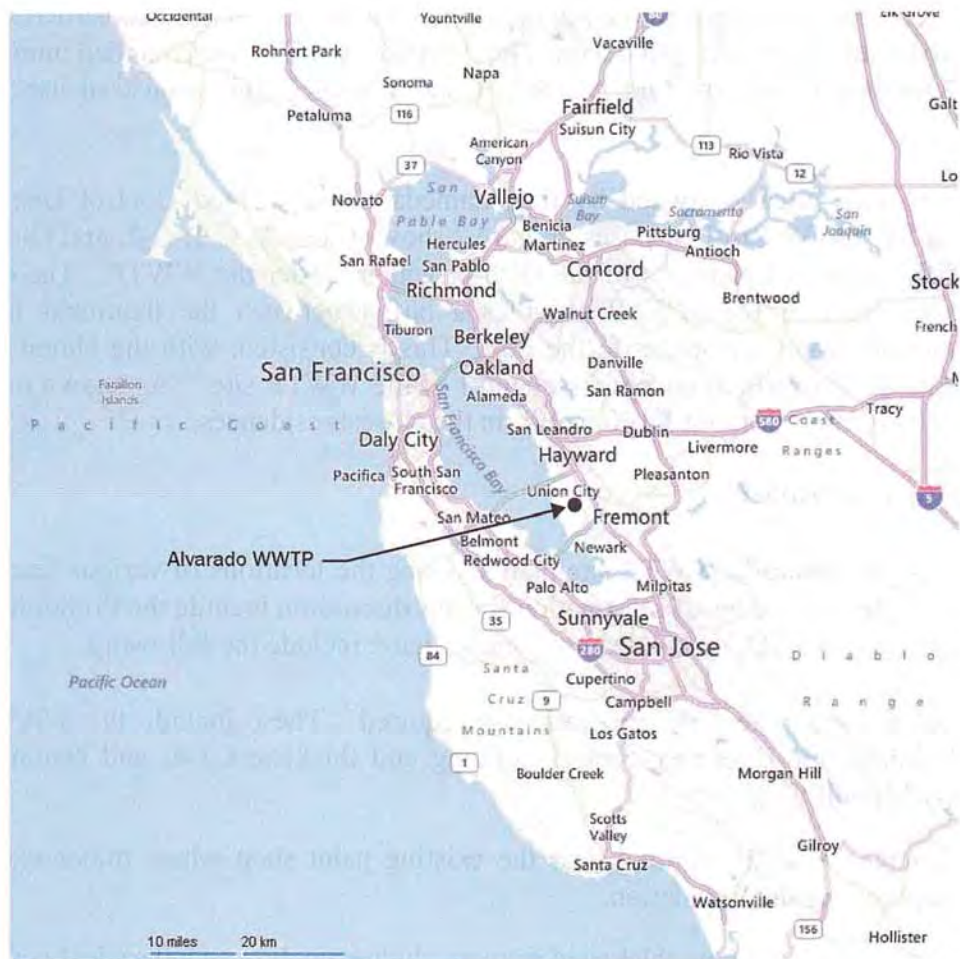
4. **Project Location:**

Figure 1 shows the location of the Alvarado Wastewater Treatment Plant (WWTP) where the Thickener Control Building Improvements Project (Project) will be located. The site is located within the city of Union City in Alameda County, at 5072 Benson Road, east of the Old Alameda Creek Channel and the San Francisco Bay.

5. **Project Sponsor's Name and Address:** Union Sanitary District
5072 Benson Road
Union City, CA 94587-2508
6. **General Plan Designation:** Civic Facility¹
7. **Zoning:** Civic Facility²
8. **Introduction:**

Union Sanitary District (USD) is a special district that provides wastewater collection, treatment, and disposal services to residents and businesses within the cities of Fremont, Newark, and Union City in southern Alameda County. USD's wastewater collection system consists of three major pump stations and about 780 miles of pipelines ranging in size from 6 to 48 inches in diameter. All wastewater generated within the service area, including peak wet weather flows, receives full secondary treatment at the USD Alvarado WWTP and is then conveyed to the East Bay Discharger's Authority for discharge to San Francisco Bay.

The Alvarado WWTP treatment train includes four gravity sludge thickener tanks and a thickener control building for thickening of primary sludge (PS) and waste activated sludge (WAS). The control building contains pumps, piping, power and controls for extracting the



Source: Microsoft, Bing Maps

Figure 1. Project Location

thickened sludge from the gravity thickeners and feeding them to USD's six primary digesters. USD needs to replace the existing equipment in order to improve the operation and efficiency of the gravity sludge thickening process. Also, USD intends to improve the gravity sludge thickening process with changes in the piping, pump, and electrical equipment layout to improve the reliability of the pumping system that conveys the thickened sludge to the primary digesters.

9. Surrounding Land Uses and Setting

Figure 2 shows the location of USD's Alvarado WWTP relative to surrounding land uses. The Project location shown on the figure is where the demolition and construction activities associated with the Project will occur. The Alvarado WWTP is surrounded immediately by salt evaporation ponds, the Old Alameda Creek Channel, light industrial uses, and open space.

The open space area is owned by the Alameda County Flood Control District and is managed for flood control purposes. Figure 2 shows Lines A, G-1, G-2, and G-6 which are earthen flood control channels of the District which border the WWTP. The open space area to the east of the WWTP provides a buffer between the treatment facility and residential development further to the east. This is consistent with the Union City's 511 Area Specific Plan which encompasses most of the WWTP site.³ As shown on Figure 2, the Project location is about 1,160 feet from the closest residences.

10. Description of Project

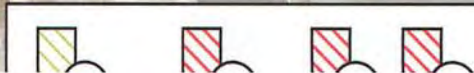
Figure 3 is the Alvarado WWTP site plan showing the locations of various features of the proposed Project. Sources of information for this discussion include the Preliminary Design Report update and USD.^{4,5} The features on the figure include the following:

- Work areas where no excavation is required. These include the WAS thickener building, the thickener control building and thickeners 1-4, and heating and mix (H/M) buildings 1-4.
- A new electrical building near the existing paint shop where minor excavation is required for the foundation.
- The locations of new thickened primary sludge pipeline and electrical conduit where limited excavation is necessary.
- The proposed staging area for the Contractor.

Gravity thickeners Nos. 1 and 2 and the north half of the thickener control building were constructed in 1978. Gravity thickeners Nos. 3 and 4 and the south half of the thickener control building were constructed in 1985. The piping and all related electrical and control equipment in the thickener control building have worn and corroded over time and reached the end of their useful life.



LEC



USD needs to replace the existing equipment in order to improve the operation and efficiency of the gravity sludge thickening process. Also, USD intends to improve the gravity sludge thickening process with changes in the piping, pump, and electrical equipment layout to improve the reliability of the pumping system that conveys the thickened sludge to the primary digesters. USD also intends to add additional metering equipment and pipelines which allow for more automated, precise, and reliable control of the thickened sludge feed rate and density to each digester.

These improvements will require replacement and modifications to the piping from the thickener control building to the H/M buildings for each of the six primary digesters as well as replacement of electrical and controls equipment at three of the H/M buildings. The improvements will also require replacement of the control systems at a fourth H/M building and the existing WAS thickening building. All of these improvements will improve reliability, density control, and efficiency of USD's thickening and digestion processes as well as the performance of the entire WWTP.

The key improvements and enhancements can be summarized as follows. All improvements will improve the reliability and efficiency of both the thickening and digestion process and treatment plant operation as a whole.

1. Construction of a new electrical building to house new motor control centers and programmable logic controllers to provide power and control for the thickener control building and H/M building No. 3. Conversion of an existing room within the H/M building No. 1 to create a controlled environment for installation of a new motor control center and programmable logic controller for power and control of H/M buildings No. 1 and 2. The new and converted spaces will provide a well controlled environment for maintaining the electrical and control equipment.
2. Demolition of the structural concrete of the thickener control building. By eliminating the building and replacing it with an access deck and shelter for the equipment, USD can increase the useable space and allow for an improved floor plan of the structure. This will improve access for operation and maintenance of the equipment in the room.
3. Addition of new piping, pumps, and instrumentation and control equipment. The addition of new piping, pumps, valves, and instrumentation and control equipment at the thickener building area and at the H/M buildings will provide better control of the density and flow-rate of the thickened sludge to each digester.

The construction work by the Contractor will be sequenced and will require approximately 18 to 24 months to complete all work. Depending upon several variables, the construction is scheduled to begin in Spring 2014 and complete by Fall 2015.

11. Other Public Agencies Whose Approval is Required

State Water Resources Control Board (SWRCB), Division of Financial Assistance – funding through the State Revolving Fund (SRF) loan program.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is “Less Than Significant with Mitigation Incorporated” as indicated by the checklist on the following pages.

- | | | |
|---|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture & Forest Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology / Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality |
| <input type="checkbox"/> Land Use / Planning | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise |
| <input type="checkbox"/> Population / Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Transportation / Traffic | <input type="checkbox"/> Utilities / Service System | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION

DETERMINATION

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 or agreed to by the Project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
- ☐ 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 (1) 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.


Signature

October 31, 2012
Date

Raymond Chau
Printed Name
Raymond Chau
Union Sanitary District

DISCUSSION OF ENVIRONMENTAL CHECKLIST

A discussion of the environmental checklist is included below. In general, the format followed includes a discussion of the setting and an impact analysis for each resource category. Reference and information sources for the checklist are included at the end of this document.

The impact analyses include a summary of control measures incorporated into the Project by USD to minimize potential impacts, the environmental checklist significance criteria, and an analysis of potential impacts. Control measures are procedures known to further reduce the potential for impacts based on regulatory agency requirements, standards in the industry, and construction/operating experience.

A. AESTHETICS

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- A1. Throughout the period of demolition and construction, the Contractor shall keep the work site, including work, storage, parking, and employee areas, free and clean of all rubbish and debris, and shall promptly remove from the site, or from the property adjacent to the site of the work, all unused and rejected materials, surplus earth, concrete, plaster, and debris. In particular the Contractor shall keep the site clean to maintain safe access and to avoid fire hazard.

Significant Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
A. AESTHETICS						
Would the Project:						
1) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) Substantially damage scenic resources, including, but not limited to, trees, rock, outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
3) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
4) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria A1, A2, A4

The Project is a short-term demolition and construction activity that will not affect a scenic vista or other scenic resources (Criteria A1 and A2), and will not introduce a new source of substantial light or glare (Criterion A4).

Less-Than-Significant Impacts: Criterion A3

Criterion A3 relates to the visual degradation of the site or surroundings. Accumulations of waste material during demolition and construction could occur, negatively impacting the visual character of the area. Control Measure A1, however, has been incorporated into the Project to address this issue. The Contractor will be required to keep the work areas free from accumulations of waste material or rubbish caused by employees or by the work, and all surplus material will be removed from the site promptly. Final cleanup will restore the construction area to pre-Project conditions. Thus, the aesthetic impact related to visual degradation is less than significant and no mitigation is required.

Mitigation Measures

None required.

B. AGRICULTURE AND FOREST RESOURCES

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
B. <u>AGRICULTURE AND FOREST RESOURCES</u>						
Would the Project:						
1) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
3) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)) or timberland (as defined in Public Resources Code section 4526)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
5) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria B1-B5

The SWRCB must assess the Project relative to the California Environmental Quality Act (CEQA) Plus requirements, including the federal Farmland Protection Policy Act of 1981. Project demolition and construction would occur within the Alvarado WWTP. No impacts to agricultural and forest resources would occur relative to Criteria B1-B5 and there would be no issues associated with the Farmland Protection Policy Act.

Mitigation Measures

None required.

C. AIR QUALITY

SETTING

The proposed Project is located in Union City within the southern portion of Alameda County, part of the nine-county San Francisco Bay Area Air Basin (Air Basin). The local air quality regulatory agency responsible for this air basin is the Bay Area Air Quality Management District (BAAQMD).

Local Climate and Air Quality

The air quality in a given area depends on the sources of air pollution in the area, transport of pollutants to and from surrounding areas, local and regional meteorological conditions, as well as the surrounding topography of the air basin. Air quality is described by the concentration of various pollutants in the atmosphere. Units of concentration are generally expressed in parts per million (ppm) or micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The significance of a pollutant concentration is determined by comparing the concentration to an appropriate ambient air quality standard. The standards represent the allowable pollutant concentrations

designed to ensure that the public health and welfare are protected, while including a reasonable margin of safety to protect the more sensitive individuals in the population.

The climate of the Bay Area is mediterranean in character, with mild, rainy winter weather from November through March, and warm, dry weather from June through September. The Project region is indirectly affected by marine air flow. Marine air entering through the Golden Gate is blocked by the East Bay hills, forcing the air to diverge into northerly and southerly paths. The southern flow is directed down the bay, parallel to the hills, where it eventually passes over southwestern Alameda County. The sea breezes are strongest in the afternoon. The further from the ocean the marine air travels, the more the ocean's effect is diminished. Thus, although sea breezes affect the climate of the Project area, it is less affected than those regions of the Bay Area that are closer to the Golden Gate.

Temperatures in the Project area range from the high 80's during the day to the 50's in the evening during the summer months (June through September), while in the winter months (December through February) temperatures range from the low 60's during the day to the low 40's in the evenings. The effects of the Bay adjacent to the area and the overall influence of the Pacific Ocean tends to moderate daily and seasonal variations in temperature. Monthly rainfall averages 2 to 3 inches during the rainy season (November through March). Total annual rainfall averages about 15 inches.

Pollution potential is relatively high in the Project area during the summer and fall. When high pressure dominates, low mixing depths and Bay and ocean wind patterns can concentrate and carry pollutants from other cities to the Union City area, adding to locally emitted pollutants. In the wintertime, the air pollution potential in this area is moderate.

Criteria Air Pollutants The federal and California Clean Air Acts (CAA) have established ambient air quality standards for common pollutants. The ambient air quality standards are intended to protect human health and welfare. At the federal level, national ambient air quality standards have been established for criteria pollutants. These criteria pollutants include carbon monoxide (CO), ozone (O₃), nitrogen dioxide (NO₂), respirable particulate matter with a diameter less than 10 microns (PM₁₀), fine particulate matter with a diameter less than 2.5 microns (PM_{2.5}), sulfur dioxide (SO₂), and lead.

California has adopted ambient air quality standards which are, in general, more stringent than the national ambient air quality standards, and include other pollutants not regulated at the federal level (sulfates, hydrogen sulfide, and vinyl chloride). National and state ambient air quality standards are shown in Table 1. Both the national and state ambient air quality standards have been adopted by the BAAQMD.

Ambient concentrations of criteria pollutants are monitored in the Air Basin by the BAAQMD. The closest BAAQMD monitoring stations to the Project area are located in Fremont and San Jose. Criteria pollutants monitored at the Fremont station are ozone, carbon monoxide, nitrogen dioxide, and PM_{2.5}. PM₁₀ monitoring at the Fremont site was discontinued in 2008. The closest monitoring station measuring PM₁₀ is in San Jose. Table 1 includes a summary of the historical occurrences of pollutant concentrations measured at the Fremont and

San Jose stations exceeding the state and/or national ambient air quality standards for the three-year period from 2008 through 2010. Table 1 shows that the state 1-hour and 8-hour O₃ standard were exceeded one or more times per year and the national 24-hour PM_{2.5} standard was exceeded once over the last 3 years.

Table 1. State and National Air Quality Standards and Summary of Measured Air Quality Exceedances in the Project Area (2008 – 2010)

Pollutant	Averaging Period	Standard	Days Exceeding Standard		
			2008	2009	2010
Ozone	State 1-hour	0.09 ppm	1	4	1
	National 8-hour	0.075 ppm	1	0	1
	State 8-hour	0.070 ppm	3	2	1
Carbon Monoxide	State 1-hour	20 ppm	0	0	ND
	National 1-hour	35 ppm	0	0	ND
	State & Federal 8-hr	9 ppm	0	0	ND
Nitrogen Dioxide	State 1-hour	0.18 ppm	0	0	ND
	National 1-hour	0.100 ppm	0	0	ND
	State Annual	0.03 ppm	0	0	ND
	National Annual	0.053 ppm	0	0	ND
Respirable Particulate Matter (PM ₁₀) ^a	State 24-hr	50 µg/m ³	1	0	0
	National 24-hr	150 µg/m ³	0	0	0
	State Annual	20 µg/m ³	0	0	0
Fine Particulate Matter (PM _{2.5})	National 24-hr	35 µg/m ³	0	1	0
	State Annual	12 µg/m ³	0	0	0
	National Annual	15 µg/m ³	0	0	0

Source: BAAQMD. Bay Area Air Pollution Summary for years 2008 - 2010

Notes: ppm = parts per million, µg/m³ = micrograms per cubic meter, ND = No data available

^a Data measured at San Jose monitoring station, the closest monitor to the Project site.

Toxic Air Contaminants In addition to "criteria" air pollutants, there is another group of substances found in ambient air referred to as Toxic Air Contaminants (TACs) under state regulations and Hazardous Air Pollutants (HAPs) under federal regulations. These contaminants tend to be localized and are found in relatively low concentrations in ambient air. However, they can result in adverse chronic health effects including cancer. Sources of TACs include industrial processes such as petroleum refining and manufacturing, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. One of the TACs of greatest concern in California is diesel particulate matter (DPM), which is classified as a carcinogen (causes cancer). TACs are regulated at the local, state, and federal level.

Regulatory and Planning Framework

Federal, state, and regional agencies regulate air quality in the Air Basin. At the federal level, the U.S. Environmental Protection Agency (EPA) is responsible for overseeing implementation of the federal CAA. The California Air Resources Board (CARB) is the state agency that regulates mobile sources throughout the state and oversees implementation of the state air quality laws and regulations, including the California CAA. The primary agency that regulates air quality in the Project area is the BAAQMD. The BAAQMD has permit authority

over stationary sources, acts as the primary reviewing agency for environmental documents, and develops regulations that must be consistent with, or more stringent than, federal and state air quality laws and regulations.

Federal Air Quality Regulations The Federal CAA requires CARB, based on air quality monitoring data, to designate portions of the state where the national ambient air quality standards are not met as “nonattainment areas”. Because of the differences between the national and state ambient air quality standards, the designation of nonattainment areas is different under the federal and state legislation. Areas that meet the air quality standards are considered to be in attainment of the standards. Areas where there is no monitoring data available or insufficient data to classify an area are considered unclassified, which for regulatory purposes is treated as an attainment area.

The Bay Area as a whole does not meet national ambient air quality standards for O₃. EPA has classified the region as marginal nonattainment for 8-hour O₃, nonattainment for 24-hour PM_{2.5}, and attainment or unclassifiable with respect to the national air quality standards for all other pollutants. The EPA requires states that have areas that are not in compliance with the national standards to prepare and submit air quality plans showing how the standards would be met. If the states cannot show how the standards would be met, then they must show progress toward meeting the standards. These plans are referred to as the State Implementation Plan (SIP).

As part of the SIP, California has incorporated the federal General Conformity Rule. The EPA’s Conformity Rule, as promulgated in 40 CFR Part 93 Subpart B, and 40 CFR Part 51, Subpart W, implements the conformity requirements of Section 176(c) of the 1990 Amendments to the Federal Clean Air Act. Conformity to the SIP is defined in the CAA as requiring all federal agencies to ensure that any agency activity conforms to an approved SIP in nonattainment or maintenance areas. Compliance with the SIP assists in eliminating or reducing the number of violations of the national ambient air quality standards, which expedites attainment of the standards. The General Conformity Rule requires that the total of direct and indirect emissions of nonattainment or maintenance area criteria pollutants, including O₃ precursors (reactive organic gases [ROG] and nitrogen oxides [NO_x]) and PM_{2.5} precursors (SO₂, NO₂, and reactive organic compounds [ROC] or ammonia [NH₃]) be considered in determining conformity.

If a federal action, such as SRF-funded projects, is to take place in a nonattainment or maintenance area, it is subject to a General Conformity evaluation. This determination can take one of three forms: (1) if the action meets certain criteria, it may be specifically exempted, regardless of whether the action would emit pollutants of concern; (2) if the action is determined to emit pollutants below specified de minimis thresholds and the potential emission levels are not regionally significant (less than 10 percent of the region’s emissions for a particular pollutant), the action can be assumed to conform with the SIP; and (3) for actions that do not fall under either of these two categories, a complete conformity determination must be made. Specifics of this process are listed in 40 CFR 93, Subpart B.

For SRF-funded projects, a General Conformity analysis applies only to projects in a federal nonattainment area or an attainment area subject to a maintenance plan and applies to those

pollutants that the area has been designated as nonattainment or maintenance. As described above, the Bay Area has been designated nonattainment for O₃ and PM_{2.5}.

California Air Quality Regulations The California CAA outlines a program for areas in the state to attain the California ambient air quality standards by the earliest practical date. The California CAA sets more stringent air quality standards for most of the pollutants covered under national standards, and additionally regulates other pollutants. If an area does not meet the California ambient air quality standards, the CARB designates the area as a nonattainment area. With respect to the state air quality standards, the Bay Area is a nonattainment area for O₃ and particulate matter (PM₁₀ and PM_{2.5}), and either attainment or unclassified for other pollutants. The California CAA requires local air pollution control districts to prepare air quality attainment plans for pollutants, except for particulate matter, that are not in attainment with the state standards. These plans must provide for district-wide emission reductions of five percent per year averaged over consecutive three-year periods or if not, provide for adoption of “all feasible measures on an expeditious schedule”. Air quality plans are not required for particulate matter.

Regional Air Quality Regulations and Planning Air quality in the Project region is regulated by the BAAQMD. The BAAQMD regulates stationary sources (with respect to federal, state, and local regulations), monitors regional air pollutant levels (including measurement of TACs), develops air quality control strategies and conducts public awareness programs

The BAAQMD prepared and adopted the Bay Area 2010 Clean Air Plan (CAP)⁷ This CAP updates the most recent ozone plan, the 2005 Ozone Strategy. Unlike previous Bay Area CAPs, the 2010 CAP is a multi-pollutant air quality plan addressing four categories of air pollutants:

- Ground-level O₃ and the key O₃ precursor pollutants (ROG and NO_x), as required by state law;
- Particulate matter, primarily PM_{2.5}, as well as the precursors to secondary PM_{2.5};
- TACs; and
- Greenhouse gases.

While the CAP addresses state requirements, it will also provide the basis for developing future control plans to meet federal requirements (National Air Quality Standards) for O₃ and PM_{2.5}. The region is required to prepare (by December 2012) a federally-enforceable plan to meet the national air quality standards for PM_{2.5}.

The BAAQMD has also developed CEQA Air Quality Guidelines that establish significance thresholds for evaluating new Projects and plans and provide guidance for evaluating air quality impacts of projects and plans.⁸ The Air Quality Guidelines provide procedures and significance thresholds for evaluating potential construction and operational related impacts during the environmental review process consistent with CEQA requirements.

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- C1. Water exposed soil areas at least twice per day, if conditions warrant.
- C2. All haul trucks transporting soil, sand, or other loose material shall be covered.
- C3. Remove dirt track-out on adjacent public roadways at least once per day using wet power vacuum street sweepers. The use of dry power sweeping is prohibited.
- C4. Post a publicly visible sign with the telephone number and person to contact at USD regarding dust complaints. This person shall respond and take corrective action within 48 hours. The phone number of the BAAQMD shall also be visible to ensure compliance with applicable regulations.
- C5. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations [CCR]). Clear signage shall be provided for construction workers at all access points.
- C6. All construction equipment shall be maintained and properly tuned in accordance with manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
C. <u>AIR QUALITY</u>						
Would the Project:						
1) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.7.25
2) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5-8
3) 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5-8

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
4) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,9
5) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,8

No Impacts: Criterion C1

The proposed Project is in an area currently designated nonattainment for the state 1-hour and 8-hour O₃ standards, nonattainment for the state 24-hour and annual PM₁₀ standards, and nonattainment for the state annual PM_{2.5} standard. It is also designated as nonattainment for the national 8-hour O₃ standard and nonattainment for the national 24-hour PM_{2.5} standard. To meet planning requirements related to these standards, the BAAQMD has developed a regional air quality plan, the Bay Area 2010 CAP.⁷ A significant impact would occur if a project would not comply with BAAQMD rules and regulations or if the project conflicted with the plan by not being consistent with the population-growth and vehicle miles traveled assumptions of the plan.

The USD Alvarado WWTP operates under a Permit to Operate (Facility A1209) issued by the BAAQMD.²⁵ Air pollution sources at the facility that are permitted include liquid and semi-liquid wastewater treatment process sources, municipal sewage anaerobic digesters, support systems such as a gasoline dispensing station, emergency diesel generators, gasoline and diesel fuel storage tanks, and a gas-fueled engine generator and hot water boiler to convert the plant produced digester gas into electricity and hot water to supply the plant energy needs. The proposed Project would not require modification of the existing air quality permit and once the Project is completed the WWTP would continue to operate under the existing air quality permit.

Construction and operation of the proposed Project would not be considered growth-inducing as it would not increase the treatment plant's capacity. Construction Project emissions would be short term and temporary and there would be no long term operational component to the Project that would generate new emissions or vehicle trips in the Air Basin that would conflict with the CAP. As a result, the Project would not conflict with or obstruct with implementation of the Clean Air Plan, and there would be no impact.

Less-Than-Significant Impacts: Criteria C2 – C5

Criteria C2, C3: Air Quality Violations

The proposed Project would involve demolition of the existing thickener control building and replacing it with an access deck and shelter for equipment, construction of a new electrical room building, and addition of new piping, pumps and instrumentation and control equipment. The demolition and construction related activities would result in temporary increases in air pollutant emissions. Once construction is completed and equipment operational there would be no increase in emissions from the WWTP due to this Project.

The Project would have a significant effect on air quality if emissions exceed the significance criteria established by the BAAQMD for construction related activities, as shown in Table 2.

Table 2. BAAQMD Significant Impact Thresholds for Construction Activities

Criteria Pollutant and Precursors	Average Daily Emissions (pounds per day)
ROG	54
NOx	54
PM10 ^a	82
PM2.5 ^a	54
Local CO	None
Construction Related Fugitive Dust (PM ₁₀ /PM _{2.5})	Best Management Practices

^a Only the exhaust portion of PM₁₀ and PM_{2.5} are compared against the threshold.
Source: BAAQMD, Reference 8.

Construction Impacts BAAQMD's approach to the CEQA analysis of construction impacts is two-fold. BAAQMD has identified thresholds of significance for exhaust emissions from construction related activities. These thresholds are for average daily exhaust emissions of ROG, NOx, PM₁₀, and PM_{2.5}. For fugitive dust emissions of PM₁₀ and PM_{2.5} the BAAQMD requires the use of Best Management Practices to minimize dust emissions. The Air Quality Guidelines provide recommended Best Management Practices for fugitive dust. If appropriate construction controls are implemented, fugitive dust emissions from construction activities would be considered less than significant. Control Measures C1 through C4 for the Project are consistent with BAAQMD recommended control methods for particulate emissions, and Control Measures C5 and C6 for minimizing exhaust emissions.

Under EPA's conformity rule construction emissions are included when comparing a project's emissions to the conformity de minimis emission thresholds. Emissions for the proposed Project would be considered significant and require a formal conformity determination if annual emissions exceed the EPA's General Conformity thresholds (40 CFR Part 93 Subpart B, Section 93.153). The conformity de minimis thresholds that are applicable to the Bay Area are 100 tons per year for NOx, ROG, PM_{2.5}, and SO₂.

The proposed Project would involve construction and demolition activities that would result in temporary increases in air pollutant emissions. These emissions would be generated primarily from construction equipment exhaust, earth disturbance, and construction worker and other construction-related vehicle trips to and from the site. These activities would occur for about 18 to 24 months and would occur in the areas identified in Figure 3. These construction activities are scheduled to begin in Spring 2014 and completed by Fall 2015.

As discussed above, construction activities would include demolition of the existing thickener control building and replacing it with an access deck and shelter for equipment, construction of a new electrical room building, and addition of new piping, pumps and

instrumentation and control equipment. During demolition, about 300 tons of concrete and steel scrap and about 1,000 tons of soil would be removed from the site, requiring about 65 trucks loads to haul the materials away. During construction about 1,000 tons of soil would be imported to the site, about 20 tons of concrete used for new foundations and pads, and about 150 tons of steel equipment and fabrications would be delivered and used at the site. This would require about 90 truck loads of materials to be delivered to the site. The maximum area disturbed on a daily basis would be about 600 square feet and about 3,000 square feet of existing paving will be replaced after trenching activities for new underground pipelines and ductbanks are completed. Additionally, new above grade piping and mechanical equipment will require painting. The estimated area to be painted is about 2,000 square feet.⁵

Air pollutant emissions from demolition, grading, trenching, construction activities, and surface coating (painting) were estimated with the URBEMIS2007 model using anticipated equipment and activity data and construction schedule information provided by USD.⁵ The URBEMIS2007 model takes into account the amounts of material imported and exported from a site, types of equipment used, hours of operation, equipment load factors, and emission factors for each piece of equipment. Details of the construction emission calculations are provided in Appendix A. Table 3 provides a summary of the maximum daily and annual criteria pollutant emissions from Project construction activities, along with a comparison to the BAAQMD significance thresholds and Conformity de minimis emission thresholds. Emissions of all pollutants are below the BAAQMD significance thresholds and Conformity de minimis thresholds. From a CEQA perspective, construction activities associated with the proposed Project would result in a less than significant impact. With respect to the General Conformity requirements, emissions at these levels would be less than the applicable General Conformity de minimis thresholds.

Table 3. Maximum Daily and Annual Emissions from Project Construction

Emission Source	Maximum Daily Emissions (pounds/day)					
	ROG	NOx	CO	SO ₂	PM ₁₀	PM _{2.5}
Equipment exhaust, vehicle travel, and surface coating	2.2	6.2	4.0	0.0	0.4	0.3
<i>BAAQMD Threshold</i>	<i>54</i>	<i>54</i>	<i>None</i>	<i>None</i>	<i>82</i>	<i>54</i>
<i>Exceed Threshold?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>
Emission Source	Maximum Annual Emissions (tons/year)					
	ROG	NOx	CO	SO ₂	PM ₁₀	PM _{2.5}
Equipment exhaust, vehicle travel, and surface coating	0.1	0.3	0.3	0.0	0.02	0.02
Fugitive Dust	-	-	-	-	0.04	0.01
Total	0.1	0.3	0.3	0.0	0.06	0.03
<i>Federal Conformity Threshold</i>	<i>100</i>	<i>100</i>	<i>-</i>	<i>100</i>	<i>-</i>	<i>100</i>
<i>Exceed Threshold?</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>	<i>No</i>

Source: William Popenuck, October 2012, and Reference 5.

Table 4 compares the estimated project maximum annual emissions, in tons per year, with the BAAQMMD annual emission inventory, in tons per day, for ROG, NOx and PM_{2.5} for the Air Basin based on projections for the year 2012 listed in the Bay Area 2010 CAP. As

shown, the project annual emissions, in tons per year, are well below the 10 percent of the Air Basin annual emissions expressed on a daily basis. Therefore, the project emissions are far below the de minimis level and less than 10 percent of the emissions inventory for nonattainment pollutants in the Air Basin, and further general conformity analysis is not required.

Table 4. Bay Area Air Basin Emission Inventory

Pollutant	Bay Area 2012 Emissions Tons/Day	10 percent of 2012 Emissions Tons/Day	Project Emissions Tons/Year	Exceed?
ROG emissions	331	33.1	0.1	No
NOx emissions	432	43.2	0.3	No
PM _{2.5} emissions	88.9	8.89	0.03	No

Source: William Popenuck, October 2012, and Reference 7.

Operational Emissions Operation of the proposed Project would not result in an increase in criteria pollutant emissions from the Alvarado WWTP. Therefore, there would be no impact from operation of the proposed Project.

Criterion C4: Exposure of Sensitive Receptors

Sensitive receptors are locations where an identifiable subset of the general population (children, asthmatics, the elderly, and the chronically ill) that is at greater risk than the general population to the effects of air pollutants are likely to be exposed. These locations include residences, schools, playgrounds, childcare centers, retirement homes, hospitals, and medical clinics. The closest sensitive receptors to the Project site are the residences in the residential area to the east of the Project site. The nearest residence is about 1,160 feet from the area where demolition and construction activities would occur.

Construction of the proposed Project would be a source of TACs that could affect the nearby residents. The primary concern for nearby sensitive receptors during construction activities would be from exposure to diesel emissions emitted by diesel-powered construction equipment and diesel trucks associated with Project construction activities. DPM is designated as a TAC by CARB for the cancer risk associated with long-term (i.e., 70 years) exposure to DPM.

BAAQMD has developed screening criteria to provide a conservative indication of whether construction of a Project would result in significant health risks.⁹ These screening criteria are based on the size of the construction area and the distance from a Project fence line to a sensitive receptor. For the proposed Project the construction area would encompass less than one acre. Based on the BAAQMD screening criteria, for an industrial construction Project of this size the minimum distance from the Project fence line to ensure that a sensitive receptor would have a less than significant impact is about 330 feet. Since the closest residences are beyond this distance, construction of the proposed Project is expected to have a less than significant impact.

Criterion 5: Odors

Criterion C5 addresses creation of objectionable odors affecting a substantial number of people. The BAAQMD Air Quality Guidelines has not established a threshold of significance for construction-related activities.⁸ During construction, the various diesel powered vehicles and equipment in use onsite would create localized odors. These odors would not likely be noticeable over long periods of time nor extend much beyond the Project site boundaries. Operation of the proposed Project would be conducted in a similar manner as the WWTP is currently operated. There would be no operational changes to the treatment plant that would increase the generation of odors. The potential for odors is, therefore, a less than significant impact.

Mitigation Measures

None Required.

D. BIOLOGICAL RESOURCES

Records maintained by the California Natural Diversity Data Base (CNDDDB) of the California Department of Fish and Game (DFG) indicate several special-status plant and animal species have been reported from or are suspected to occur in the Union City area.¹¹ No occurrences have been reported immediately around the WWTP, although several known occurrences have been reported within several miles. These include the salt marsh harvest mouse (*Reithrodontomys raviventris*); hairless popcorn flower (*Plagiobothrys glaber*); salt marsh common yellowthroat (*Geothypis trichas sinuosa*) and the California least tern (*Sternula antillarum browni*). These species generally occurred in the more sensitive marsh habitats southwest to northwest of the WWTP site.

A list of species suspected to possibly occur in the Project vicinity was prepared by the U.S. Fish and Wildlife Service (USFWS) and is included in Appendix B.¹² A total of 20 federally-listed, proposed, and candidate species were identified in the USFWS species list for the Newark USGS quadrangle and a total of 33 species were identified for the entire Alameda County area.

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significant Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
D. BIOLOGICAL RESOURCES						
Would the Project:						
1) 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 & Game or U.S. Fish and Wildlife Services?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,11,12
2) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,11
3) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,11
4) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,11,12
5) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6) Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria D1 - D6

The Alvarado WWTP site is within the historic margin of Bay tidelands; however, this site is diked and no longer tidally connected to the Bay. All Project activities would be confined to the WWTP site, which has ongoing operations, maintenance, and project-related activities.

There would be no direct or indirect effect on biological resources relative to Criteria D1-D6. Additionally, relative to CEQA-Plus requirements, there would be no impacts relative to the federal Endangered Species Act, the Magnuson-Stevens Fishery Conservation and Management Act, the Migratory Bird Treaty Act, and Executive Order 11990 (Protection of Wetlands).

Mitigation Measures:

None required.

E. CULTURAL RESOURCES

SETTING

Archival and field survey investigations conducted in 1993, as part of the USD District-wide Master Plan Program Environmental Impact Report, revealed no archaeological or historic resources within the Alvarado WWTP site.¹³ No further investigations were recommended.

In 2009, a records search was conducted for USD's Primary Clarifier Rehabilitation Project by the Northwest Information Center (NWIC) of Sonoma State University and is included in Appendix C.¹⁴ This records search is directly applicable to the proposed Project as the primary clarifiers are in close proximity at the WWTP site (Figure 3).

For the Clarifier Project, the report found that the project area contains no recorded Native American historic-period archaeological resources. Given the Clarifier Project area was on reclaimed land and limited scope of the project (shallow surficial ground disturbance, shallow excavation necessary to install a reclaimed water line, and a series of groundwater dewatering wells), there would be a low possibility of encountering such resources, and no further study of archaeological resources was recommended.

In 2005 and 2006, USD completed their Secondary Digester Modifications Project. The secondary digesters are located immediately adjacent to the Project site (Figure 3). Soil borings and a geotechnical cross section were completed for the digester Project and are included in Appendix D. The cross section demonstrates that the soils in the area of the proposed Project are fill down to a depth of 6 feet which supports NWIC's report that lands in the Project area were reclaimed and, thus, have a low cultural resource sensitivity.

In addition, consultation with Native American Heritage Commission and Native American individuals/organizations in Alameda County was conducted. Correspondence is included in Appendix E. No written comments were received from the Native American contacts, so follow-up telephone calls were made and the log is also included in Appendix E. In general, the Native American contacts recognized the minimal nature of excavation activities and noted the necessary protocol should be followed if something is found.

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
E. CULTURAL RESOURCES						
Would the Project:						
1) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,14
2) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,14,15
3) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6.15
4) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,15

No Impacts: Criteria E1-E4

A Site Plan and Area of Potential Effects (APE) Map was developed for the proposed Project and is included as Figure 3. The map shows limited excavation is necessary for the new electrical building and for installation of new thickened primary sludge line and electrical conduit where excavation will be limited to a 4 ½ foot depth. Because the Project site is on reclaimed land with a low cultural resource sensitivity and shallow excavations would be limited to documented underlying fill, no impacts relative to Criteria E1 to E4 nor Section 106 of the National Historic Preservation Act will occur.

Mitigation Measures

None required

F. GEOLOGY AND SOILS

SETTING

The Hayward and Calaveras faults pass about 4 and 11 miles northeast of the Alvarado WWTP site, respectively, while the San Andreas fault is 15 miles southwest of the site. The WWTP site is about 5 feet above mean sea level and is nearly level. Underlying sediments include fill, and clays, silts, and sandy typical of Bay deposits. Ground shaking and liquefaction are potential seismic hazards associated with the site.¹³ A geotechnical engineering study will be completed during final Project design which will provide recommendations for new structure foundation design and pipeline design and installation.

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- F1. Incorporate the recommendations of the geotechnical engineering study into the design of new structure foundations and pipeline design and installation.
- F2. Limit depth of excavations to about 4.5 feet below grade to avoid the risk of caving.
- F3. Provide temporary erosion control measures during demolition and construction to control potential soil erosion from the work area. Re-pave affected areas after construction is completed.
- F4. Imported soil shall comply with Project specifications which define the minimum geotechnical properties and analytical quality characteristics that must be met for use of fill material from off-site borrow sources. The analytical quality specifications will reflect State Department of Toxic Substances Control (DTSC) and Regional Water Quality Control Board (RWQCB) requirements and will contain numerical limitations for different types of use for the protection of the environment and public health.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
F. GEOLOGY AND SOILS						
Would the Project:						
1) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:						
a) 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,13
b) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,13
c) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,13
d) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) Result in substantial soil erosion, or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
3) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,13
4) Be located on expansive soil, as defined in Table 18-1B of the Uniform Building Code (1954), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,13
5) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6) Result in substantial soil degradation or contamination?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria F1a, F1d, F4, F5

Fault rupture and landslides are not associated with the proposed Project (Criteria F1a and F1d), expansive soils that would create substantial risks to life or property are not present (Criterion F4), and Criterion F5 is not relevant.

Less-Than-Significant Impacts: Criteria F1b, F1c, F2, F3, F6

Criteria F1b, F1c, F3: Geologic Hazards

These criteria address geologic hazards of the proposed Project which are quite limited. Control Measure F1 is incorporated into the Project to assure appropriate geotechnical engineering safeguards are incorporated into the design of new structure foundations and pipeline design and installation. Control Measure F2 limits excavation activities to about 4.5 feet below grade to avoid the risk of caving and associated worker safety issues. The impact is less than significant.

Criterion F2: Erosion

Criterion F2 addresses the potential for soil erosion. Demolition and construction activities will disturb soils in the Project area (Figure 3) and limited soil stockpiling will be necessary. However, most of these activities are projected to occur in the dry season and temporary erosion control measures will be implemented (Control Measure F3). The impact is, therefore, less than significant.

Criterion F6: Soil Contamination

Imported engineered fill will be required for the Project. This fill will conform to Project specifications which define the minimum geotechnical properties and analytical quality characteristics that must be met for use of fill from off-site borrow sources (Control Measure F4). The impact related to soil contamination is less than significant.

Mitigation Measures

None required.

G. GREENHOUSE GAS EMISSIONS

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- G1. Implement Control Measures C5 and C6 for controlling exhaust emissions.
- G2. Recycle demolition debris offsite.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
G. GREENHOUSE GAS EMISSIONS						
Would the Project:						
1) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
2) Conflict with any applicable plan, policy or regulation of an agency adopted for the purposes of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6, 10

Less-Than-Significant Impacts: Criteria G1, G2

Sources of greenhouse gas (GHG) emissions from construction activities include construction equipment exhaust, hauling truck trips, vendor truck trips, and worker trips. These emissions include carbon dioxide (CO₂), methane, and nitrous oxide. As discussed in Section C (Air Quality), construction activities for the proposed Project would utilize heavy duty diesel construction equipment and haul trucks, and other gasoline fueled vehicles and trucks. However, construction activities will occur for a limited duration over an 18 to 24 month period. GHG emissions from construction activities were estimated as 47 metric tons of carbon dioxide equivalents (CO₂e) for 2014 and 25 tons of CO₂e for 2015, for a total of 72 tons of CO₂e over the entire construction period. Control Measures G1 and G2 will be implemented to reduce GHG emissions to the extent feasible during construction.

Once operational the proposed Project is not expected to increase GHG emissions from the WWTP. The objective of the proposed Project is to replace existing older equipment in order to improve the operation and efficiency of the gravity sludge thickening process and improve the

reliability of the sludge pumping system with changes in the piping, pump, and electrical equipment layout. Installing new equipment and improving the operation and efficiency of the sludge thickening process will likely translate into some increased energy efficiency, thereby potentially reducing some GHG emissions. However, any potential reductions in GHG emissions have not been estimated.

On October 26, 2010, the City of Union City approved the Union City Climate Action Plan (UCCAP), which meets the requirements for a qualified GHG Reduction Strategy.¹⁰ The UCCAP was developed for the primary purpose of decreasing the City's dependency on fossil fuel and decreasing its share of GHG emissions contributing to global climate change. The Plan identifies a series of GHG reduction measures to achieve a goal of reducing the City's GHG emissions by 20 percent below 2005 levels by year 2020. The UCCAP is primarily directed at long term GHG emission sources and reductions and does not specifically address short term GHG emission sources such as construction projects.

The BAAQMD does not have an adopted threshold of significance for construction-related GHG emissions. However, the BAAQMD has established significance threshold of 1,100 metric tons of CO₂e for operational-related GHG emissions from projects other than stationary sources, which is useful for comparison purposes when looking at construction-related GHG emissions. The BAAQMD recommends calculating the emissions and disclosure that GHG emissions would occur during construction. As stated above, about 72 tons of CO₂e will be emitted over the entire construction period. Once construction is completed there will be no additional GHG emissions. This level of emission is considerably lower than the 1,100 metric tons of CO₂e per year operational emissions threshold for projects. Thus, GHG emissions from Project construction activities are expected to be less than significant.

The BAAQMD encourages construction projects to incorporate best management practices to reduce GHG emissions during construction where feasible and applicable. Best management practices may include, but are not limited to: using alternative fueled (e.g., biodiesel, electric) construction vehicles/equipment of at least 15 percent of the fleet; using local building materials of at least 10 percent, and recycling or reusing at least 50 percent of construction waste or demolition materials.

The proposed Project is a small-scale construction project with limited vehicle and equipment needs. GHG emissions from construction-related vehicles and equipment are low. As such, while the chosen contractor may have alternative fueled vehicles and equipment, requiring 15 percent of the fleet to be alternative fueled would have an unnecessary cost burden with no measurable benefit. It is likely that most of the building materials will be available within 100 miles of the Project site, although some materials may be manufactured at other locations and shipped to a local vendor. Recycling of demolition materials is incorporated in Control Measure G2.

Based on the above discussion, the proposed Project would have a less than significant impact with respect to GHGs.

Mitigation Measures

None required.

H. HAZARDS AND HAZARDOUS MATERIALS

SETTING

This resource category addresses health and safety issues related to the Project. Health risk impacts associated with air quality contaminants are discussed in Section C. For the proposed Project, health and safety issues apply to construction workers who would be exposed to hazardous materials and physical conditions associated with the presence of construction equipment and excavations. There are a variety of state and federal regulations that apply to construction projects for protection of health and safety. USD also has standard specifications to address these issues based on other successfully completed projects.

As discussed in the Project Description, pre-demolition surveys completed by USD in the past have shown the presence of lead-based paint and heavy metals in the types and age of the structures to be demolished in the proposed Project. Confirmation sampling will be conducted prior to demolition activities.¹⁶ In addition, USD anticipates encountering petroleum-contaminated soil and possibly groundwater within the Project location (Figure 3) based on ongoing monitoring and experience since 1999.¹⁷ The WWTP site is included on the SWRCB database for which an unauthorized release from underground storage tanks has occurred pursuant to Section 25295 of the Health and Safety Code.¹⁸

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- H1. Store and handle all hazardous materials in strict accordance with the Material Safety Data Sheets for the products. The storage and handling of potential pollution causing and hazardous materials, including but not necessarily limited to gasoline, oil, and paint, will be in accordance with all local, state, and federal requirements.
- H2. Employ safety provisions conforming to the U.S. Department of Labor, OSHA, and all other applicable federal, state, county and local laws, ordinances, and codes.
- H3. Establish, implement, and maintain a written injury prevention program as required by Labor Code Section 6401.7.
- H4. Appoint an employee as safety supervisor who is qualified and authorized to supervise and enforce compliance with the Safety Program.

- H5. Implement Control Measure F2, which limits depth of excavations to 4.5 feet below grade to avoid the hazard of caving.
- H6. Manhole entry and/or entry to any excavation greater than 4 feet deep shall be in full compliance with the confined space entry requirements of the U.S. Department of Labor and OSHA.
- H7. Identify and guard all hazardous areas and conditions by visual warning devices and, where necessary, physical barriers. Such devices shall, at a minimum, conform to the requirements of OSHA.
- H8. Coordinate vehicular access with USD staff and maintain safe, continuous vehicular and pedestrian access through this path at all times.
- H9. Comply with Specifications Section 01354, Hazardous Material Procedures. This section provides for preparation and compliance with a hazardous material work plan for lead based paint and metals. The work plan, prepared by the Contractor, will be in compliance with a series of state and federal regulations governing the use of qualified personnel, and the use of required procedures for the removal, contaminant, and disposal of these materials for the protection of worker health and safety and the environment.
- H10. During construction, characterize soil and groundwater if necessary at the Project site for petroleum based contaminants and other contaminants of concern. Based on results, develop and implement appropriate safeguards for worker safety, including training and use of personal protective equipment as necessary. For contaminated groundwater, provide additional treatment and/or disposal to the WWTP process. Dispose of contaminated soil at a permitted off-site disposal site.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
H. <u>HAZARDS AND HAZARDOUS MATERIALS</u>						
Would the Project:						
1) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
2) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
3) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,16
5) For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
7) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
8) Expose people or structures to 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
9) Expose people to existing or potential hazards and health hazards other than those set forth above?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6, 16-18

No Impacts: Criteria H2, H3, H5, H6, H8

Demolition and construction activities associated with the proposed Project do not have characteristics which would create significant hazards due to reasonably foreseeable upset and accident conditions (Criterion H2). Criteria H3 and H5, H6, and H8 are not relevant to the proposed Project.

Less-Than-Significant Impacts: Criteria H1, H9

Criterion H1: Exposure to Hazardous Materials.

Criterion H1 addresses public health or environmental hazards resulting from the routine handling of hazardous materials. The use of hazardous materials would be limited during construction activities and would include such traditional materials as gasoline, diesel oil, paint, resin, and epoxy concrete. Control Measure H1 requires the storage and handling of these materials to be in strict accordance with the Material Safety Data Sheets for the products and adherence to all local, state, and federal requirements. The impact is less than significant.

Criterion H4: Hazardous Materials Site

As discussed earlier, the WWTP is included on a list of hazardous materials sites due to the release of petroleum-based contaminants from underground storage tanks. More definitive data regarding the presence of these contaminants within the primary Project area will be obtained prior to construction (Control Measure H10). Based on that data, appropriate safeguards will be implemented for protection of worker safety and the environment. Based on Project's shallow excavations, it should be noted that groundwater will likely not be encountered. Nevertheless, the proposed Project would not create a significant hazard to the public or the environment and the impact is less than significant.

Criterion H7: Emergency Evacuation

Criterion H7 addresses whether the proposed Project would interfere with an adopted emergency response or evacuation plan. Various requirements will be imposed on the Contractor during construction and will be included in the Contract Documents. These requirements as formalized in Control Measure H8, relate to parking, vehicular access, for construction equipment, and location of the staging area. The effect of these requirements is to provide for minimal interference to routine WWTP operations and other plant construction projects and to provide for the necessary ingress and egress under extreme circumstances such as emergency evacuation. The impact is less than significant.

Criterion H9 :Health and Safety

Because of the nature of demolition and construction activities, potential health and safety impacts to workers do exist. The safety aspects of the Project, however, would be governed by federal and state requirements and USD standard specifications (Control Measure H2). Other control measures to be imposed on the Contractor include requirements for a safety plan and injury prevention plan with a safety supervisor (Control Measure H3 and H4), limiting depth of excavations to 4.5 feet below grade to avoid the hazard of caving (Control Measure H5), adherence to the confined space requirements (Control Measure H6), the use of safety barriers and visual warning devices as necessary (Control Measure H7), regulating demolition and construction vehicle access (Control Measure H8), and taking all necessary precautions for the removal, containment, and disposal of lead-based paint, metals, and contaminated soil and

groundwater (Control Measures H9 and H10). Use of these measures will reduce health and safety hazards to less-than-significant levels.

Mitigation Measures

None required.

I. HYDROLOGY AND WATER QUALITY

SETTING

Figure 2 shows the land use characteristics surrounding the Alvarado WWTP and the Project location. Salt ponds and the Old Alameda Creek Channel are the most prominent hydrologic features in the location. A series of flood control channels also exist in the area to convey drainage from upland areas. The closest federally-designated wild and scenic river is the lower American River near Sacramento.¹⁹ The WWTP site is within Zone AE of the 100-year flood plain where the base flood elevation is 10 feet above mean sea level.²⁰ Groundwater at the site is of poorer quality and affected by petroleum-based contaminants from prior use of underground storage tanks. Groundwater is generally encountered at 6 to 8 feet below ground surface,¹⁷ but can vary based on time of year and rainfall patterns. Of the four sole source aquifers in California, the closest to the Project site is Santa Margarita Aquifer in Scotts Valley.²¹

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- I1. If groundwater is encountered during excavations, comply with USD Standard Specifications for dewatering and necessary pretreatment prior to discharge to the plant headworks.
- I2. Implement Control Measure F3 for temporary control of erosion and siltation during demolition and construction, and repave affected areas following completion of construction. Route any surface drainage to the WWTP headworks.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
I. <u>HYDROLOGY AND WATER QUALITY</u>						
Would the Project:						
1) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) 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 preexisting nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6, 16
3) 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 that would result in substantial erosion or siltation on or off site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4) 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 that would result in flooding on or off site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
5) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6, 16
6) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
7) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
8) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,16
9) Expose people or structures to a significant risk of loss, injury or death involving flooding as a result of the failure of a levee or dam, or inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria I1, I3, I4, I6, I7, I9

The proposed Project will not violate any water quality standards or waste discharge requirements, increase runoff volumes, or substantially degrade water quality as any drainage water or extracted groundwater (with or without treatment) will be conveyed to the WWTP headworks (Criteria I1 and I6); the drainage pattern of the site will not be altered (Criteria I3 and I4); and Criteria I7 and I9 are not relevant to the proposed Project. No impacts relative to the Wild and Scenic Rivers Act or the Safe Drinking Water Act will occur.

Less-Than-Significant Impacts: Criteria I2 and I8

Criterion I2: Groundwater Depletion

Because groundwater levels at the Alvarado WWTP site are generally 6 to 8 feet bgs, and excavations would be limited to about 4.5 feet below grade, groundwater should not be encountered if excavation occurs in the summer or a dry winter. If groundwater is encountered, the Contractor would comply with USD Standard Specifications for dewatering and any necessary pretreatment prior to discharge to the plant headworks (Control Measure I1).¹⁶ Local groundwater is of poor quality and not beneficially used. Use of the dewatering system would be temporary and only affect a small localized area, and would not substantially deplete groundwater supplies. The impact is less than significant.

Criterion I5: Polluted Runoff

Soil erosion was discussed in Section F, Criterion F2. Control Measure I2 (F3) provides for use of temporary erosion control measures during demolition and construction and repaving of affected areas when construction is completed. The Alvarado WWTP site is contained. Any surface drainage would be managed with the WWTP drainage system and routed to the plant headworks.¹⁶ No discharge of contaminated materials into public drainage facilities will occur. Impacts related to polluted runoff are less than significant.

Criterion 18: Alteration of Flood Flows

The WWTP site is within the 100-year flood plain, but new structures, as discussed in the Project Description, will not impede or redirect flood flows. The proposed Project is largely the replacement and renovation of existing mechanical, electrical, and instrumentation equipment that support the sludge thickening process at the Alvarado WWTP. As shown on Figure 3, a new electrical building with dimensions of about 12 feet wide, 20 feet long, and 10 feet high will be constructed. The existing thickener control building with dimensions of 50 feet long, 30 feet wide, and 16 feet high will be demolished and in its place will be constructed a new thickener control area with access platform, concrete slab, mechanical equipment, and piping. Thus, there will be a balance between the structures removed and structures added on a very small scale. The impact related to alteration of flood flows is less than significant and the Project would not conflict with Flood Plain Management Executive Order 11988.

Mitigation Measures

None required.

J. LAND USE AND PLANNING

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
J. <u>LAND USE AND PLANNING</u>						
Would the Project:						
1) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6,22,23
3) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria J1-J3

The Project will not divide an established community (Criterion J1) or conflict with any land use plans and policies (Criterion J2), and will not conflict with any applicable habitat conservation plan or natural community conservation plan (Criterion J3).

Relative to Criterion J2 and the Coastal Zone Management Act of 1972, the Project site is not within the coastal zone as defined in the federal Coastal Zone Management Act or California's Coastal Act of 1976. The Bay Conservation and Development Commission (BCDC) retains oversight and planning responsibilities of coastal resources within the Bay Area with a jurisdictional area defined as the band of land 100 feet shoreward from the line of highest tidal action, and specified tributary creeks.²² The Project site is not within BCDC's area of jurisdiction, although jurisdictional areas exist to the west of the WWTP. In addition, since there is no designated coastal barrier resources system in California, the Project has no conflicts with the Coastal Barriers Resources Act.²³

Mitigation Measures

None required.

K. MINERAL RESOURCES

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
K. MINERAL RESOURCES						
Would the Project:						
1) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, 6
2) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, 6

No Impacts: Criteria K1, K2

The Project will have no impact relative to known mineral resources.

Mitigation Measures

None required.

L. NOISE

SETTING

Figure 2 shows the land uses surrounding the Alvarado WWTP and the Project location. The closest noise-sensitive residential land use is about 1,160 feet east from where proposed Project activities will occur. USD's existing Conditional Use Permit (UP-5-95) with Union City (City) limits construction activity at the WWTP during the following hours:

Monday through Friday	8:00 a.m. to 8:00 p.m.
Saturday	9:00 a.m. to 8:00 p.m.
Sundays and holidays	10:00 a.m. to 6:00 p.m.

Any construction activity occurring outside of these hours would need to meet the requirements of the City's Noise Ordinance. Construction noise limitations would include the following:¹⁷

- A. No individual piece of equipment shall produce a noise level exceeding 83 decibels (dBA) at a distance of 25 feet. If the device is housed within a structure on the property, the measurement shall be made outside the structure at a distance as close to 25 feet from the equipment as possible.
- B. The noise level at any point outside the property plane of the project shall not exceed 86 dBA.

Relative to operational noise limits for commercial and industrial property, "no person shall produce, suffer, or allow to be produced by any machine or device, or any combination of same, on commercial or industrial property, a noise level more than 12 dBA above the local ambient at any point outside of the property line."²⁴

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- L1. Limit working hours from 8 a.m. to 5 p.m. on weekdays. Work hours beyond these limits must be approved by USD.
- L2. Comply with the provisions of the Use Permit UP-5-95 and the City's Noise Ordinance as necessary.

- L3. Equip internal combustion engines with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated without said muffler.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
L. NOISE						
Would the Project result in:						
1) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,24
2) Exposure of persons to, or generation of, excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,24
3) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,24
4) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,24
5) For a project located within an airport land use plan or, where such a plan has not been adopted, within 2 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria L5, L6

The Project site is not located near an airport and will have no impact relative to these criteria.

Less-Than-Significant Impacts: Criteria L1 - L4

Demolition and construction noise sources are associated with the proposed Project. In general, during demolition and construction, the types of equipment to be used include flat bed trucks for equipment delivery; a backhoe; dump trucks for demolished material, backfill, and asphalt pavement delivery; compaction equipment (vibratory plates); a truck crane; a paving machine, roller, and bobcat; and an air compressor.¹⁶ Pile driving will not be necessary. Use of this equipment will result in some short-term noise levels along haul routes and near the zone of activity at the primary Project location.

Because demolition and construction activities would be confined to less sensitive daytime hours (Control Measure L1) in compliance with Use Permit UP-5-95, increases in existing noise levels are considered to be less than significant. Additionally, Control Measure L2 provides for compliance with the City's Noise Ordinance if work activities extend beyond specified work hours, and Control Measure L3 requires use of mufflers on all internal combustion engines. The impact associated with increased new temporary noise increases due to demolition and construction activities is less than significant. There are no new operational noise sources associated with the Project.

Mitigation Measures

None required.

M. POPULATION AND HOUSING

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
M. <u>POPULATION AND HOUSING</u>						
Would the Project:						
1) Cumulatively exceed official regional or local population protections?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) Substantially change the demographics in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
3) Induce substantial population growth in an area, either directly (for example, by proposing new homes and business) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4) Substantially alter the location, distribution, or density of the area's population?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
5) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
7) Conflict with adopted housing elements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria M1-M7

The Project will replace selected mechanical, electrical, and instrumentation equipment to improve the performance and reliability of the sludge thickening process at the existing Alvarado WWTP. Criteria M1-M7 are not relevant to the proposed Project. Relative to environmental justice, the Project does not involve an activity that is likely to be of particular interest to or have a particular impact upon minority, low-income, or indigenous populations, or tribes.

Mitigation Measures

None required.

N. PUBLIC SERVICES

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
N. PUBLIC SERVICES Would the Project:						
1) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, the construction of which would 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
e) Electrical power or natural gas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
f) Communication?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
g) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria N1a-N1g

These significance criteria are not relevant to the proposed Project.

Mitigation Measures

None required.

O. RECREATION

IMPACT ANALYSIS

Control Measures Incorporated by USD.

None.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
O. RECREATION Would the Project:						
1) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) Include recreational facilities or require the construction of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria O1 and O2

These significance criteria are not relevant to the proposed Project.

Mitigation Measures

None required.

P. TRANSPORTATION/TRAFFIC

IMPACT ANALYSIS

Control Measures Incorporated by USD.

- P1. Consult with the City regarding preferred truck haul routes to be used during Project demolition and construction.
- P2. Implement Control Measure H8 which restricts construction traffic access within the WWTP.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
P. TRANSPORTATION/TRAFFIC						
Would the Project:						
1) 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 components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,6
2) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,6
3) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g. farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
5) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
6) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria P3, P4, P6

These criteria are not relevant to the proposed Project.

Less-Than-Significant Impacts: Criteria P1, P2, P5

Criteria P1, P2: Increased Traffic

Increased traffic generation will occur during the demolition and construction phases of the Project. Traffic will be associated with workers, equipment delivering, and transport of materials and supplies. The amount of truck traffic will vary on a daily basis but it is expected 10 trucks (20 truck trips) will access the Project site on a typical day.⁵ Control Measure P1 requires consultation with the City regarding preferred truck routes. The impacts associated with increased traffic generation are less than significant.

Criterion P5: Emergency Access

Emergency access was discussed in section H, Hazards and Hazardous Materials. Control Measure P2 (H8) restricts construction traffic access within the WWTP for the proposed Project. The impact is less than significant.

Mitigation Measures

None required.

Q. UTILITIES AND SERVICE SYSTEMS

IMPACT ANALYSIS

Control Measures Incorporated by USD.

Q1. Recycle demolition debris off site.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
Q. UTILITIES AND SERVICE SYSTEMS						
Would the Project:						
1) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
3) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
4) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
5) Result in a determination by the wastewater 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
6) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
7) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria Q1-Q5

Criteria Q1-Q5 are not relevant to the proposed Project.

Less-Than-Significant Impacts: Criteria Q6, Q7

Criteria Q6 and Q7: Solid Waste

Demolition activities will generate debris having recyclable value. The Contractor will recycle these materials off site (Control Measure Q1). Demolition materials and construction debris that cannot be recycled will be disposed of at a permitted landfill. Compliance with solid waste regulations will be maintained. The impact relative to permitted capacity (Criterion Q6) and compliance with solid waste regulations (Criterion Q7) is less than significant.

Mitigation Measures

None required.

R. MANDATORY FINDINGS OF SIGNIFICANCE

IMPACT ANALYSIS

Control Measures Incorporated by USD.

R1. Implement Control Measures H1-H10.

Significance Criteria

RESOURCE CATEGORY / SIGNIFICANCE CRITERIA	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Beneficial Impact	Information Sources
R. MANDATORY FINDINGS OF SIGNIFICANCE						
1) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
2) 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 current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6
3) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6

No Impacts: Criteria R1, R2

Relative to Criterion R1, there will be no impacts relative to biological and historical resources (see Sections D and E). Demolition and construction activities will be confined to the Project location within the Alvarado WWTP (Figure 3). The Contractor's work activities will be regulated by the Contract Documents, an objective of which is to provide continuity between the Contractor's day-to-day activities, ongoing WWTP operations, and other construction activities

that will be occurring or planned within the plant site. No cumulative impacts will occur (Criterion R2).

Less-Than-Significant Impacts: Criterion R3

Criterion R3 relates to adverse effects on human beings. Relative to worker safety, Control Measures H1-H10 have been included in the Project to address the physical and chemical hazards associated with Project activities. The impact is less than significant.

Mitigation Measures

None required.

CHECKLIST INFORMATION AND REFERENCE SOURCES

1. Union City General Plan Land Use Diagram, Adopted February 15, 2002, Revised November 26, 2007.
2. Union City Zoning Ordinance Zoning Map, Adopted July 13, 2004, Revised July 2006.
3. Union City 511 Area Specific Plan, Approved by City Council on September 14, 1997.
4. Carollo Engineering. Preliminary Design Report Update, Thickener Control Building Improvements Project. May 2012.
5. Ric Pipkin. Union Sanitary District. September 19, 2012.
6. Professional judgment and expertise of the environmental specialist preparing this assessment, based upon a review of the site and surrounding conditions, and review of the Project description information.
7. BAAQMD, Bay Area 2010 Clean Air Plan, Adopted September 15, 2010.
8. BAAQMD, California Environmental Quality Act Air Quality Guidelines, May 2011.
9. BAAQMD, Screening Tables for Air Toxics Evaluation During Construction, May 2010.
10. City of Union City, Union City Climate Action Plan, November 2010.
11. California Natural Diversity Data Base. Record search of Newark USGS 7.5' Quadrangle. October 2, 2012.
12. USFWS. Species List for USD Thickener Control Building Improvements Project. September 11, 2012.
13. ESA. Program EIR for USD's District-wide Master Plan. January 7, 1994.
14. NWIC, Sonoma State University. Record Search for the USD Primary Clarifier Rehabilitation Project. February 6, 2009.
15. DCM Engineering. Soil Boring Map and Geotechnical Cross Section, USD Secondary Digester Modification Project. September 2005.
16. Ric Pipkin. Union Sanitary District. October 4, 2012.
17. Brown and Caldwell Alvarado Wastewater Treatment Plant Annual Groundwater Monitoring Report, 2011. December 27, 2011.
18. <http://geotracker.waterboards.ca.us>

19. <http://www.rivers.gov/rivers/california.php>
20. Federal Emergency Management Agency, Flood Insurance Rate Map, Community Panel Number 429 of 725, Map No. 06001C0429G, Effective Date August 3, 2009.
21. <http://epa.gov/region09/water/groundwater/ssa.html>
22. BCDC. San Francisco Bay Plan, as amended. May 11, 1994.
23. SWRCB, Division of Financial Assistance. Clean Water State Revolving Fund Program Instructions and Guidance for "Environmental Compliance Information." June 26, 2012.
24. Union City Noise Ordinance 275-86 1 (part), 1986.
25. BAAQMD. Permit to Operate for Alvarado WWTP, Plant #1209, Expires August 1, 2011 (under revision))

APPENDIX A
AIR EMISSION CALCULATION DETAILS

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\USD-Thickener Bldg Proj\Emissions\URBEMIS\USD-Thick.urb924

Project Name: Union Sanitary District - Thickener Control Building project

Project Location: Alameda County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2014 TOTALS (lbs/day unmitigated)	0.73	6.16	4.02	0.00	0.95	0.35	1.18	0.20	0.32	0.41	891.68
2015 TOTALS (lbs/day unmitigated)	2.20	1.41	1.66	0.00	0.00	0.09	0.09	0.00	0.08	0.08	273.45

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
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10/14/2012 11:49:30 PM

Time Slice 3/3/2014-4/30/2014

Active Days: 43

Fine Grading 03/03/2014-
04/30/2014

Fine Grading Dust

Fine Grading Off Road Diesel

Fine Grading On Road Diesel

Fine Grading Worker Trips

Time Slice 5/1/2014-5/30/2014

Active Days: 22

Asphalt 05/01/2014-05/31/2014

Paving Off-Gas

Paving Off Road Diesel

Paving On Road Diesel

Paving Worker Trips

Time Slice 6/2/2014-8/29/2014

Active Days: 65

Building 06/02/2014-08/29/2014

Building Off Road Diesel

Building Vendor Trips

Building Worker Trips

0.73	5.16	3.67	0.00	0.51	0.32	0.83	0.11	0.29	0.40	<u>891.68</u>
0.73	5.16	3.67	0.00	0.51	0.32	0.83	0.11	0.29	0.40	891.68
0.00	0.00	0.00	0.00	0.50	0.00	0.50	0.10	0.00	0.10	0.00
0.66	5.27	2.96	0.00	0.00	0.29	0.29	0.00	0.26	0.26	653.33
0.06	0.86	0.29	0.00	0.01	0.03	0.04	0.00	0.03	0.03	187.26
0.01	0.02	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.10
0.69	4.42	<u>4.02</u>	0.00	0.00	<u>0.35</u>	0.35	0.00	<u>0.32</u>	0.32	582.40
0.69	4.42	4.02	0.00	0.00	0.35	0.35	0.00	0.32	0.32	582.40
0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.66	4.36	3.38	0.00	0.00	0.34	0.34	0.00	0.32	0.32	500.34
0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.43
0.02	0.03	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	76.64
0.15	1.12	1.25	0.00	0.00	0.05	0.06	0.00	0.05	0.05	227.77
0.15	1.12	1.25	0.00	0.00	0.05	0.06	0.00	0.05	0.05	227.77
0.12	0.90	0.77	0.00	0.00	0.05	0.05	0.00	0.04	0.04	130.80
0.02	0.21	0.17	0.00	0.00	0.01	0.01	0.00	0.01	0.01	59.58
0.01	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.39

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Time Slice 9/1/2014-11/28/2014
Active Days: 65Demolition 09/01/2014-
11/30/2014

Fugitive Dust

Demo Off Road Diesel

Demo On Road Diesel

Demo Worker Trips

Time Slice 12/1/2014-12/31/2014
Active Days: 23

Building 12/01/2014-05/30/2015

Building Off Road Diesel

Building Vendor Trips

Building Worker Trips

Time Slice 1/1/2015-5/29/2015
Active Days: 107

Building 12/01/2014-05/30/2015

Building Off Road Diesel

Building Vendor Trips

Building Worker Trips

0.47	3.30	2.88	0.00	<u>0.95</u>	0.23	<u>1.18</u>	<u>0.20</u>	0.21	<u>0.41</u>	488.14
0.47	3.30	2.88	0.00	0.95	0.23	1.18	0.20	0.21	0.41	489.14
0.00	0.00	0.00	0.00	0.95	0.00	0.95	0.20	0.00	0.20	0.00
0.43	2.89	2.33	0.00	0.00	0.22	0.22	0.00	0.20	0.20	364.17
0.03	0.39	0.13	0.00	0.00	0.01	0.02	0.00	0.01	0.01	83.88
0.01	0.02	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.10
0.30	1.55	1.71	0.00	0.00	0.09	0.10	0.00	0.08	0.09	273.44
0.30	1.55	1.71	0.00	0.00	0.09	0.10	0.00	0.08	0.09	273.44
0.28	1.32	1.24	0.00	0.00	0.08	0.08	0.00	0.08	0.08	176.47
0.02	0.21	0.17	0.00	0.00	0.01	0.01	0.00	0.01	0.01	59.58
0.01	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.39
0.28	<u>1.41</u>	<u>1.66</u>	0.00	0.00	<u>0.09</u>	<u>0.09</u>	0.00	<u>0.08</u>	<u>0.08</u>	<u>273.45</u>
0.28	1.41	1.66	0.00	0.00	0.09	0.09	0.00	0.08	0.08	273.45
0.25	1.21	1.22	0.00	0.00	0.08	0.08	0.00	0.07	0.07	176.47
0.02	0.19	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	59.58
0.01	0.01	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.40

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Time Slice 6/1/2015-7/31/2015
Active Days: 45

Building 06/01/2015-12/30/2015	2.20	0.74	1.01	0.00	0.00	0.04	0.04	0.00	0.03	0.04	166.16
Building Off Road Diesel	0.12	0.74	1.00	0.00	0.00	0.04	0.04	0.00	0.03	0.04	163.69
Building Vendor Trips	0.10	0.54	0.56	0.00	0.00	0.03	0.03	0.00	0.03	0.03	66.70
Building Worker Trips	0.02	0.19	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	59.58
Coating 06/01/2015-07/31/2015	0.01	0.01	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.40
Architectural Coating	2.07	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47
Coating Worker Trips	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Time Slice 8/3/2015-12/30/2015	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.47
Active Days: 108	0.12	0.74	1.00	0.00	0.00	0.04	0.04	0.00	0.03	0.04	163.69
Building 06/01/2015-12/30/2015	0.12	0.74	1.00	0.00	0.00	0.04	0.04	0.00	0.03	0.04	163.69
Building Off Road Diesel	0.10	0.54	0.56	0.00	0.00	0.03	0.03	0.00	0.03	0.03	66.70
Building Vendor Trips	0.02	0.19	0.16	0.00	0.00	0.01	0.01	0.00	0.01	0.01	59.58
Building Worker Trips	0.01	0.01	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.40

Phase Assumptions

Phase: Demolition 9/1/2014 - 11/30/2014 - Demolition Thickener Control Bldg

Building Volume Total (cubic feet): 24000

Building Volume Daily (cubic feet): 2250

On Road Truck Travel (VMT): 20.83

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 4 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Fine Grading 3/3/2014 - 4/30/2014 - Excavation and Trenching

Total Acres Disturbed: 0.2

Maximum Daily Acreage Disturbed: 0.05

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Fugitive Dust Level of Detail: Default

10 lbs per acre-day

On Road Truck Travel (VMT): 46.51

Off-Road Equipment:

1 Other General Industrial Equipment (250 hp) operating at a 0.51 load factor for 4 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Paving 5/1/2014 - 5/31/2014 - Backfill and Paving

Acres to be Paved: 0.1

Off-Road Equipment:

1 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 4 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Building Construction 6/2/2014 - 8/29/2014 - New Electrical Building

Off-Road Equipment:

1 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

Phase: Building Construction 12/1/2014 - 5/30/2015 - Thickener Control Area

Off-Road Equipment:

1 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

1 Welders (45 hp) operating at a 0.45 load factor for 4 hours per day

Phase: Building Construction 6/1/2015 - 12/30/2015 - Electrical & Control Equip & Startup

Off-Road Equipment:

1 Skid Steer Loaders (44 hp) operating at a 0.55 load factor for 4 hours per day

Phase: Architectural Coating 6/1/2015 - 7/31/2015 - Architectural Coating

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\USD-Thickener Bldg Proj\Emissions\URBEMIS\USD-Thick.urb924

Project Name: Union Sanitary District - Thickener Control Building project

Project Location: Alameda County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2014 TOTALS (tons/year unmitigated)	0.05	0.34	0.28	0.00	0.04	0.02	0.06	0.01	0.02	0.03	52.02
2015 TOTALS (tons/year unmitigated)	0.07	0.13	0.17	0.00	0.00	0.01	0.01	0.00	0.01	0.01	27.21

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2014	0.05	0.34	0.28	0.00	0.04	0.02	0.06	0.01	0.02	0.03	52.02

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Fine Grading 03/03/2014-04/30/2014	0.02	0.13	0.08	0.00	0.01	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.01	19.17
Fine Grading Dust	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Off Road Diesel	0.01	0.11	0.06	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.01	14.05
Fine Grading On Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.03
Fine Grading Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10
Asphalt 05/01/2014-05/31/2014	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.41
Paving Off-Gas	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
Paving Off Road Diesel	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.50
Paving On Road Diesel	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	0.06
Paving Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84
Building 05/02/2014-08/29/2014	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40
Building Off Road Diesel	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.25
Building Vendor Trips	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94
Building Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22
Demolition 09/01/2014-11/30/2014	0.02	0.11	0.09	0.00	0.03	0.03	0.01	0.00	0.04	0.01	0.01	0.01	0.01	0.01	0.01	15.90
Fugitive Dust	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.01	0.09	0.08	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01	11.51
Demo On Road Diesel	0.00	0.01	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	2.73
Demo Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.66
Building 12/01/2014-05/30/2015	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.14
Building Off Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03
Building Vendor Trips	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	0.69
Building Worker Trips	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	0.43

[illegible]

Phase Assumptions

Phase: Demolition 9/1/2014 - 11/30/2014 - Demolition Thickener Control Bldg

Building Volume Total (cubic feet)- 24000

Building Volume Daily (cubic feet): 2250

On Road Truck Travel (VMT): 20.83

Off-Road Equipment:

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1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Fine Grading 3/3/2014 - 4/30/2014 - Excavation and Trenching

Total Acres Disturbed: 0.2

Maximum Daily Acreage Disturbed: 0.05

Fugitive Dust Level of Detail: Default

10 lbs per acre-day

Page: 4

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On Road Truck Travel (VMT): 46.51

Off-Road Equipment:

1 Other General Industrial Equipment (250 hp) operating at a 0.51 load factor for 4 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Paving 5/1/2014 - 5/31/2014 - Backfill and Paving

Acres to be Paved: 0.1

Off-Road Equipment:

1 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

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1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Building Construction 6/2/2014 - 8/29/2014 - New Electrical Building

Off-Road Equipment:

1 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

Phase: Building Construction 12/1/2014 - 5/30/2015 - Thickener Control Area

Off-Road Equipment:

1 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

1 Welders (45 hp) operating at a 0.45 load factor for 4 hours per day

Phase: Building Construction 6/1/2015 - 12/30/2015 - Electrical & Control Equip & Startup

Off-Road Equipment:

1 Skid Steer Loaders (44 hp) operating at a 0.55 load factor for 4 hours per day

Phase: Architectural Coating 6/1/2015 - 7/31/2015 - Architectural Coating

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

APPENDIX B
USFWS SPECIES LIST



United States Department of the Interior
FISH AND WILDLIFE SERVICE
Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W-2605
Sacramento, California 95825



September 11, 2012

Document Number: 120911125139

Paul Scheidegger
Scheidegger & Associates
P.O. Box 331
Danville, CA 94526

Subject: Species List for Thickener Control Building Improvements Project

Dear: Mr.

We are sending this official species list in response to your September 11, 2012 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be December 10, 2012.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found [here](#).

Endangered Species Division



U.S. Fish & Wildlife Service
Sacramento Fish & Wildlife Office
Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the Counties and/or
U.S.G.S. 7 1/2 Minute Quads you requested

Document Number: 120911125139

Database Last Updated: September 18, 2011

Quad Lists

Listed Species

Invertebrates

- Branchinecta lynchi*
vernal pool fairy shrimp (T)
- Lepidurus packardii*
vernal pool tadpole shrimp (E)

Fish

- Acipenser medirostris*
green sturgeon (T) (NMFS)
- Hypomesus transpacificus*
delta smelt (T)
- Oncorhynchus kisutch*
coho salmon - central CA coast (E) (NMFS)
- Oncorhynchus mykiss*
Central California Coastal steelhead (T) (NMFS)
Central Valley steelhead (T) (NMFS)
Critical habitat, Central California coastal steelhead (X) (NMFS)
- Oncorhynchus tshawytscha*
Central Valley spring-run chinook salmon (T) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

- Ambystoma californiense*
California tiger salamander, central population (T)
- Rana draytonii*
California red-legged frog (T)
Critical habitat, California red-legged frog (X)

Reptiles

- Masticophis lateralis euryxanthus*
Alameda whipsnake [=striped racer] (T)
Critical habitat, Alameda whipsnake (X)

Birds

- Charadrius alexandrinus nivosus*
western snowy plover (T)
- Pelecanus occidentalis californicus*

California brown pelican (E)

Rallus longirostris obsoletus

California clapper rail (E)

Sternula antillarum (= *Sterna*, = *albifrons*) *browni*

California least tern (E)

Mammals

Reithrodontomys raviventris

salt marsh harvest mouse (E)

Plants

Lasthenia conjugens

Contra Costa goldfields (E)

Quads Containing Listed, Proposed or Candidate Species:

NEWARK (447D)

County Lists

Alameda County

Listed Species

Invertebrates

Branchinecta conservatio

Conservancy fairy shrimp (E)

Branchinecta longiantenna

Critical habitat, longhorn fairy shrimp (X)

longhorn fairy shrimp (E)

Branchinecta lynchi

Critical habitat, vernal pool fairy shrimp (X)

vernal pool fairy shrimp (T)

Desmocerus californicus dimorphus

valley elderberry longhorn beetle (T)

Euphydryas editha bayensis

bay checkerspot butterfly (T)

Icaricia icaroides missionensis

mission blue butterfly (E)

Lepidurus packardii

Critical habitat, vernal pool tadpole shrimp (X)

vernal pool tadpole shrimp (E)

Speyeria callippe callippe

callippe silverspot butterfly (E)

Fish

Acipenser medirostris

green sturgeon (T) (NMFS)

Eucyclogobius newberryi

tidewater goby (E)

Hypomesus transpacificus

Critical habitat, delta smelt (X)

delta smelt (T)

Oncorhynchus kisutch

coho salmon - central CA coast (E) (NMFS)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)

Critical habitat, Central California coastal steelhead (X) (NMFS)

Critical habitat, Central Valley steelhead (X) (NMFS)

Oncorhynchus tshawytscha

Central Valley spring-run chinook salmon (T) (NMFS)

Critical habitat, winter-run chinook salmon (X) (NMFS)

winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense

California tiger salamander, central population (T)

Critical habitat, CA tiger salamander, central population (X)

Rana draytonii

California red-legged frog (T)

Critical habitat, California red-legged frog (X)

Reptiles

Masticophis lateralis euryxanthus

Alameda whipsnake [=striped racer] (T)

Critical habitat, Alameda whipsnake (X)

Thamnophis gigas

giant garter snake (T)

Thamnophis sirtalis tetrataenia

San Francisco garter snake (E)

Birds

Charadrius alexandrinus nivosus
western snowy plover (T)

Pelecanus occidentalis californicus
California brown pelican (E)

Rallus longirostris obsoletus
California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni
California least tern (E)

Mammals

Reithrodontomys raviventris
salt marsh harvest mouse (E)

Vulpes macrotis mutica
San Joaquin kit fox (E)

Plants

Amsinckia grandiflora
Critical habitat, large-flowered fiddleneck (X)
large-flowered fiddleneck (E)

Arctostaphylos pallida
pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

Chorizanthe robusta var. *robusta*
robust spineflower (E)

Clarkia franciscana
Presidio clarkia (E)

Cordylanthus palmatus
palmate-bracted bird's-beak (E)

Holocarpha macradenia
Critical habitat, Santa Cruz tarplant (X)
Santa Cruz tarplant (T)

Lasthenia conjugens
Contra Costa goldfields (E)
Critical habitat, Contra Costa goldfields (X)

Layia carnosa
beach layia (E)

Suaeda californica
California sea blite (E)

Key:

- (E) *Endangered* - Listed as being in danger of extinction.
- (T) *Threatened* - Listed as likely to become endangered within the foreseeable future.
- (P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.
- (NMFS) Species under the Jurisdiction of the [National Oceanic & Atmospheric Administration Fisheries Service](#). Consult with them directly about these species.
- Critical Habitat* - Area essential to the conservation of a species.
- (PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.
- (C) *Candidate* - Candidate to become a proposed species.
- (V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.
- (X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

Surveying

Some of the species on your list may not be affected by your project. A trained biologist and/or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list. See our [Protocol](#) and [Recovery Permits](#) pages.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal [consultation](#) with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our [Map Room](#) page.

Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning

process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of this office at (916) 414-6520.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be December 10, 2012.

APPENDIX C

**RECORD SEARCH FOR THE UNION SANITARY DISTRICT
PRIMARY CLARIFIER REHABILITATION PROJECT
FEBRUARY 6, 2009**



February 6, 2009

NWIC File No.: 08-0772

Paul Scheidegger
Scheidegger & Associates
P.O. Box 331
Danville, CA 94526

Re: Record search results for the Union Sanitary District Primary Clarifier
Rehabilitation Project

Dear Mr. Scheidegger:

Per your request received by our office on 6 January 2009, a records search was conducted for the above referenced project by reviewing pertinent Northwest Information Center (NWIC) data maps, historic-period maps, and literature for Alameda County on file at this office. Review of this information indicates that the proposed project area contains no recorded Native American or historic-period archaeological resources. This office has record of two cultural resources study covering 100% of the project area: S-13769 (Origer 1992) and S-14619 (Chavez 1992). Both resulted in negative findings for the proposed project area. State and federal inventories list no properties within the proposed project area.

At the time of Euroamerican contact the Native Americans that lived in the area were speakers of the Costanoan/Ohlone language, part of the Utian language family (Levy 1978:485). There are no Native American resources in or adjacent to the proposed project area referenced in the ethnographic literature.

Based on an evaluation of the environmental setting and features associated with known sites, Native American cultural resources in this part of Alameda County have been found on elevated landforms in close proximity to the bay margin and its associated wetlands, near sources of water (including perennial and intermittent stream or springs), and near the upland/bay margin transition zone. The Union Sanitary District Rehabilitation project area is located on poorly draining soils, amidst historic tidal marsh, on land reclaimed in modern times. Given these environmental factors, coupled with the scope of the proposed project, there is a low likelihood that unrecorded Native American cultural resources exist in the proposed Union Sanitary District Rehabilitation project area.

Review of historical literature and maps gave no indication of historic-period archaeological resources within the project area. With this in mind, there is a low possibility of identifying historic-period archaeological resources in the proposed Union Sanitary District Rehabilitation project area.

RECOMMENDATIONS:

1) There is a low possibility of identifying Native American and historic-period sites and further study for archaeological resources is not recommended at this time.

2) If cultural resources are encountered during the project, avoid altering the materials and their context until a cultural resource consultant has evaluated the situation. Project personnel should not collect cultural resources. Prehistoric resources include chert or obsidian flakes, projectile points, mortars, and pestles; and dark friable soil containing shell and bone dietary debris, heat-affected rock, or human burials. Historic-period resources include stone or adobe foundations or walls; structures and remains with square nails; and refuse deposits or bottle dumps, often located in old wells or privies.

3) Review for possible historic structures has included only those sources listed in the attached bibliography and should not be considered comprehensive. The Office of Historic Preservation has determined that buildings, structures, and objects 45 years or older may be of historical value. ***If the area of potential effect contains such properties we recommend that the agency responsible for Section 106 compliance consult with the Office of Historic Preservation regarding potential impacts to these potential properties.***

Project Review and Compliance Unit
Office of Historic Preservation
P.O. Box 942896
Sacramento, CA 94296-0001
(916) 653-6624

4) It is recommended that any identified cultural resources be recorded on DPR 523 historic resource recordation forms, available online from the Office of Historic Preservation's website: http://ohp.parks.ca.gov/default.asp?page_id=1069.

Thank you for using our services. Please contact this office if you have any questions, (707) 664-0880.

Sincerely,



Bryan Much
Assistant Coordinator

LITERATURE REVIEWED

In addition to archaeological maps and site records on file at the Historical Resources Information System, Northwest Information Center, the following literature was reviewed:

Bowman, J.N.

- 1951 *Adobe Houses in the San Francisco Bay Region*. In *Geologic Guidebook of the San Francisco Bay Counties*, Bulletin 154. California Division of Mines, Ferry Building, San Francisco.

Chavez, David

- 1992 *Archaeological Resources Investigations for the Union Sanitary District Master Plan EIR, Alameda County, California*. S-14619. Report on file at the Northwest Information Center, Rohnert Park, CA.

Cook, S.F.

- 1957 *The Aboriginal Population of Alameda and Contra Costa Counties*. University of California Anthropological Records 16(4):131-156. Berkeley and Los Angeles.

Fickewirth, Alvin A.

- 1992 *California Railroads*. Golden West Books, San Marino, CA.

Gudde, Erwin G.

- 1969 *California Place Names: The Origin and Etymology of Current Geographical Names*. Third Edition. University of California Press, Berkeley and Los Angeles.

Hart, James D.

- 1987 *A Companion to California*. University of California Press, Berkeley and Los Angeles.

Heizer, Robert F., editor

- 1974 *Local History Studies*, Vol. 18., "The Costanoan Indians." California History Center, DeAnza College, Cupertino, CA.

Helley, E.J., K.R. Lajoie, W.E. Spangle, and M.L. Blair

- 1979 *Flatland Deposits of the San Francisco Bay Region - Their Geology and Engineering Properties, and Their Importance to Comprehensive Planning*. Geological Survey Professional Paper 943. United States Geological Survey and Department of Housing and Urban Development.

Hoover, Mildred Brooke, Hero Eugene Rensch, and Ethel Rensch, revised by William N. Abeloe

- 1966 *Historic Spots in California*. Third Edition. Stanford University Press, Stanford.

Hoover, Mildred Brooke, Hero Eugene Rensch, and Ethel Rensch, William N. Abeloe, revised by Douglas E. Kyle

- 1990 *Historic Spots in California*. Fourth Edition. Stanford University Press, Stanford.

Kroeber, A.L.

- 1925 *Handbook of the Indians of California*. Bureau of American Ethnology, Bulletin 78, Smithsonian Institution, Washington, D.C. (Reprint by Dover Publications, Inc., New York, 1976).

Levy, Richard

- 1978 Costanoan. In *California*, edited by Robert F. Heizer, pp. 485-495. Handbook of North American Indians, vol. 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Milliken, Randall

- 1995 *A Time of Little Choice: The Disintegration of Tribal Culture in the San Francisco Bay Area 1769-1810*. Ballena Press Anthropological Papers No. 43, Menlo Park.

Myers, William A. (editor)

- 1977 *Historic Civil Engineering Landmarks of San Francisco and Northern California*. Prepared by The History and Heritage Committee, San Francisco Section, American Society of Civil Engineers. Pacific Gas and Electric Company, San Francisco.

Nelson, N.C.

- 1909 *Shellmounds of the San Francisco Bay Region*. University of California Publications in American Archaeology and Ethnology 7(4):309-356. Berkeley. (Reprint by Kraus Reprint Corporation, New York, 1964)

Nichols, Donald R., and Nancy A. Wright

- 1971 Preliminary Map of Historic Margins of Marshland, San Francisco Bay, California. U.S. Geological Survey Open File Map. U.S. Department of the Interior, Geological Survey in cooperation with the U.S. Department of Housing and Urban Development, Washington, D.C.

Origer, Thomas M.

- 1992 *An Archaeological Survey for the Union Sanitary District Alvarado Wastewater Treatment Plant Upgrade Project, Union City, Alameda County, California*. S-13769. Report on file at the Northwest Information Center, Rohnert Park, CA.

Roberts, George, and Jan Roberts

- 1988 *Discover Historic California*. Gem Guides Book Co., Pico Rivera, California.

State of California Department of Parks and Recreation

- 1976 *California Inventory of Historic Resources*. State of California Department of Parks and Recreation, Sacramento.

State of California Department of Parks and Recreation and Office of Historic Preservation

- 1988 *Five Views: An Ethnic Sites Survey for California*. State of California Department of Parks and Recreation and Office of Historic Preservation, Sacramento.

State of California Office of Historic Preservation **

- 2008 *Historic Properties Directory*. Listing by City (through December 2008). State of California Office of Historic Preservation, Sacramento.

Thompson & West

1878 Official and Historical Atlas Map of Alameda County, California. Thompson & West, Oakland. (Reprint by Valley Publishers, Fresno, 1976)

Williams, James C.

1997 *Energy and the Making of Modern California*. The University of Akron Press, Akron OH.

Woodbridge, Sally B.

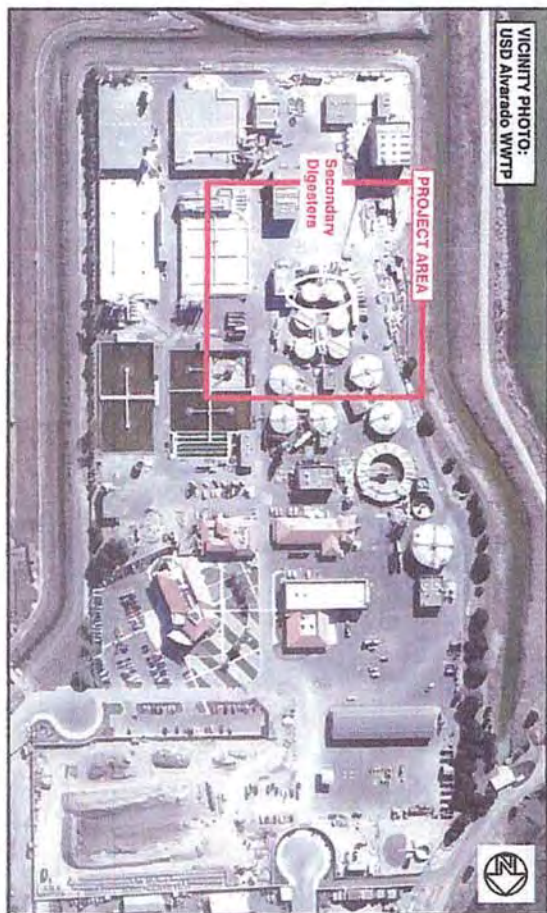
1988 *California Architecture: Historic American Buildings Survey*. Chronicle Books, San Francisco.

Works Progress Administration

1984 *The WPA Guide to California*. Reprint by Pantheon Books, New York. (Originally published as *California: A Guide to the Golden State* in 1939 by Books, Inc., distributed by Hastings House Publishers, New York.)

****Note that the Office of Historic Preservation's *Historic Properties Directory* Includes National Register, State Registered Landmarks, and Historic Points of Interest.**

APPENDIX D
GEOTECHNICAL CROSS SECTION



- LEGEND:**
- B-1 - Approximate location of project geotechnical boring
 - RB-1 - Approximate location of reference geotechnical boring
 - C - Approximate location of project geotechnical cross section
 - A - Approximate location of reference geotechnical cross section



DCM Engineering

FILE NO. J-4944-1

SEPTEMBER 2005

CAROLLO ENGINEERS
Union Sanitary District
Secondary Digester Modifications Project
Union City, California
VICINITY AND
PROJECT AREA PHOTOS

PLATE NO.

1

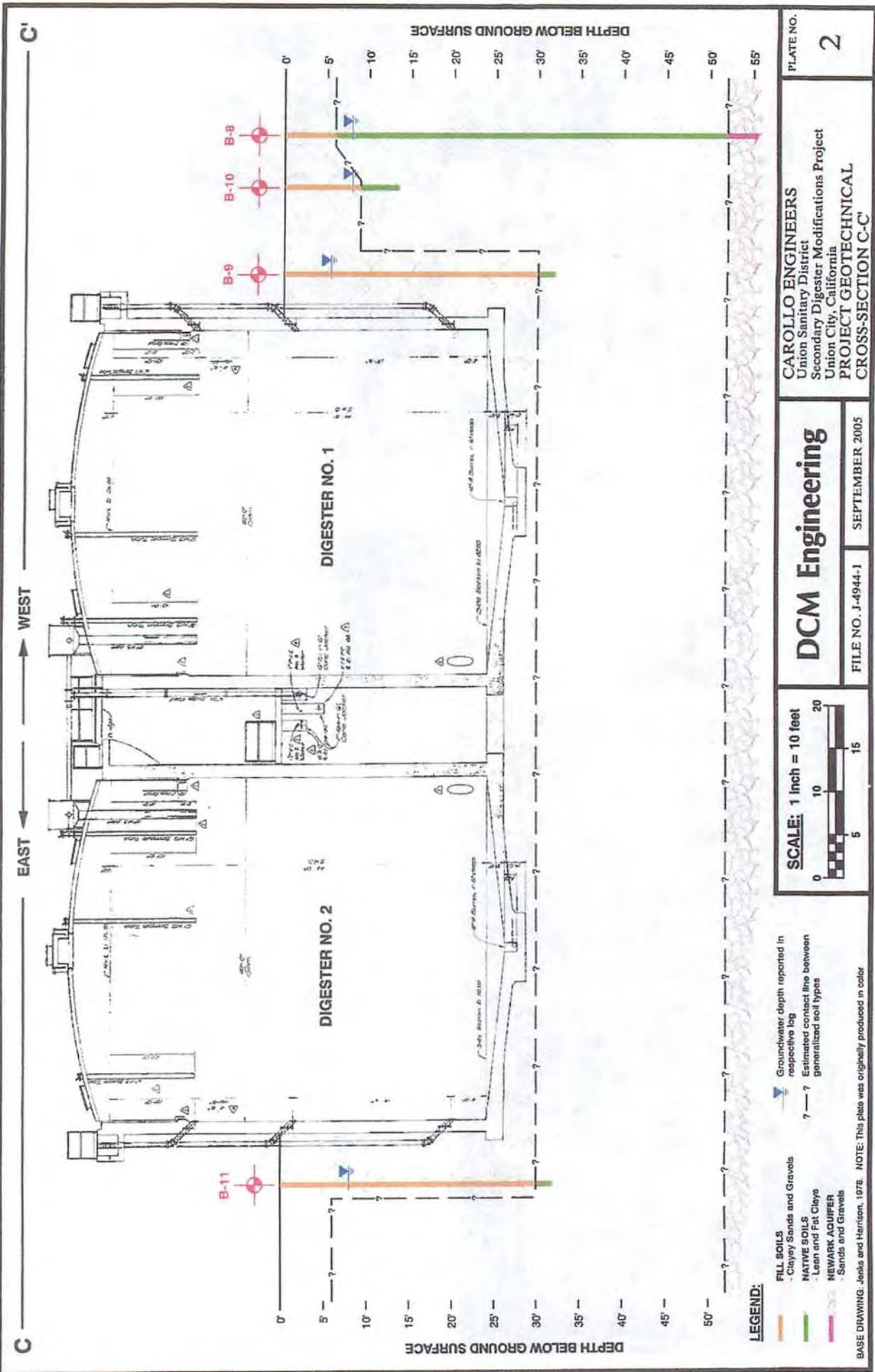


PLATE NO. **2**

CAROLLO ENGINEERS
 Union Sanitary District
 Secondary Digester Modifications Project
 Union City, California
PROJECT GEOTECHNICAL
CROSS-SECTION C-C'

DCM Engineering

FILE NO. J-4944-1 SEPTEMBER 2005

APPENDIX E
NATIVE AMERICAN CONSULTATION

STATE OF CALIFORNIAEdmund G. Brown, Jr., Governor**NATIVE AMERICAN HERITAGE COMMISSION**

915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390



September 13, 2012

Paul Scheidegger
Scheidegger and Associates
PO Box 331
Danville, CA 94526

Sent by Fax: 925-937-9026
Number of Pages: 2

Re: Union Sanitary District Thickener Control Building Improvements project, Alameda County

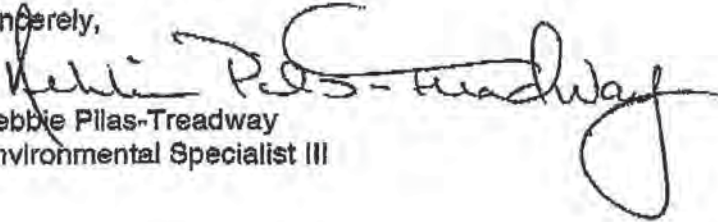
Dear Mr. Scheidegger:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,


Debbie Pilas-Treadway
Environmental Specialist III

**Native American Contacts
Alameda County
September 13, 2012**

Jakki Kehl
720 North 2nd Street
Patterson, CA 95363
jakkikehl@gmail.com
(209) 892-1060

Ohlone/Costanoan

Indian Canyon Mutsun Band of Costanoan
Ann Marie Sayers, Chairperson
P.O. Box 28
Hollister, CA 95024
ams@indiancanyon.org
831-637-4238

Ohlone/Costanoan

Katherine Erolinda Perez
PO Box 717
Linden, CA 95236
canutes@verizon.net
(209) 887-3415

Ohlone/Costanoan
Northern Valley Yokuts
Bay Miwok

Muwekma Ohlone Indian Tribe of the SF Bay Area
Rosemary Cambra, Chairperson
PO Box 360791
Milpitas, CA 95036
muwekma@muwekma.org
408-205-9714
510-581-5194

Ohlone / Costanoan

Amah/Mutsun Tribal Band
Irene Zwierlein, Chairperson
789 Canada Road
Woodside, CA 94062
amah_mutsun@yahoo.com
(650) 851-7747 - Home
350-400-4806 cell preferred
(650) 851-7489 - Fax

Ohlone/Costanoan

The Ohlone Indian Tribe
Andrew Galvan
PO Box 3152
Fremont, CA 94539
chochenyo@AOL.com
(510) 882-0527 - Cell
(510) 687-9393 - Fax

Ohlone/Costanoan
Bay Miwok
Plains Miwok
Patwin

Amah/Mutsun Tribal Band
Jean-Marie Feyling
19350 Hunter Court
Redding, CA 96003
mfgmc@sbcglobal.net
330-243-1633

Ohlone/Costanoan

Trina Marine Ruano Family
Ramona Garibay, Representative
30940 Watkins Street
Union City, CA 94587
soaprootmo@msn.com
510-972-0645-home

Ohlone/Costanoan
Bay Miwok
Plains Miwok
Patwin

Coastanoan Rumsen Carmel Tribe
Tony Cerda, Chairperson
240 E, 1st Street
Pomona, CA 91766
rumsen@aol.com
(909) 464-2074
(909) 524-8041 Cell
(909) 629-6081

Ohlone/Costanoan

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

Page 123 of 183

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Union Sanitary District Thickener Control Building Improvements project, Alameda County



SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Jakki Kehl
720 North 2nd Street
Patterson, CA 95363

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Kehl:

USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

The project largely involves the automation and replacement of existing mechanical, electrical, and instrumentation equipment. Only small areas of excavation will be required. A new approximate 10 foot by 12 foot electrical building will be constructed on an existing concrete slab requiring some shallow excavation. In addition, about 850 feet of new thickened primary sludge pipeline and electrical conduit will be installed requiring an approximate 3 foot wide and 4 ½ to 5 foot deep trench. Based on past geotechnical boring logs, fill extends to depth at the project site. The area of potential effects would be limited to WWTP site.

The Native American Heritage Commission provided Scheidegger & Associates with your name and address as someone who may have knowledge of heritage lands or other resources of interest that may be located in the project area. Please notify us if there are any sites or locations of specific concern within the project vicinity.

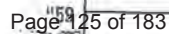
Please reference the project discussed above in your correspondence, and send the information to the fax number or address noted on this letter. You can also contact me at (925) 210-2271 if you have any questions. We greatly appreciate your attention to this matter.

Sincerely,
SCHEIDEGGER & ASSOCIATES

Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis





SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Katherine Erolinda Perez
PO Box 717
Linden, CA 95236

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Perez:

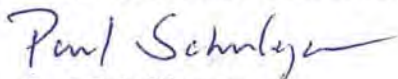
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Sincerely,
SCHEIDEGGER & ASSOCIATES


Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

USGS
science for a changing world



SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Irene Zwierlain, Chairperson
Amah/Mutsun Tribal Band
789 Canada Road
Woodside, CA 94062

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Zwierlain:

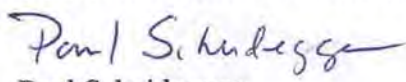
USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

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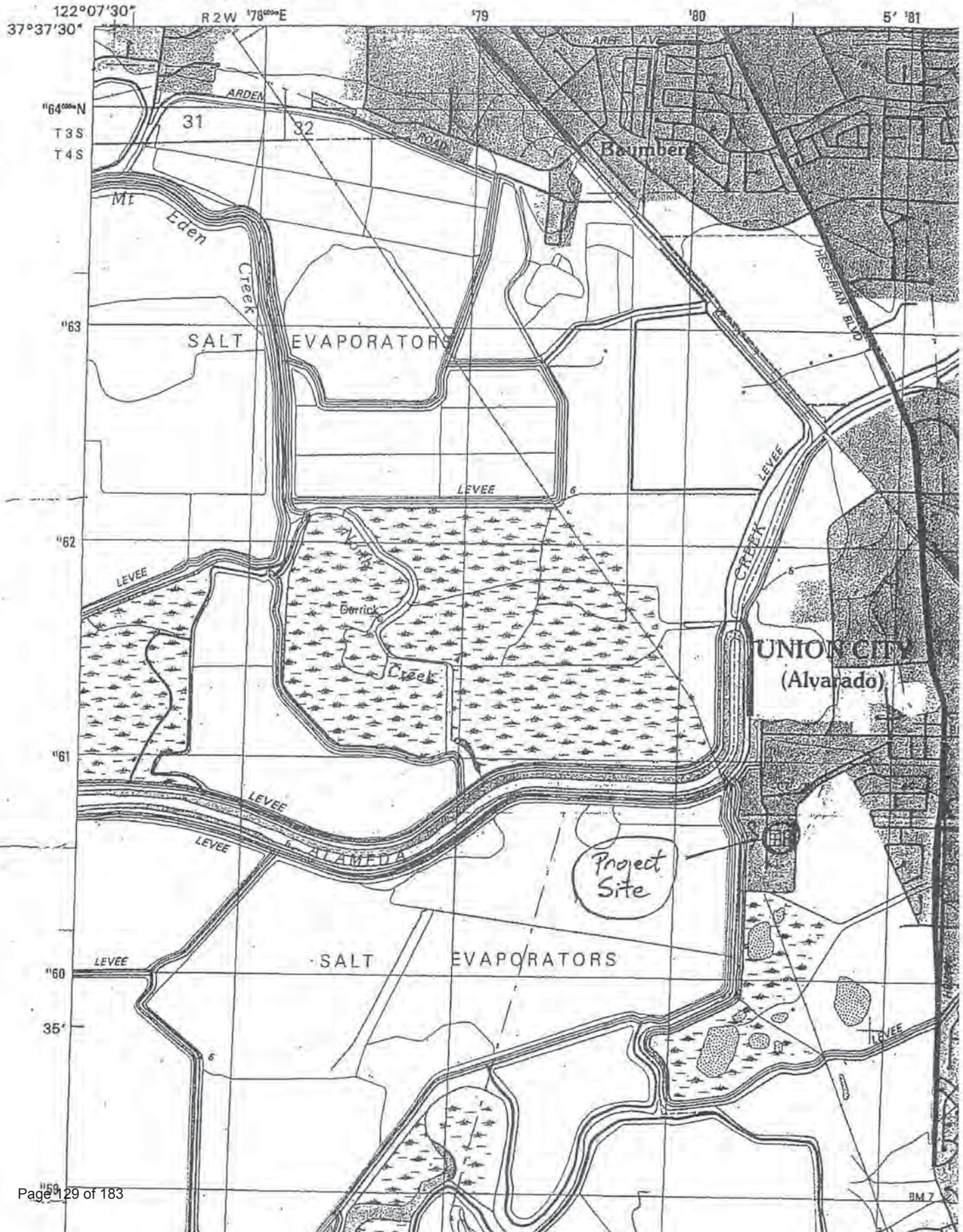
Please reference the project discussed above in your correspondence, and send the information to the fax number or address noted on this letter. You can also contact me at (925) 210-2271 if you have any questions. We greatly appreciate your attention to this matter.

Sincerely,
SCHEIDEGGER & ASSOCIATES


Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis





SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Jean-Marie Feyling
Amah/Mutsun Tribal Band
19350 Hunter Court
Redding, CA 96003

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Feyling:

USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

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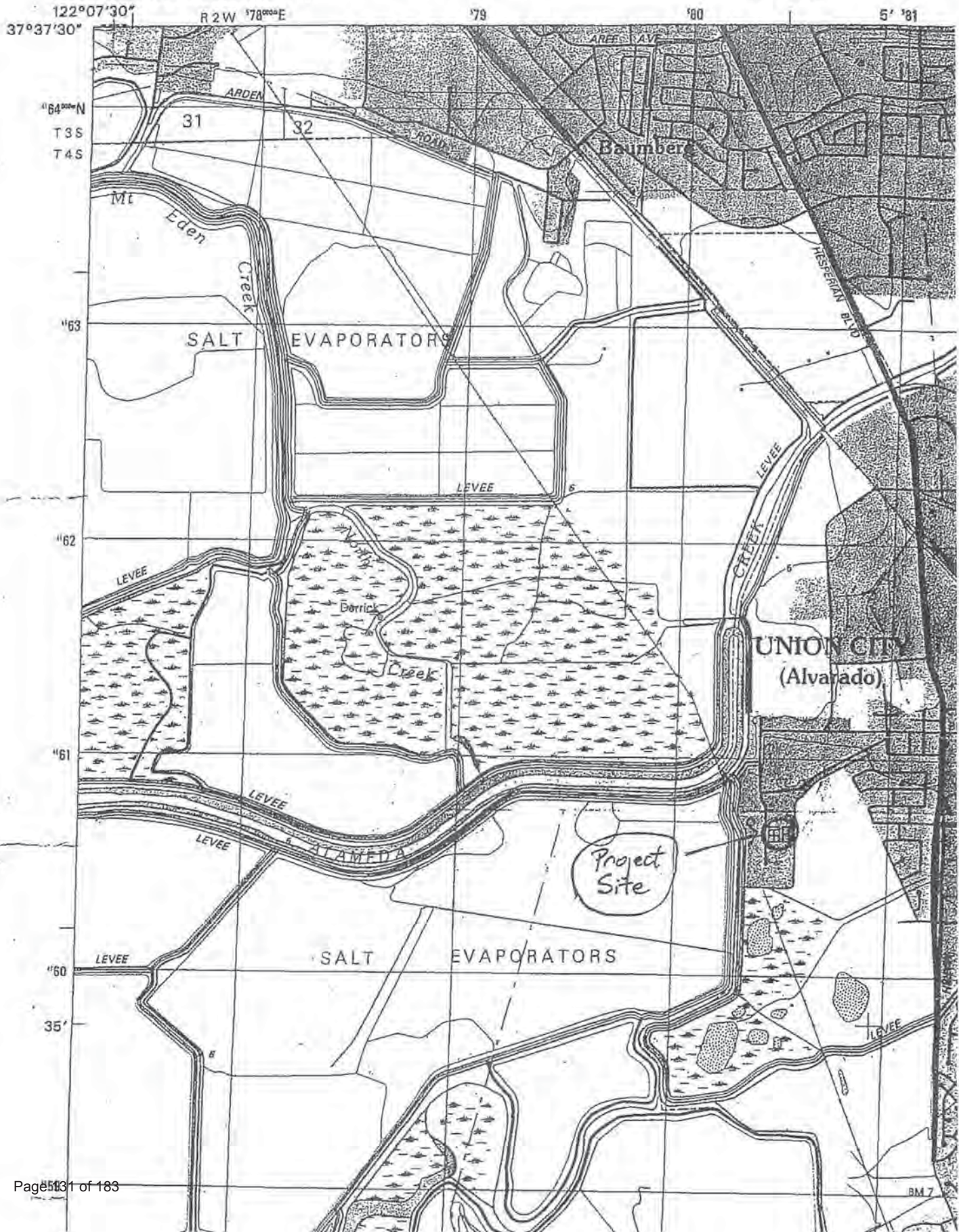
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Sincerely,
SCHEIDEGGER & ASSOCIATES

Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis





SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Ann Marie Sayers, Chairperson
Indian Canyon Mutsun Band of Costanoan
PO Box 28
Hollister, CA 95024

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Sayers:

USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

The project largely involves the automation and replacement of existing mechanical, electrical, and instrumentation equipment. Only small areas of excavation will be required. A new approximate 10 foot by 12 foot electrical building will be constructed on an existing concrete slab requiring some shallow excavation. In addition, about 850 feet of new thickened primary sludge pipeline and electrical conduit will be installed requiring an approximate 3 foot wide and 4 1/2 to 5 foot deep trench. Based on past geotechnical boring logs, fill extends to depth at the project site. The area of potential effects would be limited to WWTP site.

The Native American Heritage Commission provided Scheidegger & Associates with your name and address as someone who may have knowledge of heritage lands or other resources of interest that may be located in the project area. Please notify us if there are any sites or locations of specific concern within the project vicinity.

Please reference the project discussed above in your correspondence, and send the information to the fax number or address noted on this letter. You can also contact me at (925) 210-2271 if you have any questions. We greatly appreciate your attention to this matter.

Sincerely,
SCHEIDEGGER & ASSOCIATES

Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY





SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Rosemary Cambra, Chairperson
Muwekma Ohlone Indian Tribe of the SF Bay Area
PO Box 360791
Milpitas, CA 95036

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Cambra:

USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

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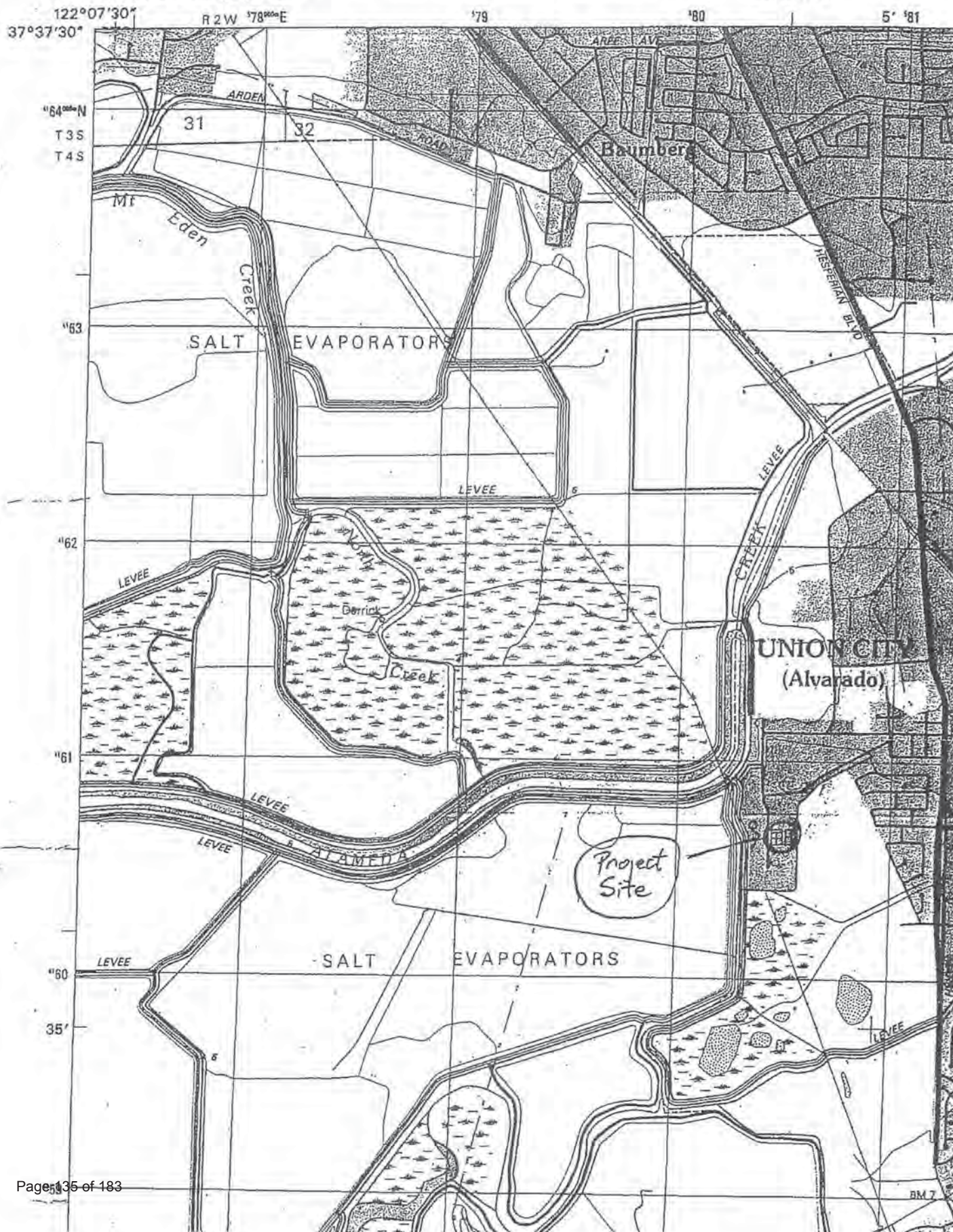
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Sincerely,
SCHEIDEGGER & ASSOCIATES

Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis





SCHEIDEGGER & ASSOCIATES

September 19, 2012

Mr. Andrew Galvan
The Ohlone Indian Tribe
PO Box 3152
Fremont, CA 94539

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Mr. Galvan:

USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

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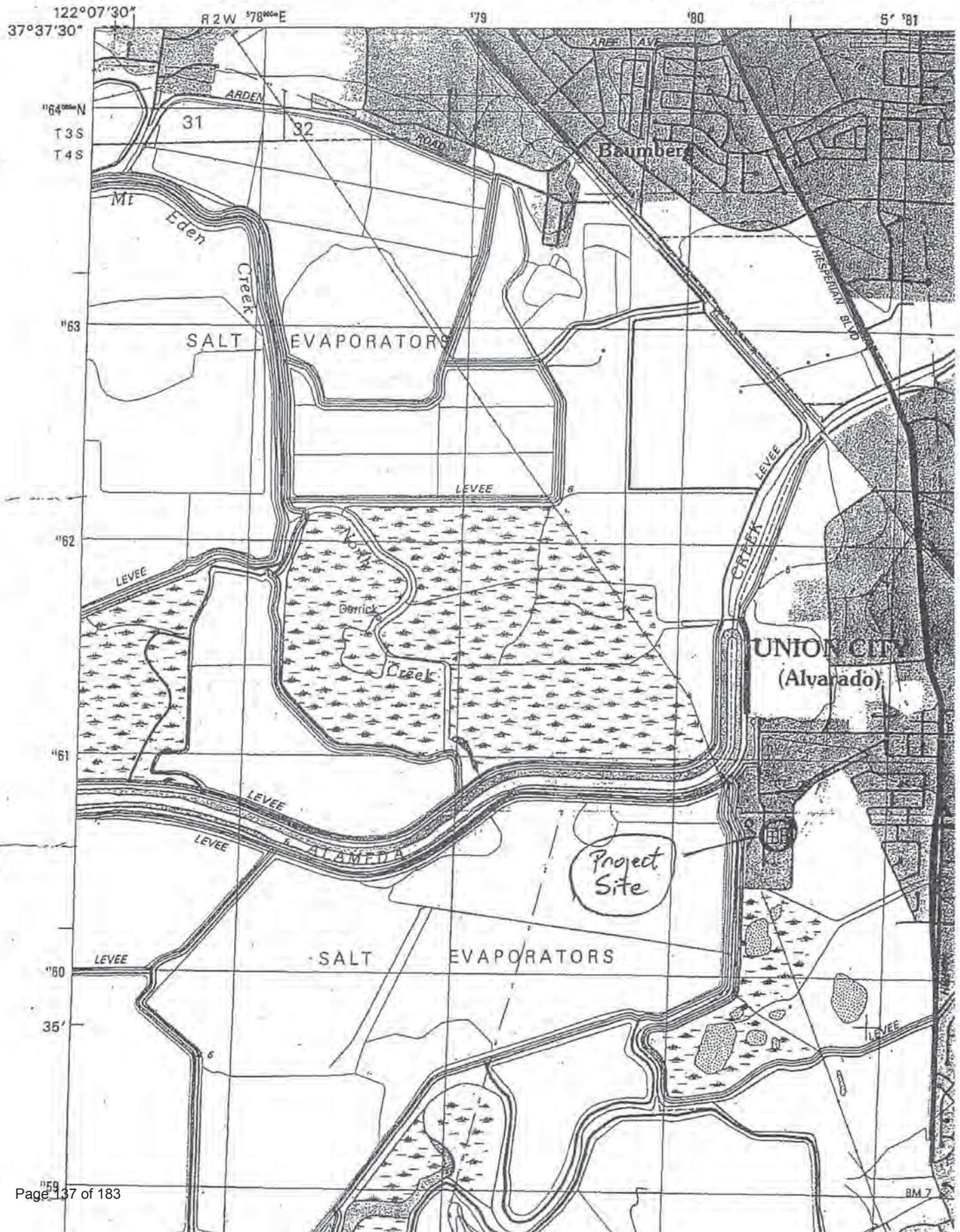
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Sincerely,
SCHEIDEGGER & ASSOCIATES

Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis

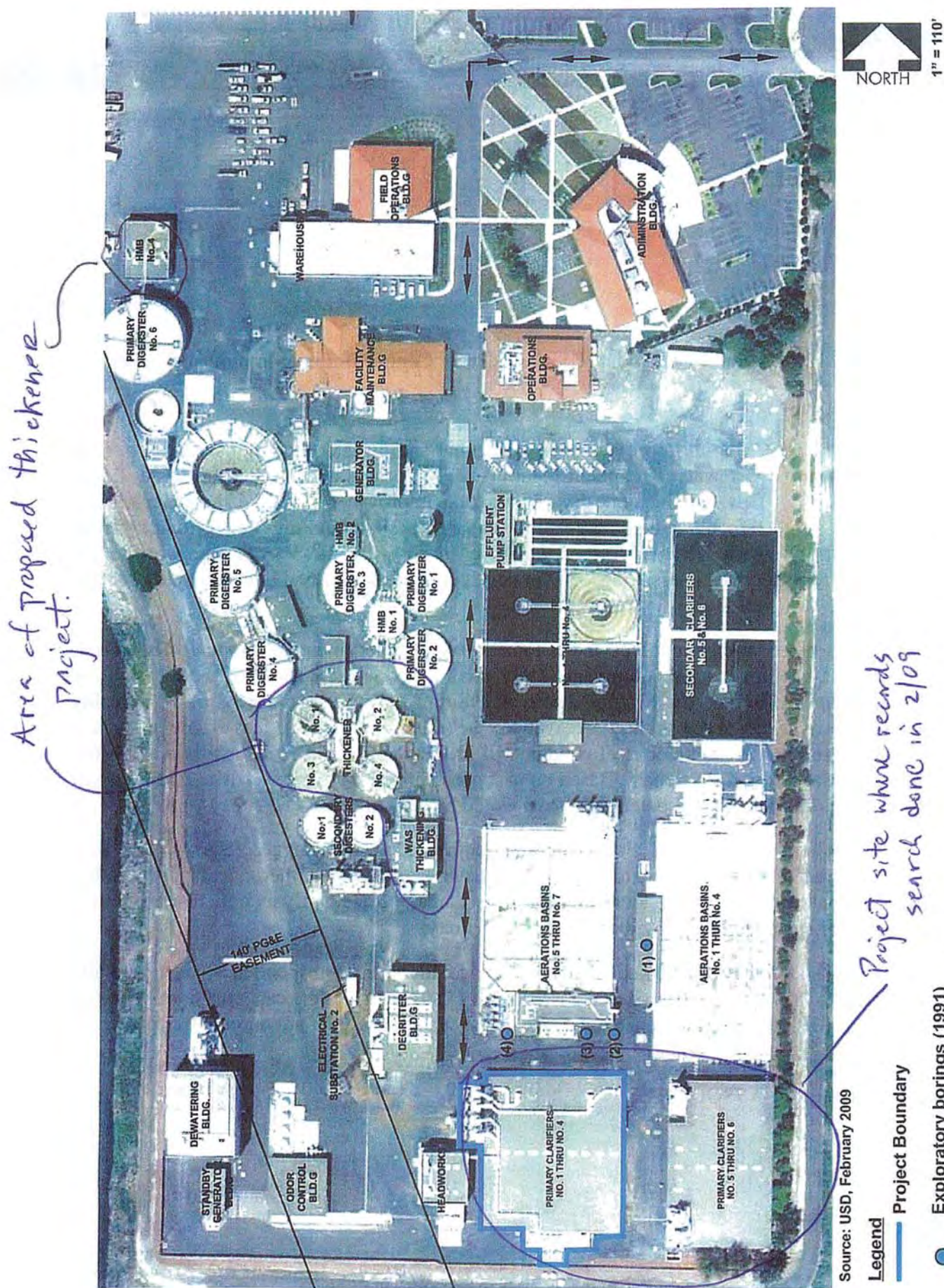


Scheidegger, Paul

From: Scheidegger, Paul
Sent: Wednesday, October 03, 2012 11:41 AM
To: 'chochenyo@aol.cm'
Subject: Records Search
Attachments: Scan001.PDF

Mr. Galvan, thank you for speaking with me today regarding the Union Sanitary District Thickener Improvements Project. Per your request, I've attached the Records Search completed in 2009 for a clarifier project located nearby to the thickener project. The attachment also includes a site plan showing the physical relationship of these two projects at the plant site. This email supplements my September 19, 2012 letter to you as an Alameda County Native American contact. I would welcome your verbal or written comments.

Paul Scheidegger
925-210-2271



Source: USD, February 2009

Legend

Project Boundary

- **Exploratory borings (1991)**
See Attachment B-2 for boring logs.

Figure 1. USD WWTP Site Plan



SCHEIDEGGER & ASSOCIATES

September 19, 2012

Ms. Ramona Garibay, Representative
Trina Marine Ruano Family
30940 Watkins Street
Union City, CA 94587

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Ms. Garibay:

USD is proposing to improve sludge thickening and digester feeding operations at their existing Alvarado Wastewater Treatment Plant (WWTP), located at 5072 Benson Road, Union City, CA 94587. This will be done by constructing improvements to the thickener control building and at other facilities that support the sludge thickening and digester feeding systems. A copy of the Newark USGS 7.5' topographic quad showing the WWTP site is attached. Scheidegger & Associates is assisting USD in developing environmental documentation for this project.

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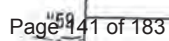
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Sincerely,
SCHEIDEGGER & ASSOCIATES

Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis





SCHEIDEGGER & ASSOCIATES

September 19, 2012

Mr. Tony Cerda, Chairperson
Coastanoan Rumsen Carmel Tribe
240 E, 1st Street
Pomona, CA 91766

Subject: Union Sanitary District (USD) Thickener Control Building Improvements Project

Dear Mr. Cerda:

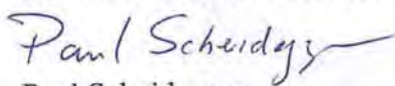
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The Native American Heritage Commission provided Scheidegger & Associates with your name and address as someone who may have knowledge of heritage lands or other resources of interest that may be located in the project area. Please notify us if there are any sites or locations of specific concern within the project vicinity.

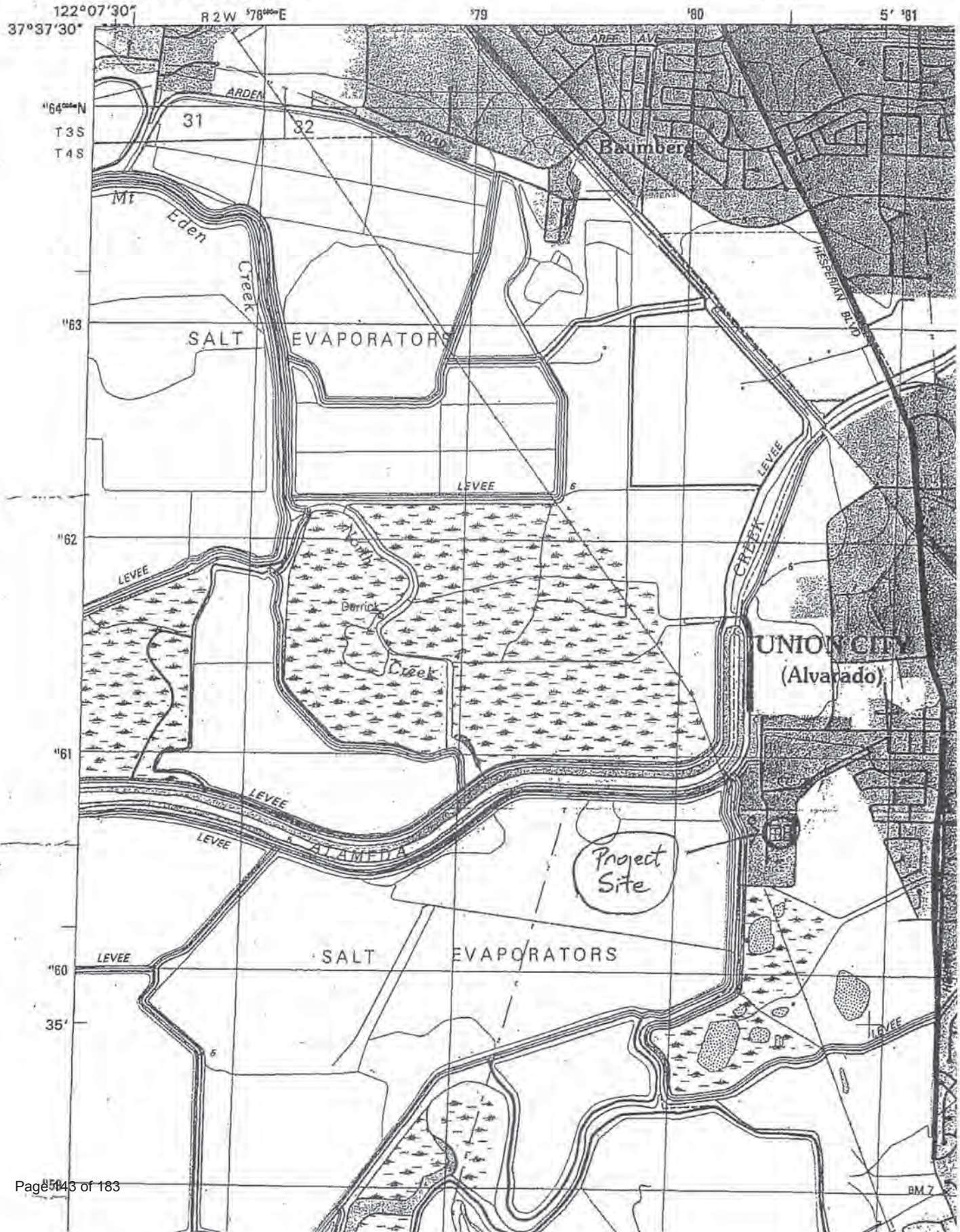
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Sincerely,
SCHEIDEGGER & ASSOCIATES


Paul Scheidegger

Attachment

Environmental Planning and Impact Analysis



**Telephone Log of Native American Contacts
USD Thickener Control Building Improvements Project**

<u>Name</u>	<u>Native Americans Represented</u>	<u>Phone Number</u>	<u>Comments</u>
Jakki Kehl	Ohlone/Costanoan	(209) 892-1060	Follow protocol if something is found.
Katherine Erolinda Perez	Ohlone/Costanoan Northern Valley Yokuts Bay Miwok	(209) 887-3415	No response.
Irene Zwierlein	Ohlone/Costanoan	(650) 851-7747	Follow protocol if something is found.
Jean-Marie Feyling	Ohlone/Costanoan	(530) 243-1633	Follow protocol if something is found.
Tony Cerda	Ohlone/Costanoan	(909) 524-8041	Follow protocol if something is found.
Ann Marie Sayers	Ohlone/Costanoan	(831) 637-4238	Follow protocol if something is found.
Rosemary Cambra	Ohlone/Costanoan	(408) 341-1898	Follow protocol if something is found.
Andrew Galvan	Ohlone/Costanoan Bay Miwok Plains Miwok Patwin	(510) 882-0527	Per request, sent Records Search for Primary Clarifer Rehabilitation Project. No further response.
Ramona Garibay	Ohlone/Costanoan Bay Miwok Plains Miwok Patwin	(510) 972-0645	Follow protocol if something is found.

**DIRECTORS**

JOHN H. WEED
President

JAMES G. GUNTHER
Vice President

JUDY C. HUANG

MARTIN L. KOLLER

PAUL SETHY

43885 SOUTH GRIMMER BOULEVARD • P.O. BOX 5110, FREMONT, CALIFORNIA 94537-5110

(510) 668-4200 • FAX (510) 770-1793 • www.acwd.org

MANAGEMENT

WALTER L. WADLOW
General Manager

ROBERT SHAVER
Assistant General Manager-Engineering

SHELLEY BURGETT
Manager of Finance

STEVE PETERSON
Manager of Operations and Maintenance

ALTARINE C. VERNON
Manager of Administrative Services

December 6, 2012

Mr. Raymond Chau
Union Sanitary District
5072 Benson Road
Union City, CA 94587-2508

Subject: Union Sanitary District's (USD) Initial Study and Negative Declaration – Thickener Control Building Improvements Project

Dear Mr. Chau:

The Alameda County Water District (ACWD) wishes to thank you for the opportunity to comment on USD's "Initial Study and Negative Declaration Thickener Control Building Improvements Project" at USD's Alvarado Wastewater Treatment Plant in Union City. ACWD has reviewed the Project and would appreciate USD's consideration of the following comments:

1. Drilling Permit Requirement: As required by ACWD's Well Ordinance No. 2010-01, drilling permits are required prior to the start of any subsurface drilling activities for wells, exploratory holes, and other excavations. Application for a permit may be obtained from ACWD's Engineering Department, at 43885 South Grimmer Boulevard, Fremont or online at <http://www.acwd.org/index.aspx?nid=218>. Before a permit is issued, a cash or check deposit is required in a sufficient sum to cover the fee for issuance of the permit or charges for field investigation and inspection. All permitted work requires scheduling for inspection; therefore, all drilling activities must be coordinated with ACWD prior to the start of any field work.
2. Section H. Hazards and Hazardous Materials, Control Measure H10 (page 30) and Criterion H4 (page 32): Reference is made to "characterizing soil and groundwater if necessary at the Project site for petroleum based contaminants and other contaminants of concern." As part of ACWD's Groundwater Protection Program, a work plan must be submitted for review and approval for all chemical investigations. Information required in the work plan is described in ACWD's Groundwater Monitoring Guidelines and may be obtained from ACWD's Engineering Department, at 43885 South Grimmer Boulevard, Fremont, or online

at <http://www.acwd.org/DocumentCenter/View/133>. Copies of all work plans and technical reports for subsurface investigations conducted in the project area, including all analytical results, boring logs, field notes, tables, and figures must be provided to ACWD.

3. Section I, Hydrology and Water Quality, Control Measure I1 (page 33): Although groundwater is not expected to be encountered, this section provides that if groundwater is encountered, the Contractor is required to provide excavation dewatering in accordance with USD's specifications. As previously mentioned, ACWD regulates wells under ACWD Ordinance 2010-01, including dewatering wells. In addition, mitigation measures should be proposed to replace all significant losses of ACWD's water supplies.
4. ACWD Contacts: The following ACWD contacts are provided so that USD can coordinate with ACWD as needed during the CEQA process:

Steven Inn, Groundwater Resources Manager, at (510) 668-4441, or by e-mail at steven.inn@acwd.com, for coordination regarding ACWD's groundwater resources.

Michelle Myers, Well Ordinance Supervisor, at (510) 668-4454, or by e-mail at michelle.myers@acwd.com, for coordination regarding groundwater wells and drilling permits.

Thank you for the opportunity to comment on the project at this time. If you have any questions, please contact Thomas Berkins at (510) 668-4442.

Sincerely,



for Robert Shaver
Assistant General Manager - Engineering

tb/mh

cc: Steven Inn, ACWD
Michelle Myers, ACWD
Thomas Berkins, ACWD



COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
CONSTRUCTION AND DEVELOPMENT SERVICES DEPARTMENT
951 Turner Court
Hayward, CA 94545-2698
(510) 670-5450 Construction Services
(510) 670-6601 Development Services
(510) 670-5269 FAX

November 20, 2012

Zone 3A, Lines A and G-1

Raymond Chau
Union Sanitary District
5072 Benson Road
Union City, CA 94587-2508

Dear Mr. Chau:

Subject: Notice of Document Availability and Intent to Adopt a Negative Declaration


Reference is made to the above subject for the Union Sanitary District's Thickener Control Building Improvement Project located at 5072 Benson Road in the City of Union City.

We did a cursory review the transmitted documents for this project and offer the following comments:

1. The applicant should provide measures to prevent the discharge of contaminated materials into public drainage facilities. It is the responsibility of the applicant to comply with Federal, State, or local water quality standards and regulations.

Should you have any questions, please call me at (510) 670-5209.

Very truly yours,


Rosemarie De Leon
Assistant Engineer
Land Development Services



Edmund G. Brown Jr.
Governor

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit



Ken Alex
Director

December 11, 2012

Ric Pipkin
Union Sanitary District
5072 Benson Road
Union City, CA 94587

Subject: Thickener Control Building Improvements Project
SCH#: 2012112032

Dear Ric Pipkin:

The State Clearinghouse submitted the above named Negative Declaration to selected state agencies for review. The review period closed on December 10, 2012, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Scott Morgan
Director, State Clearinghouse

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

**Document Details Report
State Clearinghouse Data Base**

SCH# 2012112032
Project Title Thickener Control Building Improvements Project
Lead Agency Union Sanitary District

Type Neg Negative Declaration
Description Improvements of the gravity sludge thickening process with changes in the piping, pump, and electrical equipment layout which will improve the operation, efficiency, and reliability of the process which conveys thicken sludge to the primary digesters.

Lead Agency Contact

Name	Ric Pipkin		
Agency	Union Sanitary District		
Phone	510 477 7609	Fax	
email			
Address	5072 Benson Road	State	CA
City	Union City	Zip	94587

Project Location

County	Alameda			
City	Union City			
Region				
Lat / Long				
Cross Streets	Benson Road / Whipple Road			
Parcel No.				
Township	4S	Range	2W	Section
				Base

Proximity to:

Highways	Hwy 880
Airports	
Railways	UPRR
Waterways	Old Alameda Creek
Schools	Alvarado, Cabello, Eastini and Pioneer ES; Alvarado MS
Land Use	Alvarado Wastewater Treatment Plant. Zoning and Designation are civic facility

Project Issues Aesthetic/Visual; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Flood Plain/Flooding; Geologic/Seismic; Noise; Soil Erosion/Compaction/Grading; Traffic/Circulation; Vegetation; Water Quality; Water Supply

Reviewing Agencies Resources Agency; Department of Fish and Game, Region 3; Department of Parks and Recreation; Department of Water Resources; Caltrans, District 4; California Highway Patrol; State Water Resources Control Board, Division of Financial Assistance; Regional Water Quality Control Board, Region 2; Department of Toxic Substances Control; Native American Heritage Commission

Date Received	11/09/2012	Start of Review	11/09/2012	End of Review	12/10/2012
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State Water Resources Control Board

DEC 18 2012

Ric Pipkin
Union Sanitary District
5072 Benson Road
Union City, CA 94587

Dear Mr. Pipkin:

INITIAL STUDY AND NEGATIVE DECLARATION (IS/ND) FOR UNION SANITARY DISTRICT (DISTRICT); THICKENER CONTROL BUILDING IMPROVEMENTS PROJECT (PROJECT); ALAMEDA COUNTY; STATE CLEARINGHOUSE NO. 2012112032

We understand that the District is pursuing Clean Water State Revolving Fund (CWSRF) financing for this Project (CWSRF No. C-06-5223-110). As a funding agency and a state agency with jurisdiction by law to preserve, enhance, and restore the quality of California's water resources, the State Water Resources Control Board (State Water Board) is providing the following information on the IS/ND to be prepared for the Project.

Please provide us with the following documents applicable to the proposed Project following the District's California Environmental Quality Act (CEQA) process: (1) one copy of the draft and final IS/ND, (2) the resolution adopting the IS/ND and making CEQA findings, (3) all comments received during the review period and the District's response to those comments, and (4) the Notice of Determination filed with the Alameda County Clerk and the Governor's Office of Planning and Research, State Clearinghouse. In addition, we would appreciate notices of any hearings or meetings held regarding environmental review of any projects to be funded by the State Water Board.

The State Water Board, Division of Financial Assistance, is responsible for administering the CWSRF Program. The primary purpose for the CWSRF Program is to implement the Clean Water Act and various state laws by providing financial assistance for wastewater treatment facilities necessary to prevent water pollution, recycle water, correct nonpoint source and storm drainage pollution problems, provide for estuary enhancement, and thereby protect and promote health, safety and welfare of the inhabitants of the state. The CWSRF Program provides low-interest funding equal to one-half of the most recent State General Obligation Bond Rates with a 20-year term. Applications are accepted and processed continuously. Please refer to the State Water Board's CWSRF website at:

www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml.

The CWSRF Program is partially funded by the United States Environmental Protection Agency and requires additional "CEQA-Plus" environmental documentation and review. Four enclosures are included that further explain the CWSRF Program environmental review process and the additional federal requirements. The State Water Board is required to consult directly with agencies responsible for implementing federal environmental laws and regulations.

Any environmental issues raised by federal agencies or their representatives will need to be resolved prior to State Water Board approval of a CWSRF financing commitment for the proposed Project. For further information on the CWSRF Program, please contact Mr. Ahmad Kashkoli, at (916) 341-5855.

It is important to note that prior to a CWSRF financing commitment, projects are subject to provisions of the Federal Endangered Species Act (ESA), and must obtain Section 7 clearance from the United States Department of the Interior, Fish and Wildlife Service (USFWS), and/or the United States Department of Commerce National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS) for any potential effects to special-status species.

Please be advised that the State Water Board will consult with USFWS, and/or NMFS regarding all federal special-status species that the Project has the potential to impact if the Project is to be funded under the CWSRF Program. The District will need to identify whether the Project will involve any direct effects from construction activities, or indirect effects such as growth inducement, that may affect federally listed threatened, endangered, or candidate species that are known, or have a potential to occur on-site, in the surrounding areas, or in the service area, and to identify applicable conservation measures to reduce such effects.

In addition, CWSRF projects must comply with federal laws pertaining to cultural resources, specifically Section 106 of the National Historic Preservation Act (Section 106). The State Water Board has responsibility for ensuring compliance with Section 106, and must consult directly with the California State Historic Preservation Officer (SHPO). SHPO consultation is initiated when sufficient information is provided by the CWSRF applicant. If the District decides to pursue CWSRF financing, please retain a consultant that meets the Secretary of the Interior's Professional Qualifications Standards (www.cr.nps.gov/local-law/arch_stnds_9.htm) to prepare a Section 106 compliance report.

Note that the District will need to identify the Area of Potential Effects (APE), including construction and staging areas, and the depth of any excavation. The APE is three-dimensional and includes all areas that may be affected by the Project. The APE includes the surface area and extends below ground to the depth of any Project excavations. The records search request should be made for an area larger than the APE. The appropriate area varies for different projects but should be drawn large enough to provide information on what types of sites may exist in the vicinity.

Please contact Ms. Susan Stewart at (916) 341-6983 to find out more about the requirements, and to initiate the Section 106 process.

Other federal requirements pertinent to the Project under the CWSRF Program include the following:

- A. Compliance with the Federal Clean Air Act: (a) Provide air quality studies that may have been done for the Project; and (b) if the Project is in a nonattainment area or attainment area subject to a maintenance plan; (i) provide a summary of the estimated emissions (in tons per year) that are expected from both the construction and operation of the Project for each federal criteria pollutant in a nonattainment or maintenance area, and indicate if the nonattainment designation is moderate, serious, or severe (if applicable); (ii) if emissions are above the federal de minimis levels, but the Project is sized to meet only the needs of current population projections that are used in the approved State Implementation Plan for air quality, quantitatively indicate how the proposed capacity increase was calculated using population projections.
- B. Compliance with the Coastal Zone Management Act: Identify whether the Project is within a coastal zone and the status of any coordination with the California Coastal Commission.
- C. Protection of Wetlands: Identify any portion of the proposed Project area that should be evaluated for wetlands or United States waters delineation by the United States Army Corps of Engineers (USACE), or requires a permit from the USACE, and identify the status of coordination with the USACE.
- D. Compliance with the Farmland Protection Policy Act: Identify whether the Project will result in the conversion of farmland. State the status of farmland (Prime, Unique, or Local and Statewide Importance) in the Project area and determine if this area is under a Williamson Act Contract.
- E. Compliance with the Migratory Bird Treaty Act: List any birds protected under this act that may be impacted by the Project and identify conservation measures to minimize impacts.
- F. Compliance with the Flood Plain Management Act: Identify whether or not the Project is in a Flood Management Zone and include a copy of the Federal Emergency Management Agency flood zone maps for the area.
- G. Compliance with the Wild and Scenic Rivers Act: Identify whether or not any Wild and Scenic Rivers would be potentially impacted by the Project and include conservation measures to minimize such impacts.

Following are specific comments on the District's IS/ND:

- 1. Under the Biological Resources section, please describe in greater detail the vegetative habitat surrounding the Project site. Also, identify the likelihood of occurrence of any special-status species in the vegetative habitat and the Project site.
- 2. Please include a Federal Emergency Management Agency floodplain map of the Project area.

Thank you for the opportunity to review the District's draft IS/ND. If you have any questions or concerns, please feel free to contact me at (916)341-5855, or by email at AKashkoli@waterboards.ca.gov, or contact Jessica Collado at (916) 341-7388, or by email at JCollado@waterboards.ca.gov

Sincerely,



Ahmad Kashkoli
Senior Environmental Scientist

cc: State Clearinghouse
(Re: SCH# 2012112032)
P.O. Box 3044
Sacramento, CA 95812-3044

If project emissions are **below the "de minimis" levels** and less than 10% of the emissions inventory for the non-attainment or maintenance area, then:

- **Further general conformity analysis is not required.**

If project emissions are above the "de minimis" levels:

- **A conformity determination for the area must be made.**

A conformity determination can be made if facilities are sized to meet the needs of current population projections used in an **approved State Implementation Plan (SIP)** for air quality. Using population projections, applicants must **quantify** their description of how the proposed capacity increase was calculated.

NATIONAL HISTORIC PRESERVATION ACT

Section 106 of the NHPA requires federal agencies to take into account effects on historic properties caused by federal actions (such as funding SRF projects) and to provide the Advisory Council on Historic Preservation (ACHP) a reasonable opportunity to comment on such undertakings through consultation with the State Historic Preservation Officer (SHPO) and with interested Indian Tribes and individuals.

***USEPA has delegated to the State Water Board the responsibility for carrying out the requirements of Section 106 of the NHPA.**

Historic properties include:

- Archaeological sites.
- Historic era buildings.
- Traditional cultural properties.

Starting point for the 106 process:
Applicant's record search and cultural resource documents prepared for CEQA.

State Water Board's Cultural Resource Officer (CRO) requires:

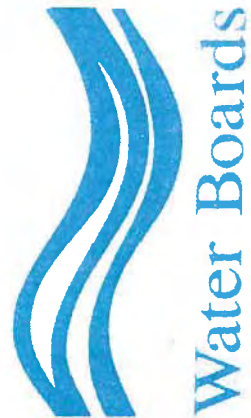
- Copies of all original maps and studies for consultation with SHPO.

If your project has the potential to affect historic properties the consultation process can be quite lengthy. **Please contact the CRO early in your planning process to discuss what additional information may be needed for your specific project.**

Environmental Review Process

Guidelines for State Revolving Fund Loan Applicants document provides additional information on the review process and can be found on the State Water Board's web site located at:

<http://www.waterboards.ca.gov/funding/srf.html>



SRF & CEQA-PLUS

Environmental Review for State Revolving Fund (SRF) Loan Applicants



- WHAT - WHY - HOW -

State Water Resources Control Board
Division of Financial Assistance
November 2005

WHAT IS CEQA-PLUS?

The SRF Loan Program is partially funded by the U.S. Environmental Protection Agency (USEPA) and subject to federal environmental regulations, including the Endangered Species Act (ESA), the National Historic Preservation Act (NHPA), and the General Conformity Rule for the Clean Air Act (CAA), among others. Federal agencies have their own policies on how they comply with federal environmental laws. Instead of the National Environmental Policy Act (NEPA), USEPA has chosen to use the California Environmental Quality Act (CEQA) as the compliance base for California's SRF Loan Program, in addition to compliance with ESA, NHPA and CAA. Collectively, the State Water Board calls these requirements **CEQA-Plus**. Additional federal regulations also may apply.

Lead Agency: The Applicant

Duties:

- Prepare, circulate and consider the environmental documents prior to approving the project.
- Provide the State Water Board with eight (8) copies of the applicant's CEQA documents.

Responsible Agency: State Water Board, Division of Financial Assistance

Duties:

- Acting on behalf of USEPA, review and consider the CEQA documents before approving the project's funding.

- Make findings as to the adequacy of the documents and require additional studies or documentation, as needed.

- Distribute the applicant's CEQA documents to selected federal agencies for review and comment before making a determination on adequacy. (This distribution is in addition to the standard State Clearinghouse distribution under CEQA.)

***The applicant must address all comments by federal agencies before funding is approved.**

ENDANGERED SPECIES ACT

Non-federal Representative (for all wastewater and water reclamation projects in California that involve an SRF loan):
State Water Board

State Water Board - Environmental Services Staff (ES) reviews SRF projects to determine potential effects on federally listed species.

Applicant Duties:

- At the earliest possible date, provide ES with:
 - Species lists.
 - Biological assessments.
 - Other documents related to project effects on sensitive species.

- Notify ES early during the planning process of any issues regarding sensitive species.

ES Duties:

- Confer informally with the U.S. Fish and Wildlife Service (USFWS) and/or National Marine Fisheries Service (NMFS), as necessary.
- Evaluate and inform USFWS/NMFS of project impacts to federally listed species.
- Ask USEPA to request formal consultation if ES, in conjunction with USFWS/NMFS, determines that a project will adversely affect a federally listed species.

***USEPA will act as the lead agency in the formal consultation process. In response to a formal request from USEPA, USFWS/NMFS may have up to 90 days to prepare a biological opinion. The process can last 135 days or longer.**

CLEAN AIR ACT

CAA general conformity analysis applies only to projects in areas:

- Not meeting National Ambient Air Quality Standards (NAAQS).
- Subject to a maintenance plan.

An analysis is necessary for each **criteria pollutant below** for which an area is considered as being in nonattainment or maintenance:

- ozone
- carbon monoxide
- nitrogen dioxide
- sulfur dioxide
- lead
- inhalable particulate matter

Cultural Resources

*Compliance with
Federal Section 106 of the
National Historic Preservation Act*

Information Needed from the
Applicant:

- Current records search with maps showing all sites and surveys drawn in relation to the project area.
- Native American consultation.
- Instructions as to how to get started are found in the CEQA Guidelines, since these two items are basic to any cultural resources review.

Migratory Bird Treaty Act

Information Needed From the
Applicant:

- Identification of whether or not the project is within jurisdiction of the Migratory Bird Treaty Act.

Wild and Scenic Rivers Act

Information Needed from the
Applicant:

- Identification of whether or not the project will impact any Wild and Scenic Rivers.

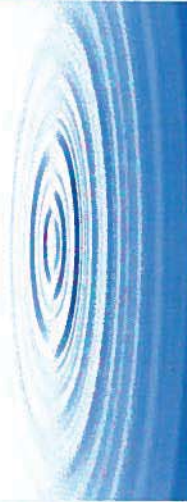
Other Requirements

Information Needed from the
Applicant:

- Eight (8) copies of the final CEQA document.
- A date-stamped copy of the Notice of Determination or the Notice of Exemption filed with the Governor's Office of Planning and Research and a receipt of the filling fees paid to the California Department of Fish and Game for Negative Declarations (ND) or Environmental Impact Reports (EIR).
- A copy of the Resolution from the lead agency, approving or certifying the CEQA document and their project. *Note: The CEQA Guidelines uses "approve" or "adopt" for ND and "certify" for EIR.*

Quick Reference Guide to the California Environmental Quality Act (CEQA)-Plus Requirements for State Revolving Fund Loans

Guide to Federal Requirements



State Water Resources Control Board
Division of Financial Assistance
January 2008

Endangered Species

*Compliance with Section 7 of the
Endangered Species Act*

Information Needed from the
Applicant:

- List of special status species (both animal and plant) likely or possibly to occur at project site. *Note: If none will possibly occur, provide supporting information.*
- Any biological assessments or special biological studies that may have been done for the project.
- Other documents that disclose information about the project's effect on sensitive species.



Protection of Wetlands

Information Needed from the
Applicant:

- Identification of whether or not the project or construction activities will impact streams, flood control channels, or wetlands.

Air Quality

Compliance with the Federal Air Quality Act

Information Needed from the
Applicant:

- Air quality studies that may have been done for the project.
- For those projects in non-attainment areas or attainment areas subject to maintenance plans:
 - Emission data for each criteria pollutant for which the area has been designated non-attainment or maintenance; and
 - Summary of the emissions that are expected from both the construction and operation of the project for each criteria pollutant in a non-attainment or maintenance area.
- If emissions are above the federal de minimis levels, but the project is sized to meet only the needs of current population projections that are used in the approved State Implementation Plan for air quality:
 - Quantitatively indicate how the proposed capacity increase was calculated using population projections.

Floodplain Management

Information Needed from the
Applicant:

- Identification of whether or not the project is in a Flood Management Zone and a copy of the Federal Emergency Management Agency flood zone maps for the project area.

Farmland Protection Policy Act

Information Needed from the
Applicant:

- Identification of whether or not the proposed project will impact any important farmland or land under Williamson Act control.

Coastal Zone Management Act

Information Needed from the
Applicant:

- Identification of whether or not the proposed project is in the Coastal Zone.

CLEAN WATER STATE REVOLVING FUND PROGRAM
INSTRUCTIONS AND GUIDANCE FOR
"ENVIRONMENTAL COMPLIANCE INFORMATION"

Introduction:

The State Water Resources Control Board (State Water Board) uses the California Environmental Quality Act (CEQA) review process and compliance with federal environmental laws and regulations to satisfy the environmental requirements of the Clean Water State Revolving Fund (CWSRF) Program Operating Agreement between the United States Environmental Protection Agency (USEPA) and the State Water Board. The CWSRF Program is partially funded by a capitalization grant from the USEPA. The issuance of funds from the CWSRF Program is equivalent to a federal action, and thus, compliance with federal environmental laws and regulations is required for projects being funded under the CWSRF Program.

All CWSRF Program applicants must submit adequate and complete environmental documentation to the State Water Board. Following submittal of an applicant's environmental documents, the State Water Board will review the documents to determine if the information is sufficient to document compliance with the CWSRF Program environmental requirements, including making a determination if consultation with federal authorities is required, and may request additional environmental information, when needed. The State Water Board encourages all applicants to initiate early consultation, so that the State Water Board can better streamline the environmental review process.

CEQA Information:

All projects coming to the State Water Board for funding are considered "projects" under CEQA because of the State Water Board's discretionary decision to approve funding.

Detailed information, including CEQA statutes and guidelines can be found online at the California Natural Resources Agency website at <http://ceres.ca.gov/ceqa>. A CEQA Process Flowchart that shows interaction points between lead and responsible agencies can be found at http://ceres.ca.gov/topic/env_law/ceqa/flowchart/index.html. In addition, State Water Board environmental staff is available to answer questions about the CEQA process, as well as the CWSRF Program environmental requirements. Please contact your assigned Project Manager at the State Water Board, regarding contact information for the appropriate environmental staff.

CEQA requires full disclosure of all aspects of the project, including impacts and mitigation measures that are not only regulated by state agencies, but also by federal agencies. Early consultation with state and federal agencies in the CEQA process will assist in minimizing changes to the project when funding is being requested from the State Water Board.

The types of CEQA documents that may apply to an applicant's project include one or a combination of the following: 1) Notice of Exemption (NOE); 2) Initial Study and Negative Declaration (ND); 3) Initial Study and Mitigated Negative Declaration (MND) with a Mitigation Monitoring and Reporting Program (MMRP); 4) Environmental Impact Report (EIR) with an MMRP; and/or 5) Addendum, Supplemental and Subsequent ND, MND or EIR. The applicant must determine the appropriate document for its project and submit the supporting information listed under the applicable section of the Environmental Package Checklist for Applicant (Attachment 1), along with a completed copy of the Evaluation Form for Environmental Review and Federal Coordination (Attachment 2). Please submit two copies of all CEQA documents.

The applicant must ensure the CEQA document is specific to the project for which funding is being requested. Program or Master Plan EIRs may not be suitable for satisfying the State Water Board environmental requirements if these documents are not project-specific. When an applicant uses an Addendum, Supplemental or Subsequent CEQA document for a project, the associated Program or Master Plan EIR must also be submitted, especially if the Addendum, Supplemental or Subsequent CEQA document includes references to pertinent environmental and mitigation information contained in the Program or Master Plan EIR.

If the applicant is using a CEQA document that is older than five years, the applicant must re-evaluate environmental and project conditions, and develop and submit an updated environmental document (such as an Addendum, Supplemental or Subsequent CEQA document) based on the results of that re-evaluation. The updated environmental document must be circulated through the State Clearinghouse for public review. The applicant must adopt the final updated environmental document, including any new identified measures, make CEQA findings, and file a Notice of Determination (NOD) with the local county clerk(s) and the Governor's Office of Planning and Research, State Clearinghouse (State Clearinghouse).

Each applicant, if it is a public agency, is responsible for approving the CEQA documents it uses regardless of whether or not it is a lead agency under CEQA. Non-profit organizations shall only be responsible for approving and ensuring implementation of the applicable project mitigation measures identified in the MMRP. All public agencies applying for CWSRF Program funding shall file either an NOE or an NOD with the State Clearinghouse and the local county clerk(s). Date stamped copies of those notices must be submitted with all the applicable environmental documents.

If the CEQA document was jointly prepared by a federal public governmental agency to satisfy the National Environmental Policy Act (NEPA) requirements, then the applicant must submit the corresponding NEPA documents, including a Finding of No Significant Impact, or a Record of Decision completed by the federal NEPA lead agency.

Federal Information:

In addition to CEQA compliance, the State Water Board is required to document environmental compliance with federal environmental laws and regulations, including:

1. Federal Endangered Species Act (ESA), Section 7:

The United States Department of the Interior, Fish and Wildlife Service (USFWS) and the United States Department of Commerce National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS) must be consulted for any project that will have the potential to adversely impact a federal special-status species. The USEPA delegated the State Water Board to act as the non-federal lead for initiating informal Section 7 ESA consultation with the USFWS. The State Water Board will coordinate with the USEPA for projects requiring formal Section 7 ESA consultation with the USFWS and projects that will impact federal special-status fish species under the NMFS jurisdiction. The USFWS and NMFS must provide written concurrence prior to a CWSRF financing agreement. USFWS and NMFS comments may include conservation measures, for which the applicant's CWSRF financing agreement will be conditioned to ensure compliance.

For further information on the federal ESA law, regulation, policy, and notices, go to <http://www.fws.gov/endangered/laws-policies/index.html> and <http://www.nmfs.noaa.gov/pr/laws/esa/>. Note that compliance with both the state and federal ESAs is required of projects having the potential to impact state and federal special-status species. Although overlap exists between the state and federal ESAs, there might be additional or more restrictive state requirements. For further information on the state ESA, refer to the California Department of Fish and Game website at <http://www.dfg.ca.gov/habcon/cesa/>.

2. Magnuson-Stevens Fishery Conservation and Management Act, Essential Fish Habitat (EFH):

The Magnuson-Stevens Fishery Conservation and Management Act, as amended, is designed to manage and conserve national fishery resources. EFH consultations are only required for actions that may adversely effect EFH. The applicant needs to determine whether the proposed project may adversely affect EFH. NMFS is responsible for publishing maps and other information on the locations of designated EFH, and can provide information on ways to promote conservation of EFHs to facilitate this assessment. If a project may adversely affect a designated EFH, the applicant must complete an EFH consultation.

The State Water Board will coordinate with the USEPA to request an EFH consultation from the NMFS. NMFS is required to respond informally or in writing. NMFS comments may include conservation measures, for which the applicant's CWSRF financing agreement will be conditioned to ensure compliance. For more information, see the brochure at http://www.nmfs.noaa.gov/sfa/reg_svcs/Council%20stuff/council%20orientation/2007/2007TrainingCD/TabT-EFH/EFH_CH_Handout_Final_3107.pdf.

3. National Historic Preservation Act (NHPA), Section 106:

The NHPA focuses on federal compliance. Section 106 requires Federal agencies to take into account the effects of their undertakings on historic properties. The Section 106 process seeks to accommodate historic preservation concerns with the needs of Federal undertakings through consultation among the agency official and other parties with an interest in the effects of the undertaking on historic properties. The goal of consultation is to identify historic properties potentially affected by the undertaking, assess its effects and seek ways to avoid, minimize or mitigate any adverse effects on historic properties. The Section 106 compliance efforts and reports must be prepared by a qualified researcher that meets the Secretary of the Interior's Professional Qualifications Standards (www.cr.nps.gov/local-law/arch_stnds_9.htm).

In addition, CEQA requires that impacts to cultural and historic resources be analyzed. The "CEQA and Archeological Resources" section from the Governor's Office of Planning and Research CEQA Technical Advice Series states that the lead agency obtains a current records search from the appropriate California Historical Resources Information System Center. Also, to contact the Native American tribes that are culturally affiliated with a project area from the list obtained from the Native American Heritage Commission (NAHC).

The NAHC can be contacted at:

915 Capitol Mall, Room 364
Sacramento, CA 95814
Tele: (916) 653-4082

4. Clean Air Act:

For CWSRF financed projects, we recommend including a general conformity section in the CEQA documents so that another public review process will not be needed, should a conformity determination be required. The applicant should check with its local air quality management district and review the Air Resources Board [California air emissions map](#) for information on the State Implementation Plan. For information on the analysis steps involved in evaluating air quality conformity, please contact the State Water Board environmental staff through the assigned Project Manager.

5. Coastal Zone Management Act:

Projects proposing construction in the Coastal Zone will require consultation with either the California Coastal Commission (or the designated local agency with a Local Coastal Program), or the San Francisco Bay Conservation and Development Commission (for projects located in the San Francisco Bay area). The applicant must submit a copy of the approved Coastal Development permit to the State Water Board to satisfy this requirement.

For more information on Coastal Zone Management Act requirements refer to the following agencies websites:

- United States Coastal Zone Boundaries through the NMFS website at <http://coastalmanagement.noaa.gov/mystate/docs/StateCZBoundaries.pdf>;
- California Coastal Commission website at <http://www.coastal.ca.gov/ccatc.html>; and/or
- San Francisco Bay Conservation and Development Commission website at <http://www.bcdc.ca.gov/>.

6. Coastal Barriers Resources Act:

The Coastal Barriers Resources Act is intended to discourage development in the Coastal Barrier Resources System and adjacent wetlands, marshes, estuaries, inlets, and near-shore waters. Since there is no designated Coastal Barrier Resources System in California, no impacts from California projects are expected. However, should the applicant believe there may be impacts to the Coastal Barrier Resources System due to special circumstances, please use the following information as a guide.

During the planning process, the applicant should consult with the appropriate Coastal Zone management agency (e.g., City or County with an approved Local Coastal Program, the California Coastal Commission, or the San Francisco Bay Conservation and Development Commission) to determine if the project will have an effect on the Coastal Barrier Resources System. If the project will have an effect on the Coastal Barrier Resources System, the State Water Board must consult with the appropriate Coastal Zone management agency and the USFWS. Any recommendations from the Coastal Zone management agency and USFWS will be incorporated into the project's design prior to approval of CWSRF financing.

For more information and to ensure that no modifications to Coastal Barrier Resources System have occurred, please visit: <http://www.fws.gov/CBRA/>.

7. Farmland Protection Policy Act:

Projects involving impacts to farmland designated as prime and unique, local and statewide importance, or under a Williamson Act Contract, will require consultation with the United States Department of Agriculture, Natural Resources Conservation Service and/or California Department of Conservation. For more information on the Farmland Protection Policy Act go to <http://www.nrcs.usda.gov/programs/fppa>, and regarding the Williamson Act Contact go to <http://www.consrv.ca.gov/dlrp/lca>.

8. Floodplain Management – Executive Order 11988:

Each agency shall take action to reduce the risk of flood loss, to minimize the impact of floods on human safety, health and welfare, and to restore and preserve the natural and beneficial values served by floodplains in carrying out its responsibilities. Before taking an action, each agency shall determine whether the proposed action will occur in a designated floodplain. The generally established standard for risk is the flooding level that is expected to occur every 100 years. If an agency determines or proposes to, conduct, support, or allow an action to be located in a floodplain, the agency shall consider alternatives to avoid adverse effects and incompatible development in the floodplains.

For further information regarding Floodplain Management requirements, please consult the United States Department of Homeland Security, Federal Emergency Management Agency website at <http://www.fema.gov>, as well as the USEPA floodplain management Executive Order 11988 at <http://www.epa.gov/owow/wetlands/regs/eo11988.html>.

9. Migratory Bird Treaty Act (MBTA):

The MBTA restricts the killing, taking, collecting and selling or purchasing of native bird species or their parts, nests, or eggs. The MBTA, along with subsequent amendments to this act, provides legal protection for almost all breeding bird species occurring in the United States and must be addressed under CEQA. In the CEQA document, each agency must make a finding that a project will comply with the MBTA. For further information, please consult the Migratory Bird Program through the USFWS website at <http://www.fws.gov/laws/lawsdigest/migtrea.html>.

10. Protection of Wetlands – Executive Order 11990:

Projects, regardless of funding, must get approval for any temporary or permanent disturbance to federal and state waters, wetlands, and vernal pools. The permitting process through the United States Army Corps of Engineers (USACE) can be lengthy, and may ultimately require project alterations to avoid wetlands and waters of the United States. Applicants must consult with the USACE early in the planning process if any portion of the project site contains wetlands, or other federal waters. The USACE Wetland Delineation Manual is available at <http://www.wetlands.com/regs/tlpge02e.htm>. Also note that the California State Water Boards are involved in providing approvals through the Clean Water Act Section 401 Water Quality Certification Program and/or Waste Discharge Requirements. For more information, please go to http://www.waterboards.ca.gov/water_issues/programs/cwa401/index.shtml.

11. Wild and Scenic Rivers Act:

There are construction restrictions or prohibitions for projects near or in a designated "wild and scenic river." A listing of designated "wild and scenic rivers" can be obtained at <http://www.rivers.gov/rivers/california.php>. Watershed information can be obtained through the "Watershed Browser" at http://cwp.resources.ca.gov/map_tools.php.

12. Safe Drinking Water Act, Source Water Protection:

Projects must comply with the Safe Drinking Water Act and document whether or not a project has the potential to contaminate a sole source aquifer. For projects impacting a listed sole source aquifer, the applicant must identify an alternative project location, or develop adequate mitigating measures in consultation with the USEPA. For more information, please go to the Sole Source Aquifer Program website at <http://epa.gov/region09/water/groundwater/ssa.html>.

13. Environmental Justice – Executive Order No. 12898:

Identify and address any disproportionately high and adverse human health or environmental effects of the project's activities on minority and low-income populations. USEPA has defined environmental justice as "the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies."

Fair Treatment means that no group of people should bear a disproportionate burden of environmental harms and risks, including those resulting from the negative consequences of industrial, governmental, and commercial operations or programs and policies.

Meaningful Involvement means that: 1) potentially affected community members have an appropriate opportunity to participate in decisions about a proposed activity that will affect their environment and/or health; 2) the public's contribution can influence the agency's decision; 3) the concerns of all participants involved will be considered in the decision-making process; and 4) the decision-makers seek out and facilitate the involvement of those potentially affected.

The term "environmental justice concern" is used to indicate the actual or potential lack of fair treatment or meaningful involvement of minority, low-income, or indigenous populations, or tribes in the development, implementation, and enforcement of environmental laws, regulations, and policies.

Your project may involve an "environmental justice concern" if the project could:

- a) Create new disproportionate impacts on minority, low-income, or indigenous populations;
- b) Exacerbate existing disproportionate impacts on minority, low-income, or indigenous populations; or
- c) Present opportunities to address existing disproportionate impacts on minority, low-income, or indigenous populations that are addressable through the project.

**ENVIRONMENTAL¹ PACKAGE CHECKLIST
FOR APPLICANT
(What to Submit to Project Manager)**

Required for all CWSRF Projects:

- ☐ **Evaluation Form for Environmental Review and Federal Coordination with the substantiating information**
(i.e. USFWS species list/biological assessment, cultural resources documentation, air quality data, flood map etc.)
- ☐ **Project Report, Scope of Work and Map(s)**

Based on the type of CEQA documents prepared for the project, provide additional information as identified in the following boxes.

If project is covered under a **CEQA Categorical or Statutory Exemption**, submit a copy of the following:

- ☐ **Notice of Exemption** (filed and date stamped by the county clerk and the Governor's Office of Planning and Research)

If project is covered under a **Negative Declaration**, submit a copy of the following:

- ☐ **Draft and Final Initial Study/Negative Declaration (IS/ND)**
 - ☐ Comments and Responses to the Draft IS/ND
- ☐ **Resolution approving the CEQA documents**
 - ☐ Adopting the Negative Declaration
 - ☐ Making CEQA Findings
- ☐ **Notice of Determination** (filed and date stamped by the county clerk and the Governor's Office of Planning and Research)

If project is covered under a **Mitigated Negative Declaration**, submit a copy of the following:

- ☐ **Draft and Final Initial Study/Mitigated Negative Declaration (IS/MND)**
 - ☐ Comments and Responses to the Draft IS/MND
 - ☐ Mitigation Monitoring and Reporting Plan/Program (MMRP)
- ☐ **Resolution approving the CEQA documents**
 - ☐ Adopting the Mitigated Negative Declaration and the MMRP
 - ☐ Making CEQA Findings
- ☐ **Notice of Determination** (filed and date stamped by the county clerk and the Governor's Office of Planning and Research)

If project is covered under an **Environmental Impact Report (EIR)**, submit a copy of the following:

- ☐ **Draft and Final EIR**
 - ☐ Comments and Responses to the Draft EIR
 - ☐ Mitigation Monitoring and Reporting Plan/Program (MMRP)
- ☐ **Resolution approving the CEQA documents**
 - ☐ Certifying the EIR and adopting the MMRP
 - ☐ Making CEQA Findings
 - ☐ Adopting a Statement of Overriding Considerations for any adverse environmental impact(s), if applicable
- ☐ **Notice of Determination** (filed and date stamped by the county clerk and the Governor's Office of Planning and Research)

If EIR is a joint CEQA/National Environmental Policy Act document (EIR/Environmental Impact Statement or EIR/Environmental Assessment), submit the applicable Record of Decision and/or the Finding of No Significant Impact.

¹ If the CEQA document is more than five years old applicant shall provide an updated CEQA document (eg. subsequent, supplemental, or addendum CEQA documents) or a letter that describes the current status of the environmental condition for the project's location.

State Water Resources Control Board (State Water Board)
Clean Water State Revolving Fund Program

Evaluation Form for Environmental Review and Federal Coordination

CWSRF No.: _____
Applicant Name: _____
Date: _____
Project Title: _____

1. Federal Endangered Species Act (ESA), Section 7:

Does the project involve any direct effects from construction activities, or indirect effects such as growth inducement that may affect federally listed threatened or endangered species or their critical habitat that are known, or have a potential, to occur on-site, in the surrounding area, or in the service area?

- a. **Required documents: Attach project-level biological surveys, evaluations analyzing the project's direct and indirect effects on special-status species, and an up-to-date species list (from the United States Fish and Wildlife Service and the California Natural Diversity Database) for the project area.**

☐ No. Discuss why the project will not impact any federally listed special status species:

☐ Yes. Provide information on federally listed species that could potentially be affected by this project and any proposed avoidance and compensation measures so that the State Water Board can initiate informal/formal consultation with the applicable federally designated agency. Document any previous ESA consultations that may have occurred for the project. Include any comments below:

2. **Magnuson-Stevens Fishery Conservation and Management Act, Essential Fish Habitat:**
Does the project involve any direct effects from construction activities, or indirect effects such as growth inducement that may adversely affect essential fish habitat?

☐ No. Discuss why the project will not impact essential fish habitat:

☐ Yes. Provide information on essential fish habitat that could potentially be affected by this project and any proposed avoidance and compensation measures. Document any consultations with the National Marine Fisheries Service that may have occurred for the project. Include any comments below:

3. **National Historic Preservation Act, Section 106:**

Identify the area of potential effects (APE), including construction, staging areas, and depth of any excavation. (Note: the APE is three dimensional and includes all areas that may be affected by the project, including the surface area and extending below ground to the depth of any project excavations).

- **Required documents: Cultural Resources Assessment** prepared by a prepared by a qualified researcher that meets the Secretary of the Interior's Professional Qualifications Standards (www.cr.nps.gov/local-law/arch_stnds_9.htm). **Current records search** with maps showing all sites and surveys drawn in relation to the project area, and records of **Native American consultation**. Include any comments below:

4. Federal Clean Air Act:

Identify Air Basin Name _____

Name of the Local Air District for Project Area: _____

Is the project subject to a State Implementation Plan (SIP) conformity determination?☐ No. The project is in an attainment or unclassified area for all federal criteria pollutants.

☐ Yes. The project is in a nonattainment area or attainment area subject to maintenance plans for a federal criteria pollutant. Include information to indicate the nonattainment designation (e.g. moderate, serious, severe, or extreme), if applicable. If estimated emissions (below) are above the federal de minimis levels, but the project is sized to meet only the needs of current population projections that are used in the approved SIP for air quality, then quantitatively indicate how the proposed capacity increase was calculated using population projections.

- If you checked "Yes" above, provide the estimated project construction and operational air emissions (in tons per year) in the chart below, and attach supporting calculations.
- Also, attach any air quality studies that may have been done for the project.

Pollutant	Federal Status (Attainment, Nonattainment, Maintenance, or Unclassified)	Nonattainment Rates (i.e., moderate, serious, severe, or extreme)	Threshold of Significance for Project Air Basin (if applicable)	Construction Emissions (Tons/Year)	Operation Emissions (Tons/Year)
Ozone (O ₃)					
Carbon Monoxide (CO)					
Oxides of Nitrogen (NO _x)					
Reactive Organic Gases (ROG)					
Volatile Organic Compounds (VOC)					
Lead (Pb)					
Particulate Matter less than 2.5 microns in diameter (PM _{2.5})					
Particulate Matter less than 10 microns in diameter (PM ₁₀)					
Sulfur Dioxide (SO ₂)					

5. Coastal Zone Management Act:**Is any portion of the project site located within the coastal zone?**☐ No. The project is not within the coastal zone.

☐ Yes. Describe the project location with respect to coastal areas and the status of the coastal zone permit, and provide a copy of the coastal zone permit or coastal exemption:

6. **Coastal Barriers Resources Act:**

Will the project impact or be located within or near the Coastal Barrier Resources System or its adjacent wetlands, marshes, estuaries, inlets, and near-shore waters? Note that since there is currently no Coastal Barrier Resources System in California, projects located in California are not expected to impact the Coastal Barrier Resources System in other states. If there is a special circumstance in which the project may impact a Coastal Barrier Resource System, indicate your reasoning below.

☐ No. The project will not impact or be located within or near the Coastal Barrier Resources System or its adjacent wetlands, marshes, estuaries, inlets, and near-shore waters.

☐ Yes. Describe the project location with respect to the Coastal Barrier Resources System, and the status of any consultation with the appropriate Coastal Zone management agency, and the United States Fish and Wildlife Service:

7. **Farmland Protection Policy Act:**

Is any portion of the project located on important farmland?

☐ No. The project will not impact farmland.

☐ Yes. Include information on the acreage that would be converted from important farmland to other uses. Indicate if any portion of the project boundaries is under a Williamson Act Contract and specify the amount of acreage affected:

8. **Flood Plain Management:**

Is any portion of the project located within a 100-year floodplain as depicted on a floodplain map or otherwise designated by the Federal Emergency Management Agency?

- **Required documents: Attach a floodplain map.**

☐ No. Provide a description of the project location with respect to streams and potential floodplains:

☐ Yes. Describe the floodplain, and include a floodplains/wetlands assessment. Describe any measures and/or project design modifications that would be implemented to minimize or avoid project impacts:

9. **Migratory Bird Treaty Act:**

Will the project affect protected migratory birds that are known, or have a potential, to occur on-site, in the surrounding area, or in the service area?

☐ No. Provide an explanation below.

☐ Yes. Discuss the impacts (such as noise and vibration impacts, modification of habitat) to migratory birds that may be directly or indirectly affected by the project and mitigation measures to reduce or eliminate these impacts. Include a list of all migratory birds that could occur where the project is located:

10. **Protection of Wetlands:**

Does any portion of the project boundaries contain areas that should be evaluated for wetland delineation or require a permit from the United States Army Corps of Engineers?

☐ No. Provide the basis for such a determination:

☐ Yes. Describe the impacts to wetlands, potential wetland areas, and other surface waters, and the avoidance, minimization, and mitigation measures to reduce such impacts. Provide the status of the permit and information on permit requirements:

11. **Wild and Scenic Rivers Act:**

Identify watershed where the project is located: _____

Is any portion of the project located within a wild and scenic river?

☐ No. The project is not located near a wild and scenic river.

☐ Yes. Identify the wild and scenic river watershed and project location relative to the affected wild and scenic river:

12. Safe Drinking Water Act, Sole Source Aquifer Protection:

Is the project located in an area designated by the United States Environmental Protection Agency, Region 9, as a Sole Source Aquifer?

☐ No. The project is not within the boundaries of a sole source aquifer.

☐ Yes. Contact USEPA, Region 9 staff to consult, and identify the sole source aquifer (e.g., Santa Margarita Aquifer, Scott's Valley, the Fresno County Aquifer, the Campo/Cottonwood Creek Aquifer or the Ocotillo-Coyote Wells Aquifer) that will be impacted:

13. Environmental Justice:

Does the project involve an activity that is likely to be of particular interest to or have particular impact upon minority, low-income, or indigenous populations, or tribes?

☐ No. Selecting "No" means that this action is not likely to be of any particular interest to or have an impact on these populations or tribes. Explain.

☐ Yes. If you answer yes, please check at least one of the boxes and provide a brief explanation below:

☐ The project is likely to impact the health of these populations.

☐ The project is likely to impact the environmental conditions of these populations.

☐ The project is likely to present an opportunity to address an existing disproportionate impact of these populations.

☐ The project is likely to result in the collection of information or data that could be used to assess potential impacts on the health or environmental conditions of these populations.

☐ The project is likely to affect the availability of information to these populations.

☐ Other reasons, describe: _____

BASIC CRITERIA FOR CULTURAL RESOURCES REPORTS

FOR SECTION 106 CONSULTATION WITH THE STATE HISTORIC PRESERVATION OFFICER (SHPO) UNDER THE NATIONAL HISTORIC PRESERVATION ACT (NHPA)

CULTURAL RESOURCES REPORTS

The Section 106 compliance efforts and reports must be prepared by a qualified researcher that meets the Secretary of the Interior's Professional Qualifications Standards (www.cr.nps.gov/local-law/arch_stnds_9.htm).

REPORT TERMINOLOGY

- A cultural resources report used for Section 106 consultation should use terminology consistent with the NHPA.
- This doesn't mean that the report needs to "filled" with passages and interpretations of the regulations, the SHPO reviewer already knows the law.
- If "findings" are made they must be one of the four "findings" listed in Section 106. These include:
 - "No historic properties affected" (no properties are within the APE, including the below ground APE).
 - "No effect to historic properties" (properties may be near the APE but the project will not impact them).
 - "No adverse effect to historic properties" (the project may affect historic properties but the impacts will not be adverse)
 - "Adverse effect to historic properties". *Note: the SHPO must be consulted at this point. If your consultant proceeds on his own, his efforts may be wasted.*

CURRENT RECORDS SEARCH INFORMATION

- A current (less than a year old) records search from the appropriate Information Center is necessary. The records search should include maps that show all recorded sites and surveys in relation to the area of potential effects (APE) for the project.
- The APE is three-dimensional and includes all areas that may be affected by the project. It includes the surface area and extends below ground to the depth of any project excavations.
- The records search request should be made for an area larger than the APE. The appropriate area varies for different projects but should be drawn large enough to provide information on what types of sites may exist in the vicinity.

June 2012

NATIVE AMERICAN AND INTERESTED PARTY CONSULTATION

- Native American and interested party consultation should be initiated at the beginning of any cultural resource investigations. The purpose is to gather information from people with local knowledge that may be used to guide research.
- A project description and map should be sent to the Native American Heritage Commission (NAHC) requesting a check of their Sacred Lands Files. The Sacred Lands Files include religious and cultural places that are not recorded at the information centers.
- The NAHC will include a list of Native American groups and individuals with their response. A project description and maps should be sent to everyone on the list asking for information on the project area.
- Similar letters should be sent to local historical organizations.
- Follow-up contact should be made by phone if possible and a phone log should be included in the report.

WARNING PHRASES IN ALREADY PREPARED CEQA REPORTS

- A finding of **“no known resources”**, this doesn't mean anything. The consultant's job is to find out if there are resources within the APE or to explain why they are not present.
- **“The area is sensitive for buried archaeological resources”**, followed by a statement that **“monitoring is recommended as mitigation”**. Monitoring is not an acceptable mitigation. A reasonable effort should be made to find out if buried resources are present in the APE.
- **“The area is already disturbed by previous construction”**, this may be true, but documentation is still needed to show that the new project will not affect cultural resources. As an example, an existing road can be protecting a buried archaeological site. Or, previous construction may have impacted an archaeological site that was never documented.
- No mention of **“Section 106”**, a report that gives adequate information for CEQA may not be sufficient to comply with Section 106.

S:\Funding Programs\Environmental Review Unit\Outreach\BASIC CRITERIA FOR SECTION 106 revised June 13 2012 by md.doc



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard B. Currie
General Manager
District Engineer

David M. O'Hara
Attorney

DATE: January 7, 2013

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer
Jesse Gill, TSCS Work Group Manager
Sami Ghossain, CIP Coach
Raymond Chau, Principal Engineer
Curtis Bosick, Associate Engineer

SUBJECT: Agenda Item No. 12 – Meeting of January 14, 2013
**RESOLUTION NO. 2693, ACCEPTING THE CONSTRUCTION OF THE
INKA DEMOLITION PROJECT FROM EVANS BROTHERS INC. AND
AUTHORIZING THE ATTORNEY FOR THE DISTRICT TO RECORD A
NOTICE OF COMPLETION**

Recommendation

Staff recommends the Board accept the construction of the INKA Demolition Project (Project) from Evans Brothers Inc. by Resolution, and authorize the Attorney for the District to record a Notice of Completion at the Alameda County Recorder's Office.

Background

On August 13, 2012, the Board awarded the Project's construction contract to Evans Brothers Inc. in the amount of \$860,450.

The INKA structure consisted of a clarifier tank with four aeration compartments situated as the outer ring of the tank. The structure and the associated chlorine contact tank were constructed in 1962 as part of the original Alvarado Water Pollution Control Plant. Both structures were taken out of service after the District expanded the treatment process during the 1978 plant expansion project.

During 1992, the District rehabilitated the INKA tank and constructed a new aeration blower building, new odor control equipment, and new sludge pumps in order to provide treatment plant capacity during the 1993 Upgrade Project when an existing treatment

process was to be demolished. At the conclusion of the Upgrade Project in 1996, the INKA tank was once again taken out of service along with the aforementioned equipment. The structures associated with the INKA tank had been idle since.

The District is in the process of reviewing the final design for the Cogeneration Project. This project will construct a new building to house two new biogas-fueled engine generators with a provision for a third unit in the future. The new Cogeneration Building and biogas conditioning and treatment systems will be located in the area where the associated INKA structures were previously situated.

The scope of the INKA Demolition Project included the following:

- Partial demolition of the INKA tank and chlorine contact tank, both of which will be removed down to four and one half feet below grade while the deeper portions of the tanks will be left in place and backfilled.
- Complete demolition of the aeration blower building and odor control equipment pad.
- Removal of hazardous materials (i.e., lead and asbestos) located within concrete coating, roof sealant, and concrete sealant.
- Demolition of underground electrical ductbank.
- Abandonment of process pipelines by filling with grout.
- Installation of traffic guard posts to protect the aboveground portion of the emergency outfall pipeline.

Carollo Engineers completed the design in April 2012.

Construction Contract

Staff issued the Notice to Proceed to Evan Brother Inc. on September 10, 2012 with a scheduled completion date of December 8, 2012. Evans Brothers Inc. substantially completed all contract work on December 13, 2012. The Covello Group provided construction management and general inspection services for the project.

Some photos of the completed project are attached.

Change Orders

To date, staff has executed two change orders for a total credit to the District of \$3,853. Staff is currently negotiating four additional change orders; though, it is anticipated that the total amount paid to Evans Brothers Inc. will not exceed the awarded amount of \$860,450. A summary of the two change orders executed to date for the Project are listed in the table below:

Table 1
Change Order Summary

No.	Description	Amount
1	Digester Gas Conditioning Concrete Slab	(\$1,016)
2	Revised INKA Wall Demolition Limits	(\$2,837)

Staff executed Change Order No. 1 with Evans Brothers Inc. to modify the demolition limits of the INKA structure wall where it is in contact with the existing gas conditioning concrete slab. Staff negotiated a change order in the amount of a \$1,016 credit for this modification.

Staff executed Change Order No. 2 with Evans Brothers Inc. to revise the INKA Wall Demolition Limits based on updated design information received for the Cogeneration Project. Staff negotiated a change order in the amount of a \$2,837 credit for this revision.

Outstanding Items

The Contractor has currently not completed all work on the Punch List and has some administrative requirements remaining. If these items are not completed by the time Notice of Completion is filed, staff will withhold 125% of the value of the work until completion.

The District has assumed beneficial use of the Project.

Staff recommends the Board accept the INKA Demolition Project from Evans Brothers Inc. and authorize the Attorney for the District to record a Notice of Completion at the Alameda County Recorder's Office.

RBC/JG/SG/RC/CB;mp

Attachments: Photos
 Figure 1
 Resolution
 Notice of Completion



Demolition of the INKA Structure



Demolition of Odor Control Slab



Demolition of Aeration Blower Building and Chlorine Contact Tank



Installation of K-Rail and Safety Fencing Around Site Post-Demolition



Demolition of the INKA Structure



Demolition of Odor Control Slab

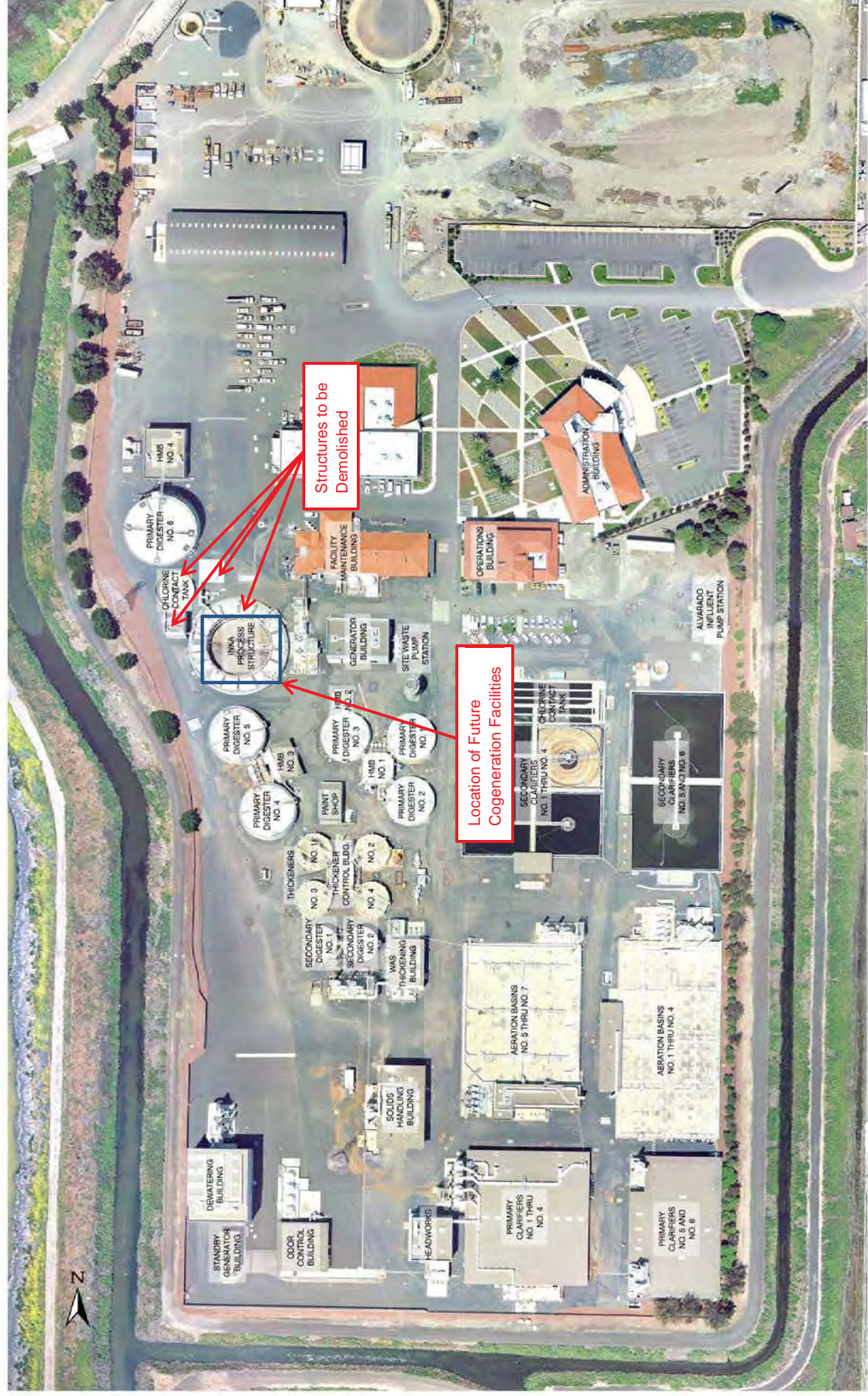


Demolition of Aeration Blower Building and Chlorine Contact Tank



Installation of K-Rail and Safety Fencing Around Site Post-Demolition

Figure 1 – Site Plan



RESOLUTION NO. 2693

**ACCEPTING CONSTRUCTION OF THE
INKA DEMOLITION PROJECT FROM EVANS BROTHERS INC.
LOCATED IN UNION CITY, CALIFORNIA**

RESOLVED: That the Board of Directors of the UNION SANITARY DISTRICT hereby accepts the INKA Demolition Project from Evans Brothers Inc., effective January 14, 2013; and be it

FURTHER RESOLVED: That the attorney for the District is authorized to file a "Notice of Completion" for the project.

On motion duly made and seconded, this resolution was adopted by the following vote on January 14, 2013:

AYES: Fernandez, Handley, Kite, Lathi, Toy

NOES: ----

ABSENT: ----

ABSTAIN: ----

PAT KITE
President, Board of Directors
Union Sanitary District

Attest:

Manny Fernandez
Secretary, Board of Directors
Union Sanitary District



**RECORDING REQUESTED BY
AND WHEN RECORDED
RETURN TO:**

**DAVID M. O'HARA
Attorney at law
39300 Civic Center Drive
Suite 110
Fremont, CA 94538**

NO RECORDING FEE - PER GOVERNMENT CODE SECTIONS 6103 & 27283

NOTICE OF COMPLETION

NOTICE IS HEREBY GIVEN BY UNION SANITARY DISTRICT, Alameda County, California, that the work hereinafter described, the contract for the construction of which was entered into on August 13, 2012, by said District and Evans Brothers Inc., Contractor for the Project, "INKA Demolition Project," was substantially completed on December 13, 2012 and accepted by said District on January 14, 2013.

The name and address of the owner is **UNION SANITARY DISTRICT**, at 5072 Benson Road, Union City, CA 94587.

The estate or interest of the owner is: FEE SIMPLE ABSOLUTE.

The description of the site where said work was performed and completed is the Union Sanitary District's Wastewater Treatment Plant, located at 5072 Benson Road, City of Union City, County of Alameda, State of California.

The undersigned declares under penalty of perjury that the foregoing is true and correct.

Executed on _____ at UNION CITY, CALIFORNIA.

DAVID M. O'HARA,
Agent of UNION SANITARY DISTRICT

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Richard Currie
*General Manager/District
Engineer*

David M. O'Hara
Attorney

DATE: January 3, 2012

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer

SUBJECT: Agenda Item No. 13 - Meeting of January 14, 2012
**APPROVING AN ADDITION TO THE FY13 NON-ECB FOR A
SPECIAL STUDY ON SEA LEVEL RISE**

Recommendation

Amend the Non-Expenditure Control Budget (NECB) for FY 13 by adding a special study on the potential effects of sea level rise.

Background

In June of 2012, the Board approved the NECB for FY13 in a total amount of \$892,600. At the time of the budget development, staff was continuing to explore options for evaluating the potential impacts of sea level rise, including joint efforts with other agencies. As the year progressed, USD staff decided the best approach for analysis of sea level rise impacts was to conduct an independent consultant study.

Jeremy Lowe of ESA/PWA Consultants has been selected to conduct a study for USD in the amount of \$35,000. Mr. Lowe and his firm were selected due to his unique background and knowledge on the subject and familiarity with the local area. Mr. Lowe, who made a presentation to both the EBDA Commission and the USD Board, has been one of the primary researchers of sea level rise impacts and mitigation in the Bay Area. He previously completed a study of the Hayward area shoreline impacts and is working with the City of San Jose on an impacts study as well.

The scope of the study includes sea level rise projections, development of a map showing inundation levels, an asset inventory of USD facilities in the potential inundation zone, and a vulnerability assessment. The study will also develop a critical asset ranking on components of USD facilities, such as electrical equipment. Other elements include identification of potential adaptation measures for protecting USD facilities in the future.

Staff is recommending the Board add this project to the NECB in the amount of \$35,000 under the studies category. Staff is recommending that the total NECB remain at the currently approved level of \$892,600. Some of the projects, including the Lateral Pilot Program and some of the Hayward Marsh efforts, will be delayed and will more than offset the additional \$35,000.

The draft scope of work is attached for your reference.

Attachment

Preliminary Study of the Effect of Sea Level Rise on Union Sanitary District Wastewater Infrastructure

DRAFT Scope of Work

The Union Sanitary District (USD) is committed to secure, and protect its wastewater infrastructure assets. A key component of this planning involves long-term protection of its infrastructure and developed resources from the impacts of sea-level rise. Communities around the San Francisco Bay Area are working to address impending sea level rise and other climate change impacts, and develop adaptation strategies and actions that will reduce their vulnerability to the effects of rising sea levels.

The USD requested ESA PWA prepare a scope of work to provide a *Preliminary Study of the Effect of Sea Level Rise on Union Sanitary District Wastewater Infrastructure*, including its raw wastewater twin forcemains, lift stations and pump stations, and the District Administration Building and Alvarado Wastewater Treatment Plant. This will allow USD to assess the risk and vulnerability sea-level rise poses to infrastructure and operations. This preliminary assessment will form the foundation allowing the USD to better plan adaptation strategies that will limit exposure and impacts to USD infrastructure and the economic, industrial, commercial, and societal functions dependent on this.

Purpose

Over the next 50 years, there is the potential for accelerated sea-level rise to expose critical USD wastewater infrastructure to wave action and potential flooding. The goal of this project is to provide the USD with a preliminary assessment of the possible impacts and strategies to manage the affects of sea-level rise on its critical wastewater infrastructure. Significant efforts have been made to coordinate response, preparation, and adaptation to sea level rise impacts throughout San Francisco Bay. These include the San Francisco Bay Conservation and Development Commission (BCDC), National Oceanic and Atmospheric Administration (NOAA), the National Research Council (NRC), and the Adapting to Rising Tides (ART) project. We will rely on existing information as appropriate to characterize existing geotechnical and flooding conditions, sea-level rise projections, and procedures for conducting preliminary vulnerability and risk assessment.

Task 1. Asset Inventory

We propose a kick-off meeting under this Task to meet with USD staff to review existing information and begin the process of developing the asset inventory to be included in the vulnerability assessment. For the purposes of this scope, it is assumed that the assets to be included are the USD force main, the six pump stations, the District Administration Building and Alvarado Wastewater Treatment Plant, and the Hayward Marsh.

ESA PWA will work with the USD on developing a ranking strategy by which the District can determine the criticality of its infrastructure assets. For example, some key equipment (such as electrical components) can be extremely sensitive to even small amounts of flooding and may require a greater level of protection, while other infrastructure may be able to sustain brief durations of flooding or brief storm events. This task assumes the District will be responsible for ranking its infrastructure assets and provide this ranking to the Consultant for inclusion in the risk and vulnerability assessment.

To assist with development of the infrastructure asset ranking, a site reconnaissance will be conducted with USD staff to visit and document the District's assets which includes the access manholes to the force main. Different modes of damage that can occur to the different types of facilities will be identified during the site reconnaissance in order to inform the vulnerability assessment in Task 3. Access to key infrastructure will also be accessed as this may be more critical than damage to the infrastructure itself.

Determining modes of damage and thresholds of inundation and groundwater elevations at which damage will occur will be critical to assessing risk levels.

Task 2: Deliverables

- One kick-off meeting with District staff to discuss Task 1 memo and develop asset inventory and study criteria
- One site reconnaissance meeting with District staff to visit infrastructure sites.
- Report section detailing infrastructure assets and criticality.

Task 2. Sea Level Rise Projections and Inundation Mapping

ESA PWA will coordinate with USD to develop study design and evaluation criteria. A key component will be deciding on sea level rise (SLR) scenarios to consider, based on the most recent science and policy guidance. For the purposes of this preliminary assessment, we propose utilizing the most recent NRC sea level rise estimates on top of 100-year return frequency tide stillwater levels together with existing guidance by the Ocean Protection Council (OPC March 2011).

Inundation mapping will be prepared for both low and high sea-level rise estimates for the study area from which to make the vulnerability assessments under Task 3. In addition to inundation mapping, mapping showing depth of inundation will also be prepared as this will be critical in assessing vulnerability of infrastructure to sea-level rise.

As a first tiered approach for this preliminary assessment, inundation maps for San Francisco Bay developed for the BCDC by the U.S. Geological Survey (Knowles 2008) will be used. For this study, data from the latest tidal epoch (1996-2007) were used to determine the highest average monthly tide and 100-year storm elevation. The sea level rise estimates of Cayan *et al* (2008) were added to the tidal datum. A numerical hydrodynamic model was then used to interpolate local sea level rise estimates at different locations around the Bay.

We will also coordinate with the BCDC ART Project who have offered to provide mapping for six scenarios (16" and 55" SLR on top of MHHW, 100 year stillwater and 100 year stillwater plus 10-yr waves). This mapping stops at the Alameda Creek Flood Control Channel. This mapping is currently being extended by BCDC to cover the remainder of Alameda County and will be made available to the project if it is completed in time.

Task 2: Deliverables

- Report section detailing current sea level rise projections
- Inundation mapping of USD infrastructure for low and high sea-level rise estimates

Task 3. Vulnerability Analysis

ESA PWA will provide a preliminary vulnerability assessment of the District's infrastructure and identify the degree to which assets would be impacted by different sea-level rise scenarios. In defining risk or vulnerability, it is important to not only consider the exposure to sea-level rise or the hazard present, but to also consider the implications or the consequence of the hazard.

Each infrastructure category will be assessed in terms of its location, type of hazard, proximity to hazard, mode of failure, severity of damage, risk of damage, and vulnerability. Types of hazard to be assessed varies by infrastructure category but may include inundation, wind wave erosion, rising groundwater impacts, and fluvial flooding. Modes of failure to be analyzed include erosion and breaching of outboard

levees; overtopping of levees by wave runup or fluvial flooding; buoyancy, infiltration and loss of overburden for pipelines, and rising groundwater. Thresholds of inundation and groundwater elevation at which damage will occur will be assessed.

Task 3: Deliverables

- Report section describing the vulnerability assessment of each infrastructure category under sea level rise conditions.

Task 4. Adaptation Measures

ESA PWA will utilize the results of the vulnerability assessment to develop potential adaptation measures the District can begin to consider to address and limit the vulnerability to its infrastructure. Adaptation measures to be considered may include:

- raising access roads, raising manholes,
- restoration of marsh habitat,
- raising of levees,
- relocation of assets, and,
- some combination of measures.

Potential for phasing both to spread costs but also to accommodate the uncertainty in sea level rise projections will be discussed. Consideration will be given to potential multi-objective projects that provide benefits beyond USD. We will work with USD to consider how adaption strategies may be best incorporated into capital improvement plans.

Given the District's reliance on the twin raw wastewater forcemain, single wastewater treatment plant, potential vulnerability of these assets, their proximity to the Bay, and the consequences of failure of any of these assets, there is an openness to restructure adaptation measures that may include shift to the way the District collects, treats, and disposes of wastewater. Possible decentralization of the District's infrastructure that allows for strategically shifting flows away from the centralized wastewater treatment plant through a network of other treatment facilities, constructed wetlands, and potentially new outfalls to San Francisco Bay. There is opportunity to redirect wastewater flows to local treatment marshes, which could have ancillary benefits of creating productive marshes, with higher accretion rates, that are better able to keep up with rising sea levels compared to saline tidal marshes.

Task 4: Deliverables

- Report section describing the adaption strategies including appropriate measures, phasing, constructability and approximate costs.
- Report section detailing next steps including thresholds at which adaptation strategies would be implemented and how strategies could be incorporated into capital improvement plans.

Project Schedule

This schedule assumes a three month project duration.

Task #	Task	Week
1	Asset Inventory	1-4
2	Sea Level Rise Projections and Inundation Mapping	1-4
3	Vulnerability Analysis	4-8
4	Adaptation Strategies	8-12

EBDA Commission Meeting
Thursday, December 20, 2012
9:30 a.m.

- Commissioners Lathi, Diaz, Johnson, Peixoto and Prolo were all present.
- The Consent Calendar was approved unanimously and included the Commission Meeting Minutes from November 15, 2012; the List of Disbursements for November 2012; and the Treasurer's Report for November.
- For the General Manager's report, Mike introduced Sheldon Chavan, the EBDA Auditor. He presented a summary of the 2012 Fiscal Year audit indicating there were no exceptions in the audit opinion, no material weaknesses, and no disagreements with management. His presentation emphasized review of internal controls, and the audit found no control deficiencies. Commissioner Dias noted that the operating loss identified in the audit was due to depreciation of assets.
- The Commission unanimously approved the reports from the Regulatory Affairs, Operation & Maintenance, Financial Management, and Management Advisory Committees (MAC is information only). The following items were discussed:
 - The **Managers Advisory Committee** had a detailed discussion about the recent storm events and flow management. The group also received a tour of the plant construction project in San Leandro.
 - The **Financial Management Committee** reviewed the audit report and the status of the Renewal and Replacement Fund. Commissioner Prolo indicated he concurred with the Committee's recommendation not to increase the Commission meeting fees for 2013. They also received an update on electrical system concerns at the Hayward Effluent Pump Station.
 - The **Regulatory Affairs Committee** discussed EBDA's participation (anonymously) in a CASA sponsored testing for pesticides in effluent. The committee also reviewed test data on nutrients from plants around the Bay Area.
 - The **O&M Committee** reviewed information relating to the wet weather flows experienced earlier in the month. It was noted that the City of Hayward was asked to divert flow to their ponds to provide more capacity for USD and reduce flow to the Oro Loma Pump Station. Dave Stoops conducted a debrief with plant managers and operators and noted that good communication was a key to successfully managing flows. EBDA reached a peak flow of 175 mgd compared to the rated capacity of 189 mgd. Problems with monitoring equipment led to what are believed to be false indications of chlorine in the effluent. The GM has been discussing this with the Regional Board and is sending a letter indicating no actual violation occurred. A formal report will be submitted in January.
- The Commission unanimously passed a resolution authorizing a purchase order for replacement of pumps at the Marina Dechlorination facility.
- The Commission unanimously accepted the financial audit report.
- Commissioner Prolo announced that San Leandro Public Works Director, Mike Bakaldin will be retiring from the City and going to work for Delta Diablo Sanitation District.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard Currie
*General Manager/District
Engineer*

David M. O'Hara
Attorney

DATE: January 3, 2013

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer

SUBJECT: Agenda Item No. 15 - Meeting of January 14, 2013
**SCHEDULE FOR ANNUAL PERFORMANCE EVALUATION OF
THE GENERAL MANAGER**

Recommendation

None. Information only.

Background

The following process is suggested for the annual performance evaluation of the General Manager for Calendar Year 2012.

- **Monday, January 14, 2013** - GM will provide a summary of goals, other accomplishments for 2012, salary and benefits information, possible goals for 2013, the GM evaluation forms, and any other information requested by the Board of Directors. A copy of the current GM employment contract will also be provided. Under separate cover, HR Administrator Judi Berzon will provide the latest salary survey information for the GM position.
- **Week of January 21-25, 6:30 p.m.** – Board will meet in Closed Session. GM will present information and respond to any question from the Board. Board members will meet with Judi Berzon to discuss the process, ask questions, and receive any information requested of Human Resources. The Board will deliberate and discuss GM performance and goals.

- **Monday, January 28, 2013, Approximately 8:00 p.m.** Following the regular Board meeting, the Board will reconvene to Closed Session to meet with the General Manager and present their comments on his annual performance and discuss goals for Calendar Year 2013. In addition, the Board will discuss the extension of the General Manager's employment contract for an additional one year and any necessary amendments to the Contract.
- **Approximately January 29-31.** The President of the Board of Directors, or their designee, will inform the Human Resources Administrator of any changes to the General Manager's compensation or benefits package and provide a copy of the general manager's performance evaluation for inclusion in the GM's personnel file.
- **Monday, February 11, 2013.** At the next regular meeting following the January 28 Closed Session, the Board will announce any changes made to the General Manager's salary or benefits, and make any comment deemed appropriate regarding the General Managers performance evaluation for 2012, all in open session.

The Board members are encouraged to contact the GM or the Administrator with any questions or suggested changes to the GM evaluation process.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard B. Currie
General Manager
District Engineer

David M. O'Hara
Attorney

DATE: January 3, 2013

MEMO TO: Board of Directors – Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer
Rich Cortes, Business Services Manager
Maria Scott, Principal Financial Analyst

SUBJECT: Agenda Item No. 16 – Meeting of January 14, 2013
Information Item: **Highlights of June, 2011 CalPERS Retirement Valuation**

Recommendation

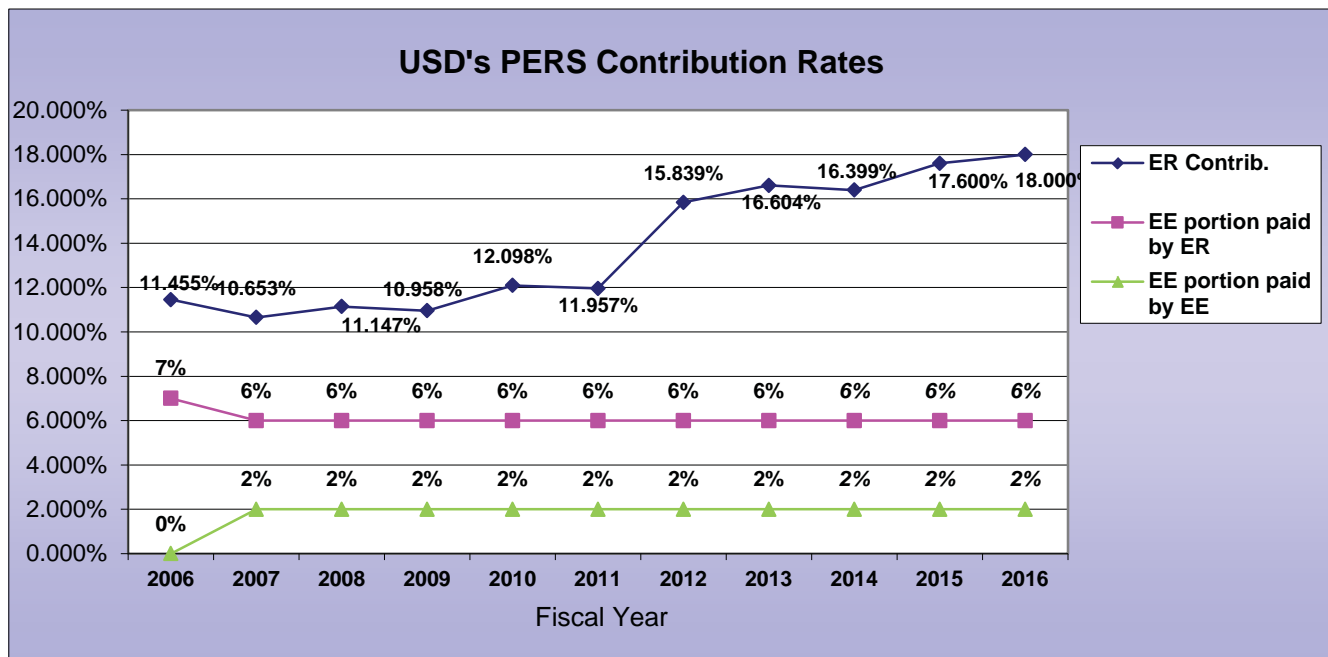
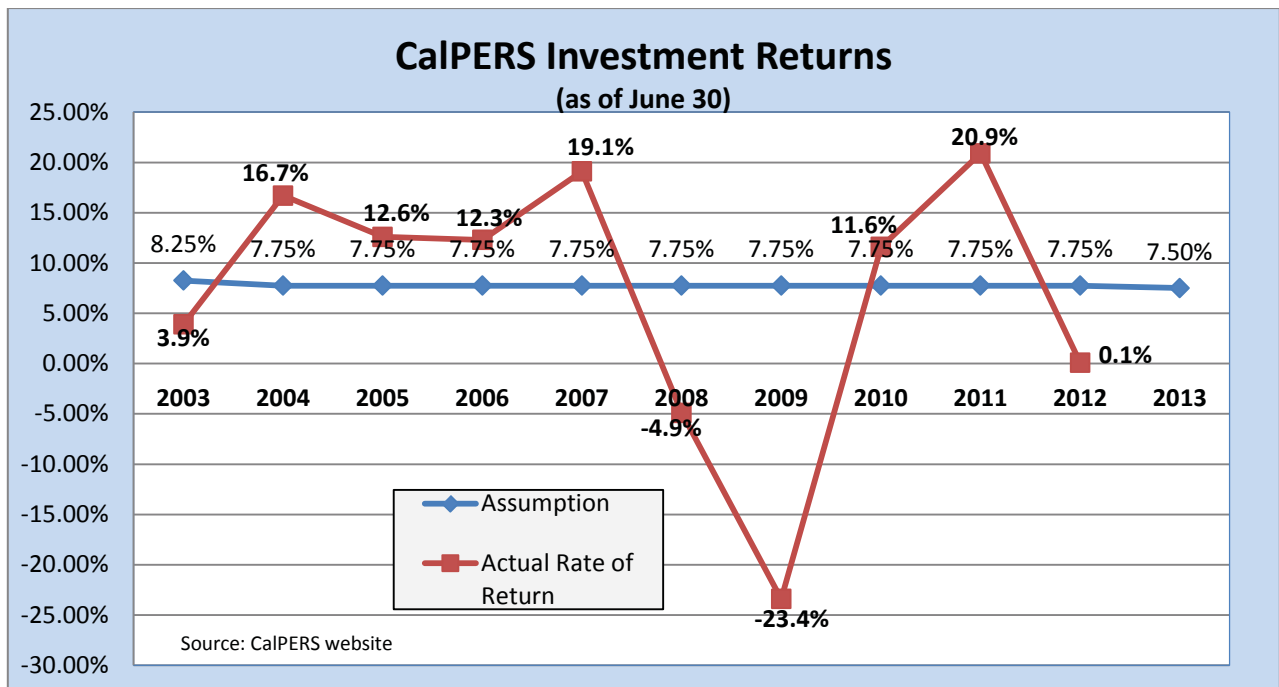
Information only.

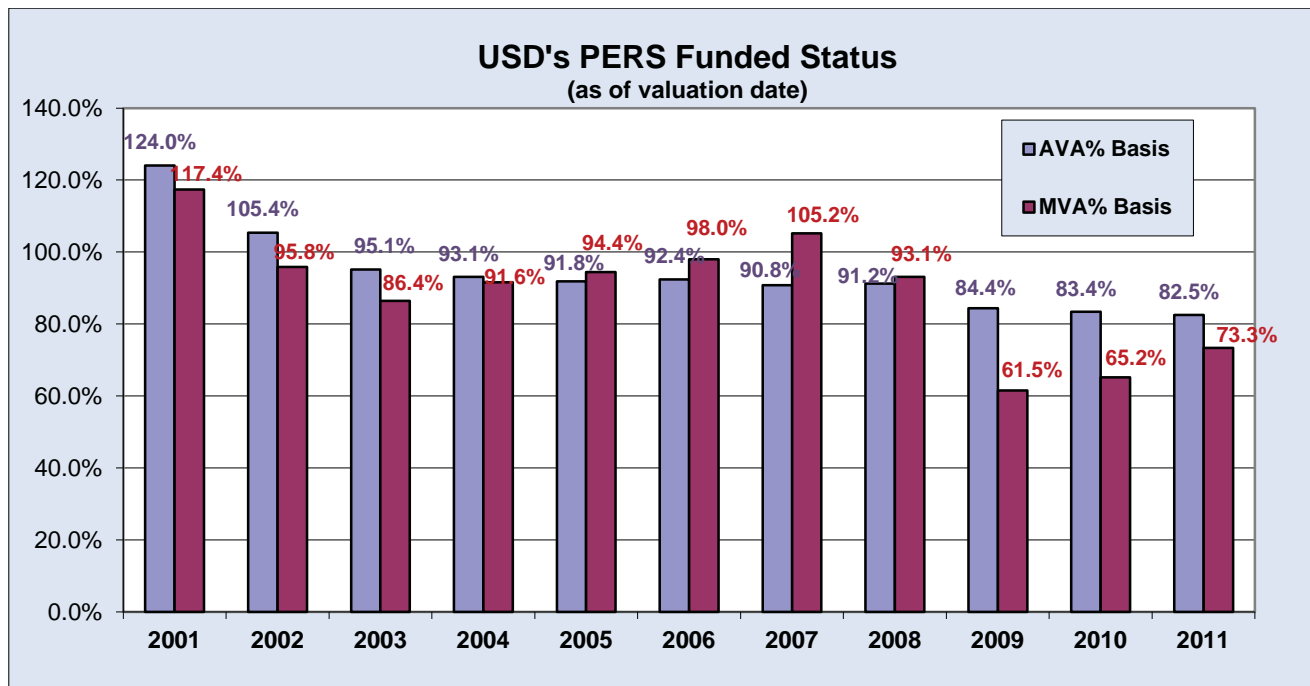
Background

The District receives an actuarial report on our pension plan annually from CalPERS. Below are some of the highlights from the most recent report.

Highlights:

	FY13 (Current)	FY14
Employer Contribution Rate	16.604%	16.399%
Employee Contribution Rate	8.00%	8.00%
Employer Contribution	\$2,248,607	\$2,287,910
Employee portion paid by USD (6% of 8%)	\$850,204	\$864,820
Total Contribution by USD	\$3,098,811	\$3,152,730 (est.)
Discount Rate Assumption	7.75%	7.5%
Inflation Assumption	3.0%	2.75%
Payroll Growth Assumption	3.25%	3.0%





MVA basis is Market Value of Assets and is a better indicator of the solvency of the plan.

- Funded ratio on a Market Value of Assets basis has increased from 65.2% on the prior valuation to 73.3%.
- Accrued liability= \$94,015,409
- Market value of assets = \$68,869,888
- Unfunded liability = \$25,145,521

AVA basis is the Actuarial Value of Assets, which is used to establish funding requirements.

- Funded ratio on an Actuarial Value of Assets basis has decreased from 83.4% on the prior valuation to 82.5%.
- Accrued liability = \$94,015,409
- Actuarial value of assets = \$77,586,175
- Unfunded liability = \$16,429,234

The actuarial report, including appendices, will be available on the Board's portal page and the Benefits section of the District's portal.

**UNION SANITARY DISTRICT
CHECK REGISTER
12/01/2012-01/04/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
149025	12/20/2012	102201	EVANS BROTHERS INC	INKA DEMOLITION	\$382,208.86	\$382,208.86
149067	12/20/2012	380.1	W. R. FORDE ASSOCIATES	MISC SPOT REPAIRS PHASE IV	\$152,551.00	\$152,551.00
148883	12/6/2012	125292	CAROLLO ENGINEERS	THICKENER CONTROL BLDG INTERIM IMPROV	\$8,318.64	\$122,118.12
	12/6/2012	125311		INKA DEMOLITION	\$3,794.48	
	12/6/2012	125296		SUBSTATION NO. 1 REPLACEMENT	\$106.67	
	12/6/2012	125307		COGENERATION PROJECT	\$724.24	
	12/6/2012	125293		THICKENER CONTROL BUILDING IMPROV PH II	\$16,566.47	
	12/6/2012	125372		COGENERATION PROJECT	\$87,714.15	
	12/6/2012	125294		PRIMARY CLARIFIERS 1 - 4 REHABILITATION	\$4,893.47	
149134	1/3/2013	800374.9	ANDERSON PACIFIC ENG CONST INC	THICKENER 3 AND 4 REHABILITATION	\$114,409.13	\$114,409.13
149030	12/20/2012	311.17	GSE CONSTRUCTION CO INC	BOYCE ROAD LIFT STATION	\$100,504.00	\$100,504.00
149072	12/27/2012	800273.21	ANDERSON PACIFIC ENG CONST INC	PRIMARY CLARIFIERS 1 - 4 REHABILITATION	\$85,950.66	\$85,950.66
149079	12/27/2012	11182031	BROWN & CALDWELL CONSULTANTS	RAS PUMP STATION IMPROVEMENTS	\$8,237.41	\$66,574.40
	12/27/2012	11182028		BOYCE ROAD LIFT STATION	\$31,777.52	
	12/27/2012	11182029		WASTEWATER EQUALIZATION STORAGE FCLTY	\$25,196.99	
	12/27/2012	11182150		THICKENER NOS. 3 AND 4 REHABILITATION	\$1,362.48	
149055	12/20/2012	30101671	SYNAGRO TECHNOLOGIES	OCTOBER 2012 BIOSOLIDS DISPOSAL	\$61,252.82	\$61,252.82

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149018	12/20/2012	20120241	COVELLO GROUP INC	MISC. SPOT REPAIRS PHASE 4	\$10,628.00	\$59,752.36
	12/20/2012	20120194		INKA DEMOLITION	\$10,665.50	
	12/20/2012	20120223		COGENERATION PROJECT	\$577.00	
	12/20/2012	201002227		PRIMARY CLARIFIERS 1 - 4 REHABILITATION	\$18,756.51	
	12/20/2012	201103311		THICKENER 3 AND 4 REHABILITATION	\$13,008.35	
	12/20/2012	20120251		RAS PUMP STATION IMPROVEMENTS	\$2,428.00	
	12/20/2012	20120049		SFPUC AT MISSION BLVD & I-680	\$3,689.00	
149173	1/3/2013	770924	POLYDYNE INC	44,400 LBS CLARIFLOC C-6267	\$55,783.05	\$55,783.05
149175	1/3/2013	11434	SAK CONSTRUCTION OF CA LP	BOYCE ROAD LIFT STATION	\$48,630.00	\$48,630.00
148908	12/6/2012	102441	MUNIQUEIP INC	ASTD IPS SEWAGE PUMP #2 & #3 OVERHAUL	\$43,945.47	\$43,945.47
149043	12/20/2012	102720121205	PACIFIC GAS AND ELECTRIC	SERV TO 12/05/12 BOYCE RD PS	\$1,460.50	\$43,375.26
	12/20/2012	170120121206		SERV TO 11/18/12 PLANT	\$41,886.44	
	12/20/2012	140120121205		SERV TO 12/04/12 IRVINGTON PS	\$28.32	
148953	12/13/2012	12903	F. D. THOMAS, INC	DIGESTER NO. 4 REHAB PROJECT	\$34,121.00	\$34,121.00
149127	12/27/2012	2022691	WEST YOST & ASSOCIATES	NEWARK FLAT TOPS AREA SEWER RELOCATION	\$7,703.50	\$33,817.15
	12/27/2012	2022741		I-680 AT SABERCAT RD SEWER REPLACEMENT	\$26,113.65	
149182	1/3/2013	4578530	TYLER TECHNOLOGIES INC	EDEN SOFTWARE MAINTENANCE SUPPORT	\$30,044.66	\$30,044.66
149088	12/27/2012	658	DW NICHOLSON CORP	PLC REPLACEMENT - PHASE 1	\$29,435.75	\$29,435.75
148968	12/13/2012	800392.2	KJ WOODS CONSTRUCTION INC	DEER ROAD SANITARY SEWER	\$28,043.55	\$28,043.55

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148941	12/13/2012	11181261	BROWN & CALDWELL CONSULTANTS	FLOW EQUALIZATION STUDY UPDATE	\$27,803.96	\$27,803.96
149086	12/27/2012	XJ1FWN61	DELL MARKETING LP C/O DELL USA	FY13R&R VMWARE ESXI SERVERS	\$25,767.53	\$25,767.53
149062	12/20/2012	533620121123	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL CARD STMT - NOV 2012	\$20,284.35	\$20,284.35
148983	12/13/2012	900995174	SIEMENS INDUSTRY INC	2,263 GALS HYDROGEN PEROXIDE	\$9,889.31	\$19,844.17
	12/13/2012	900993802		2,278 GALS HYDROGEN PEROXIDE	\$9,954.86	
148949	12/13/2012	452471A	DELTA DENTAL SERVICE	NOVEMBER 2012 DENTAL	\$2,220.79	\$19,570.69
	12/13/2012	452471C		NOVEMBER 2012 DENTAL	\$17,349.90	
148982	12/13/2012	12121064	SCADA SUPPORT GROUP	NOVEMBER 12 CONSULTING	\$2,325.45	\$18,697.36
	12/13/2012	12121071		PLC REPLACEMENT - PHASE 1	\$16,371.91	
149015	12/20/2012	20121203	CASA	CASA MEMBERSHIP DUES FOR 2013	\$18,000.00	\$18,000.00
148911	12/6/2012	761520121126	PACIFIC GAS AND ELECTRIC	SERVICE TO 11/26/12 NEWARK PS	\$15,127.61	\$15,127.61
149122	12/27/2012	525591	UNIVAR USA, INC	5,003 GALS SODIUM HYPOCHLORITE	\$2,462.88	\$12,150.98
	12/27/2012	525580		4,861 GALS SODIUM HYPOCHLORITE	\$2,392.98	
	12/27/2012	524612		4,938 GALS SODIUM HYPOCHLORITE	\$2,430.88	
	12/27/2012	524897		4,937 GALS SODIUM HYPOCHLORITE	\$2,430.39	
	12/27/2012	525069		4,944 GALS SODIUM HYPOCHLORITE	\$2,433.85	
148967	12/13/2012	9017307067	KEMIRA WATER SOLUTIONS, INC.	7.75 DRY TONS FERROUS CHLORIDE	\$5,840.69	\$11,764.28
	12/13/2012	9017306617		7.86 DRY TONS FERROUS CHLORIDE	\$5,923.59	
148985	12/13/2012	502012	THE MEJORANDO GROUP	COACHING & LEADERSHIP DEVELOPMENT TRNG	\$10,536.94	\$10,536.94

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149058	12/20/2012	50420	TESCO CONTROLS INC	BOYCE ROAD LIFT STATION	\$10,013.00	\$10,013.00
149144	1/3/2013	12152	D & L SUPPLY	MANHOLE FRAME 36-INCH A1426 W/2-PIECE	\$9,797.31	\$9,797.31
149180	1/3/2013	901022799	SIEMENS INDUSTRY INC	2,217 GALS HYDROGEN PEROXIDE	\$9,688.29	\$9,688.29
149007	12/20/2012	111257	BEECHER ENGINEERING	THICKENER CONTROL BLDG INTERIM IMPROV	\$2,400.00	\$9,350.00
	12/20/2012	111255		MCC REPLACEMENT - PHASE 2	\$5,440.00	
	12/20/2012	111251		COGENERATION PROJECT	\$1,350.00	
	12/20/2012	111252		PLC REPLACEMENT - PHASE 1	\$160.00	
149049	12/20/2012	102087	QUICKSTART INTELLIGENCE, INC.	IT TRAINING CLASSES	\$9,083.75	\$9,083.75
149050	12/20/2012	15234	RMC WATER & ENVIRONMENT	HAYWARD MARSH REGULATORY COMPLIANCE	\$8,450.00	\$8,450.00
148945	12/13/2012	25326	CONTRACT OFFICE GROUP INC	SCT-20-1011 FIXED NO LUMBAR BACK LCK	\$8,143.13	\$8,143.13
149051	12/20/2012	12121036002	SCADA SUPPORT GROUP	PRIMARY CLARIFIERS 1 - 4 REHABILITATION	\$2,942.08	\$7,762.16
	12/20/2012	12111071.2		PLC REPLACEMENT - PHASE 1	\$4,820.08	
149109	12/27/2012	97720121203	DAVID M O'HARA ATTY AT LAW	CIP LEGAL - NOVEMBER 12	\$2,026.50	\$7,465.50
	12/27/2012	86420121203		GENERAL LEGAL - NOV 12	\$5,439.00	
148988	12/13/2012	523301	UNIVAR USA, INC	4,940 GALS SODIUM HYPOCHLORITE	\$2,431.86	\$7,297.57
	12/13/2012	523051		4,940 GALS SODIUM HYPOCHLORITE	\$2,431.86	
	12/13/2012	523050		4,944 GALS SODIUM HYPOCHLORITE	\$2,433.85	
149113	12/27/2012	1209	QUANTUM RESOLVE INC	HANSEN 8 UPGRADE	\$7,242.14	\$7,242.14

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148921	12/6/2012	522837	UNIVAR USA, INC	4,889 GALS SODIUM HYPOCHLORITE	\$2,406.76	\$7,197.14
	12/6/2012	522046		4,793 GALS SODIUM HYPOCHLORITE	\$2,359.50	
	12/6/2012	522057		4,938 GALS SODIUM HYPOCHLORITE	\$2,430.88	
149124	12/27/2012	535398	VINCENT ELECTRIC MOTOR CO	MOTOR REPAIR BLOWER #10	\$6,482.96	\$6,482.96
149174	1/3/2013	15325	RMC WATER & ENVIRONMENT	LOCAL LIMITS & WASTEWATER TREATABILITY	\$6,276.25	\$6,276.25
149159	1/3/2013	37432220130101	LINCOLN FINANCIAL GROUP	LIFE & DISABILITY INSURANCE - JAN 2013	\$6,061.13	\$6,061.13
149157	1/3/2013	9017309700	KEMIRA WATER SOLUTIONS, INC.	8.03 DRY TONS FERROUS CHLORIDE	\$6,051.71	\$6,051.71
148900	12/6/2012	37432220121201	LINCOLN FINANCIAL GROUP	LIFE & DISABILITY INSURANCE - DEC 2012	\$6,041.24	\$6,041.24
149005	12/20/2012	2647	BAY AREA COATING CONSULTANT	COATING INSPECTION SERVICES	\$1,232.50	\$5,992.50
	12/20/2012	2715		BACC COATING INSPECTION THICKENER PROJ	\$3,740.00	
	12/20/2012	2716		COATING INSPECTIONS - BOYCE RD LS	\$1,020.00	
148898	12/6/2012	9017305418	KEMIRA WATER SOLUTIONS, INC.	7.61 DRY TONS FERROUS CHLORIDE	\$5,735.18	\$5,735.18
148992	12/13/2012	1149209	WALKERS HYDRAULICS INC	REMOVE 7K LIFT, REPLACE WITH 10K LIFT	\$5,733.30	\$5,733.30
149036	12/20/2012	9017307969	KEMIRA WATER SOLUTIONS, INC.	7.52 DRY TONS FERROUS CHLORIDE	\$5,667.35	\$5,667.35
148965	12/13/2012	W8X8860005	JACOBS ENGINEERING	FORCE MAIN IMPROVEMENTS	\$5,654.95	\$5,654.95
149059	12/20/2012	130567	TOTAL WASTE SYSTEMS INC	NOVEMBER 2012 GRIT DISPOSAL	\$5,395.41	\$5,395.41
149099	12/27/2012	9017308939	KEMIRA WATER SOLUTIONS, INC.	6.95 DRY TONS FERROUS CHLORIDE	\$5,237.78	\$5,237.78
149083	12/27/2012	20121219	COLLISON ENGINEERING	HAYWARD MARSH PERMIT METAL STUDY	\$5,136.16	\$5,136.16

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149136	1/3/2013	2635	BAY AREA COATING CONSULTANT	BACC COATING INSPECTION THICKENER PROJ	\$3,400.00	\$5,100.00
	1/3/2013	2667		BACC COATING INSPECTION THICKENER PROJ	\$1,700.00	
148915	12/6/2012	6491	PULTE HOME CORPORATION	REFUND # 16175	\$2,500.00	\$5,000.00
	12/6/2012	6423		REFUND # 16176	\$2,500.00	
148935	12/13/2012	9782	AVERY ASSOCIATES INC	RECRUITMENT SVC - DEPUTY GENERAL MANAGER	\$5,000.00	\$5,000.00
149183	1/3/2013	526000	UNIVAR USA, INC	4,993 GALS SODIUM HYPOCHLORITE	\$2,457.97	\$4,888.85
	1/3/2013	525982		4,938 GALS SODIUM HYPOCHLORITE	\$2,430.88	
148890	12/6/2012	XJ1218R34	DELL MARKETING LP C/O DELL USA	1 DELL PRECISION T3500 CMT	\$3,045.11	\$4,802.68
	12/6/2012	XJ11971P4		1 OPTIPLEX 7010 DESKTOP	\$1,757.57	
149112	12/27/2012	769041	POLYDYNE INC	41,960 LBS CLARIFLOC WE-539	\$4,767.50	\$4,767.50
148976	12/13/2012	766552	POLYDYNE INC	41,780 LBS CLARIFLOC WE-539	\$4,747.04	\$4,747.04
149071	12/27/2012	5068473	ALL INDUSTRIAL ELECTRIC SUPPLY	20 PIPE CLAMPS	\$199.63	\$4,702.92
	12/27/2012	5068341		ASTD PARTS & MATERIALS	\$737.44	
	12/27/2012	5068472		9 HI-BAY LED LIGHTS FOR WAREHOUSE	\$3,765.85	
149111	12/27/2012	29581613	PAN-PACIFIC SUPPLY COMPANY	1 SPLIT SEAL COMPLETE 442 2.5 INCH RSC/C	\$2,306.59	\$4,613.18
	12/27/2012	29581614		1 SPLIT SEAL COMPLETE 442 2.5 INCH RSC/C	\$2,306.59	
149047	12/20/2012	121127	PROSAFE	44 HRS HAZARDOUS WASTE MANAGEMENT	\$4,400.00	\$4,400.00
149003	12/20/2012	213	AUTOMATED NETWORK CONTROLS	THICKENER 3 AND 4 REHABILITATION	\$2,861.10	\$4,389.10
	12/20/2012	214		BOYCE ROAD LIFT STATION	\$1,528.00	

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149132	1/3/2013	121104988	AIRTECH MECHANICAL INC	SERVICE CALL: BLD 83 PURCHASING	\$450.00	\$4,265.98
	1/3/2013	121205000		SERVICE CALL: BLDG 70 LAB	\$1,429.30	
	1/3/2013	121104966		SERVICE CALL: BOILER SYS EXPANSION TANK	\$1,472.29	
	1/3/2013	121104967		SERVICE CALL: AC #4	\$914.39	
149082	12/27/2012	22708	COLLICUTT ENERGY SERVICES INC	ASTD COGEN PARTS	\$4,023.54	\$4,023.54
148986	12/13/2012	18123	THERMOTEST INC	INFRARED THERMOGRAPHIC INSPECTION	\$3,800.00	\$3,800.00
149170	1/3/2013	29581685	PAN-PACIFIC SUPPLY COMPANY	2 SEAL KIT SPLIT 442 4.5 IN CB/SC-VT	\$3,746.05	\$3,746.05
148979	12/13/2012	6449	RICH PRODUCTS CORPORATION	REFUND # 16178	\$3,680.00	\$3,680.00

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148943	12/13/2012	54140224	CINTAS CORPORATION	UNIFORM LAUNDERING SERVICE	\$461.03	\$3,493.73
	12/13/2012	54146989		UNIFORM LAUNDERING SERVICE	\$305.16	
	12/13/2012	54142490		ASTD DUST MOPS & TERRY TOWELS	\$53.50	
	12/13/2012	54144769		UNIFORM LAUNDERING SERVICE	\$294.16	
	12/13/2012	54140225		UNIFORM LAUNDERING SERVICE	\$363.31	
	12/13/2012	54142488		UNIFORM LAUNDERING SERVICE	\$361.74	
	12/13/2012	54142489		UNIFORM LAUNDERING SERVICE	\$417.66	
	12/13/2012	54149228		UNIFORM LAUNDERING SERVICE	\$295.66	
	12/13/2012	54149227		UNIFORM LAUNDERING SERVICE	\$277.80	
	12/13/2012	54146991		DUST MOPS, WET MOPS & TERRY TOWELS	\$87.25	
	12/13/2012	54144768		UNIFORM LAUNDERING SERVICE	\$277.80	
	12/13/2012	54146990		UNIFORM LAUNDERING SERVICE	\$298.66	
149063	12/20/2012	13711	V&A CONSULTING ENGINEERS INC	FORCE MAIN IMPROVEMENT	\$3,489.00	\$3,489.00
149066	12/20/2012	152171	W. BRADLEY ELECTRIC, INC.	PILOT FIBER SPLICE IN PLANT	\$3,478.68	\$3,478.68
149185	1/3/2013	20130101	VISION SERVICE PLAN - CA	JANUARY 2013 VISION STMT	\$3,208.32	\$3,208.32
148924	12/6/2012	20121201	VISION SERVICE PLAN - CA	DECEMBER 2012 VISION STMT	\$3,052.36	\$3,052.36

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148999	12/20/2012	4103603820121203	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 11/28/12-MTR HYD 19866544	\$397.94	\$3,032.35
	12/20/2012	4103598320121203		SERV TO: 11/28/12-MTR HYD B32896054	\$338.05	
	12/20/2012	4088644120121205		SERV TO: 12/05/12 - BOYCE ROAD	\$222.96	
	12/20/2012	4103603920121203		SERV TO: 11/28/12-MTR HYD B32896058	\$205.67	
	12/20/2012	4103599420121203		SERV TO: 11/28/12-MTR HYD 19866540	\$580.76	
	12/20/2012	4103603520121203		SERV TO: 11/28/12-MTR HYD 34041345	\$1,081.30	
	12/20/2012	4103603420121203		SERV TO: 11/28/12-MTR HYD 29454468	\$205.67	
148956	12/13/2012	98028	FRED PRYOR SEMINARS	ETHICS TRAINING	\$2,999.00	\$2,999.00
149070	12/27/2012	121104965	AIRTECH MECHANICAL INC	MAINT SERV/INSPECTION NOV 2012	\$2,997.00	\$2,997.00
148899	12/6/2012	2049725	LAB SUPPORT	TEMP LABOR-LASODE, A., WKEND 11/04/12	\$871.06	\$2,813.74
	12/6/2012	2050305		TEMP LABOR-LASODE, A., BACKGROUND CK FEE	\$28.00	
	12/6/2012	2051933		TEMP LABOR-LASODE, A., WKEND 11/11/12	\$846.40	
	12/6/2012	2044907		TEMP LABOR-LASODE, A., WKEND 10/21/12	\$345.14	
	12/6/2012	2047151		TEMP LABOR-LASODE, A., WKEND 10/28/12	\$723.14	
149042	12/20/2012	56348	OPTIMUM SOLUTIONS INC	OPTIMUM ANNUAL SUPPORT FEE	\$2,761.00	\$2,761.00
148951	12/13/2012	20121115	ENFO TECH & CONSULTING INC	ECMS IMPLEMENTATION	\$2,730.00	\$2,730.00
149110	12/27/2012	203135	PACHECO BROTHERS GARDENING INC	LANDSCAPE MAINTENANCE SERVICES -DEC 2012	\$1,468.00	\$2,673.00
	12/27/2012	203136		WEED ABATEMENT WORK DEC 2012	\$1,055.00	
	12/27/2012	203137		LANDSCAPE MAINTENANCE SERVICES -DEC 2012	\$150.00	

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149014	12/20/2012	6280	BZ PLUMBING COMPANY, INC.	REFUND # 16191	\$2,500.00	\$2,500.00
149048	12/20/2012	62580	PULTE HOME CORPORATION	REFUND # 16190	\$2,500.00	\$2,500.00
149093	12/27/2012	858751	GROENIGER AND COMPANY	50 BAGS RAPID SET CONCRET MIX	\$756.56	\$2,469.06
	12/27/2012	8587511		ASTD PARTS & MATERIALS	\$1,712.50	
149133	1/3/2013	4017420220121214	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 12/12/12 - FREMONT BLVD	\$14.93	\$2,454.66
	1/3/2013	4017274120121213		SERV TO: 12/12/12 - FREMONT BLVD	\$2,401.91	
	1/3/2013	4017275220121213		SERV TO: 12/12/12 - FREMONT BLVD	\$37.82	
149090	12/27/2012	219733	CITY OF FREMONT	MISC. SPOT REPAIRS PHASE 4	\$2,409.84	\$2,409.84
149120	12/27/2012	5361728	SIGNET TESTING LABS INC	MISC SPOT REPAIRS PHASE 4	\$-386.00	\$2,400.00
	12/27/2012	5346214		MISC SPOT REPAIRS PHASE 4	\$2,786.00	
148933	12/13/2012	3881219	AT&T	SERV: 10/20/12 - 11/19/12	\$15.66	\$2,378.19
	12/13/2012	3875419		SERV: 10/20/12 - 11/19/12	\$2,362.53	
149060	12/20/2012	523791	UNIVAR USA, INC	4,789 GALS SODIUM HYPOCHLORITE	\$2,357.53	\$2,357.53
148888	12/6/2012	20121125	DALE HARDWARE INC	11/12 ASTD PARTS & MATERIALS	\$1,038.97	\$2,283.63
	12/6/2012	20121025		10/12 ASTD PARTS & MATERIALS	\$1,244.66	
148971	12/13/2012	20121211	MARCO LOPEZ	COMPUTER LOAN	\$2,275.29	\$2,275.29
149119	12/27/2012	394.3	SCHEIDEGGER & ASSOCIATES	THICKENER CONTROL BUILDING IMPROVEMENTS	\$2,212.54	\$2,212.54
149027	12/20/2012	68920	GHD INC	BOYCE ROAD LIFT STATION	\$2,209.62	\$2,209.62
149164	1/3/2013	472271	MISSION CLAY PRODUCTS LLC	ASTD CLAY PRODUCTS	\$2,184.84	\$2,184.84

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148918	12/6/2012	15226	RMC WATER & ENVIRONMENT	LOCAL LIMITS & WASTEWATER TREATABILITY	\$2,133.75	\$2,133.75
149032	12/20/2012	1322204	HANSON AGGREGATES INC	9.94 TONS 1/2 MED TYPE A AC-R	\$724.25	\$2,065.65
	12/20/2012	1318517		18.41 TONS 1/2" MED TYPE A AC-R	\$1,341.40	
148901	12/6/2012	3682313	MALLORY SAFETY AND SUPPLY LLC	ASTD GLOVES, VESTS, JKTS, & OVERALLS	\$1,427.91	\$1,975.72
	12/6/2012	3683270		4 EA HI-VIS JACKETS	\$143.56	
	12/6/2012	3683347		SAFETY SUPPLIES	\$404.25	
149177	1/3/2013	1470822004	SAN LEANDRO ELECTRIC SUPPLY	3 CONDUIT LL18 1/2 INCH PVC COATED	\$46.04	\$1,971.95
	1/3/2013	1488506001		3 CONDUIT LL18 1/2 INCH PVC COATED	\$120.90	
	1/3/2013	1491459002		ASTD PARTS & MATERIALS	\$532.17	
	1/3/2013	1490306001		70 LAMP FLOURESCENT & 2 LAMPS METAL HALI	\$512.78	
	1/3/2013	1488165001		ASTD PARTS & MATERIALS	\$706.18	
	1/3/2013	1490306002		10 T-BRACKET 4 HOLE SUPERSTRUTS	\$65.28	
	1/3/2013	1488511001		RETURN 3 CONDUIT LL18 1/2 INCH PVC	\$-46.04	
	1/3/2013	1491459001		20 CONDUIT FITTING STEEL REDUCING BUSHIN	\$34.64	
149095	12/27/2012	16330079	HASLER INC.	HASLER EQUIP MAINT-SERV & AGREEMENT	\$1,949.88	\$1,949.88
148997	12/20/2012	58609	3T EQUIPMENT COMPANY INC	5 PIPEPATCH KIT - WINTER & 2 JARS GREASE	\$1,948.32	\$1,948.32
148955	12/13/2012	227016	FRANK A OLSEN COMPANY	ASTD PARTS & MATERIALS	\$1,903.81	\$1,903.81
149188	1/3/2013	28466	WECO INDUSTRIES LLC	REPAIR OZ2 CAMERA	\$694.95	\$1,748.07
	1/3/2013	28489		11 FLAT ROOT SAW BLADES	\$1,053.12	

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149138	1/3/2013	49929	BEESON, TAYER & BODINE APC	FACILITATION AND CONSULTATION SERVICES	\$1,723.22	\$1,723.22
149056	12/20/2012	20121218	TIMOTHY TEALE	EXP REIMB: 2013 SSPC CONFERENCE	\$1,718.30	\$1,718.30
148980	12/13/2012	7547628807	ROYAL WHOLESALE ELECTRIC	ANNUAL ALLEN BRADLEY SUPPORT	\$1,692.76	\$1,692.76
148940	12/13/2012	256057	BRENNTAG PACIFIC, INC.	5769 GAL SODIUM HYDROXIDE	\$1,094.78	\$1,669.87
	12/13/2012	256058		2885 GAL SODIUM HYDROXIDE	\$575.09	
149001	12/20/2012	916001548281	ALLIED WASTE SERVICES #916	RECYCLE & ROLL OFF - NOVEMBER 2012	\$1,645.41	\$1,645.41
149129	12/27/2012	1204517110	WRA ENVIRONMENTAL CONSULTANTS	FORCE MAIN CONSTRUCTION	\$1,594.24	\$1,594.24
149092	12/27/2012	9007493282	GRAINGER INC	1 ROLLING STAIR	\$1,588.88	\$1,588.88
149103	12/27/2012	41697726	MCMMASTER SUPPLY INC	6 EA LOW-PRESSURE ALUM PIPE FITTING	\$104.79	\$1,534.43
	12/27/2012	430338445		ASTD PARTS & MATERIALS	\$198.20	
	12/27/2012	42947029		ASTD PARTS & MATERIALS	\$343.13	
	12/27/2012	42992773		2 EA COUPLINGS & NIPPLES	\$65.19	
	12/27/2012	42969160		2 EA FITTINGS	\$105.84	
	12/27/2012	42965864		1 EA FLOWMETER	\$256.97	
	12/27/2012	42997942		5 EA EXIT SIGNS	\$110.75	
	12/27/2012	428966463		ASTD PARTS & MATERIALS	\$151.12	
	12/27/2012	43023483		1 PACK FLUORESCENT BULBS	\$66.25	
	12/27/2012	43033846		ASTD ALUMINUM PIPE & FITTINGS	\$132.19	

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148959	12/13/2012	1315404	HANSON AGGREGATES INC	10.39 TONS 1/2 MED TYPE A AC	\$757.04	\$1,487.85
	12/13/2012	1314969		10.03 TONS 1/2 MED TYPE A AC	\$730.81	
148974	12/13/2012	20121130	NAPA AUTO PARTS	MONTHLY AUTO PARTS STMT - NOV 2012	\$1,412.18	\$1,412.18
148947	12/13/2012	236020	CURTIS & TOMPKINS LTD	33 LAB SAMPLE ANALYSIS	\$1,395.00	\$1,395.00
148872	12/6/2012	58552	3T EQUIPMENT COMPANY INC	2 PIPEPATCH KIT - WINTER	\$1,386.00	\$1,386.00
149116	12/27/2012	974758	ROCHESTER MIDLAND CORPORATION	HOT WATER LOOP SERVICE	\$684.33	\$1,368.66
	12/27/2012	981226		HOT WATER LOOP SERVICE	\$684.33	
148948	12/13/2012	XJ1617DM4	DELL MARKETING LP C/O DELL USA	FY13R&R VMWARE ESXI SERVERS	\$1,303.66	\$1,303.66
149106	12/27/2012	472261	MISSION CLAY PRODUCTS LLC	15 EA CLAY COUPLINGS	\$1,234.20	\$1,234.20
149186	1/3/2013	823	VON EUW TRUCKING	48.6 TONS 3/4" CLASS 2 AB VIRGIN	\$1,207.92	\$1,207.92
149098	12/27/2012	8058	IRON MOUNTAIN	OFF-SITE STORAGE AND SERVICE - NOV 2012	\$256.71	\$1,200.28
	12/27/2012	5222		OFF-SITE STORAGE AND SERVICES NOV 2012	\$725.60	
	12/27/2012	103783915		DATAMEDIA OFF-SITE STORAGE - NOV 2012	\$217.97	
148952	12/13/2012	759115	EVERGREEN OIL, INC.	RECYCLE HAZ MATERIALS	\$1,195.00	\$1,195.00
149024	12/20/2012	6757	DRAIN DOCTOR	REFUND # 16192	\$650.00	\$1,150.00
	12/20/2012	6722		REFUND # 16194	\$500.00	
149156	1/3/2013	402810	INDUSTRIAL FABRICS CORPORATION	1 EA DUROTEX BELT	\$1,148.70	\$1,148.70
148958	12/13/2012	8020611	GROENIGER AND COMPANY	ASTD PARTS & MATERIALS	\$1,135.11	\$1,135.11

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149139	1/3/2013	9657860	BLAISDELL'S	1 BX FOLDERS	\$92.48	\$1,133.06
	1/3/2013	9654990		3 LTR INDEX	\$41.59	
	1/3/2013	9656450		1 WALL CALENDAR	\$16.38	
	1/3/2013	9657110		1 PK TAK FASTENER	\$3.27	
	1/3/2013	9657040		4 WALL CALENDARS	\$65.51	
	1/3/2013	9657041		5 PKS 7MM LEAD	\$5.41	
	1/3/2013	9649100		ASTD OFFICE SUPPLIES	\$204.69	
	1/3/2013	9653220		ASTD OFFICE SUPPLIES	\$90.03	
	1/3/2013	9658950		1 DESK PAD	\$7.31	
	1/3/2013	9654100		ASTD OFFICE SUPPLIES	\$36.25	
	1/3/2013	9653790		ASTD OFFICE SUPPLIES	\$126.71	
	1/3/2013	9657030		1 BX TONER	\$436.90	
	1/3/2013	9657080		2 PKS TAK FASTENER	\$6.53	
148990	12/13/2012	20024	VALLEY OIL COMPANY	4 PAILS MOBIL SHC 634 GEAR OIL	\$1,119.81	\$1,119.81
148934	12/13/2012	237	AUTOMATED NETWORK CONTROLS	SCADA / PLC PROGRAMMING SERVICES	\$1,110.25	\$1,110.25
148932	12/13/2012	431248	A-PRO PEST CONTROL INC	WASP NEST	\$85.00	\$1,090.00
	12/13/2012	410888		NOVEMBER PEST CONTROL	\$1,005.00	
149166	1/3/2013	5328601	NELSON STAFFING SOLUTIONS	TEMP LABOR-GOYENA, L., WKEND 12/02/12	\$1,080.00	\$1,080.00

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149019	12/20/2012	236073	CURTIS & TOMPKINS LTD	26 LAB SAMPLE ANALYSIS	\$855.00	\$1,075.00
	12/20/2012	236122		15 LAB SAMPLE ANALYSIS	\$220.00	
149125	12/27/2012	746	VON EUW TRUCKING	8 HRS SPOILS DUMP FEE	\$1,074.00	\$1,074.00
148991	12/13/2012	8052278929	VWR INTERNATIONAL LLC	10 PKS FILTER GLASS FIBR 4.25CM	\$667.19	\$1,072.41
	12/13/2012	8052246277		1 CS DETERGENT LIQUI-NOX 1 GL	\$189.11	
	12/13/2012	8052262089		1 PH BUFFER 6.86 - 0.01 1 GALLON	\$28.90	
	12/13/2012	8052249094		1 SULFATE STANDARD 16OZ	\$17.23	
	12/13/2012	8052262088		1 BRUCINE-SULFANILIC ACID 16OZ	\$42.57	
	12/13/2012	8052238287		2 PKS HYDROGEN SULFUR DETECTOR TUBES	\$127.41	
149148	1/3/2013	171917128	FREMONT URGENT CARE CENTER	47 FLU VACCINES	\$1,040.00	\$1,040.00
149150	1/3/2013	9016331002	GRAINGER INC	ASTD PARTS & MATERIALS	\$308.73	\$1,020.74
	1/3/2013	9016331010		2 LOAD HUGGERS	\$40.26	
	1/3/2013	9014022579		2 UNION COUPLINGS	\$643.56	
	1/3/2013	9018757725		1 INTERIOR PANEL	\$28.19	
149052	12/20/2012	4868173120612	SIERRA SPRING WATER COMPANY	WATER SERVICE 11/09/12-12/06/12	\$779.92	\$1,009.92
	12/20/2012	8122768120612		BOTTLESS COOLERS RENTAL	\$230.00	
149073	12/27/2012	410889	A-PRO PEST CONTROL INC	DECEMBER PEST CONTROL	\$1,005.00	\$1,005.00
149046	12/20/2012	6748	PLUMBING CONNECTION	REFUND # 16188	\$500.00	\$1,000.00
	12/20/2012	6749		REFUND # 16189	\$500.00	

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149178	1/3/2013	792446	SEW-EURODRIVE INC	1 BVS FORCED VENT DT90/100	\$988.81	\$988.81
149108	12/27/2012	24790885	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$957.76	\$957.76
149084	12/27/2012	20121127	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$957.42	\$957.42
149158	1/3/2013	2061086	LAB SUPPORT	TEMP LABOR-LASODE, A., WKEND 12/09/12	\$920.36	\$920.36
148886	12/6/2012	44563931	CINTAS FIRE PROTECTION	INSPECTION,QTRLY,SPRINKLER SYSTEM WET	\$250.00	\$920.00
	12/6/2012	44564006		INSPECTION,QTRLY,SPRINKLER SYSTEM WET	\$250.00	
	12/6/2012	44057076		MONITORING PHONE ANNUAL	\$420.00	
149075	12/27/2012	215	AUTOMATED NETWORK CONTROLS	SCADA / PLC PROGRAMMING SERVICES	\$918.70	\$918.70
149161	1/3/2013	90798	MCINERNEY & DILLON, P.C.	LEGAL SERVICES	\$175.00	\$910.00
	1/3/2013	90797		LEGAL SERVICES	\$735.00	
148944	12/13/2012	44057457	CINTAS FIRE PROTECTION	INSPECTION, SEMI ANNUAL ALARM SYSTEM	\$908.00	\$908.00
149004	12/20/2012	20121214	ROGER S. BAILEY	TRAVEL REIMB: DEPUTY GM APPLICANT	\$898.93	\$898.93
148878	12/6/2012	3853326	AT&T	SERV: 10/13/12-11/12/12	\$798.16	\$892.16
	12/6/2012	3862617		SERV: 10/13/12-11/12/12	\$94.00	
148877	12/6/2012	124074	ASHBROOK SIMON HARTLEY	60 - 2.0 GBT NOZZLES	\$878.82	\$878.82
149040	12/20/2012	24791402	MOTION INDUSTRIES INC	2 EA U JOINTS	\$624.56	\$857.01
	12/20/2012	24790682		ASTD PARTS & MATERIALS	\$232.45	
149026	12/20/2012	116517108	FREMONT URGENT CARE CENTER	PHYSICAL EXAMS & NEW HIRE PHYSICALS	\$840.00	\$840.00

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148903	12/6/2012	41747119	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$100.30	\$839.53
	12/6/2012	40634530		2 EA STRAINER SCREENS	\$220.87	
	12/6/2012	41589921		ASTD PARTS & MATERIALS	\$518.36	
149165	1/3/2013	24791959	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$455.85	\$820.54
	1/3/2013	24792553		1 EA MPD 35 CXU PIL BLK	\$364.69	
148920	12/6/2012	1484796002	SAN LEANDRO ELECTRIC SUPPLY	2 CONDUIT TEE PVC COATED 1 INCH	\$166.71	\$802.94
	12/6/2012	1484796001		ASTD PARTS & MATERIALS	\$636.23	
149013	12/20/2012	257498	BRENNTAG PACIFIC, INC.	1282 GAL SODIUM HYDROXIDE	\$243.29	\$790.77
	12/20/2012	258587		2885 GAL SODIUM HYDROXIDE	\$547.48	
149143	1/3/2013	236484	CURTIS & TOMPKINS LTD	25 LAB SAMPLE ANALYSIS	\$790.00	\$790.00
149008	12/20/2012	20121213	JUDI BERZON	TRAVEL REIMB: CALPELRA CONFERENCE	\$789.43	\$789.43
149100	12/27/2012	2058781	LAB SUPPORT	TEMP LABOR-LASODE, A., WKEND 12/02/12	\$788.88	\$788.88
148927	12/6/2012	7707665	XYLEM WATER SOLUTIONS USA INC	2 STATIONARY WEAR RINGS	\$769.55	\$769.55
148975	12/13/2012	666720121130	PACIFIC GAS AND ELECTRIC	SERV TO 11/20/12 PASEO PADRE PS	\$171.28	\$765.77
	12/13/2012	892820121130		SERV TO 11/29/12 HAYWARD MARSH	\$170.18	
	12/13/2012	096020121130		SERV TO 11/29/12 CATHODIC PROJECT	\$42.23	
	12/13/2012	380420121130		SERV TO 11/28/12 CHERRY ST PS	\$181.80	
	12/13/2012	898220121130		SERV TO 11/29/12 FREMONT PS	\$200.28	
149076	12/27/2012	9798	AVERY ASSOCIATES INC	DEPUTY GENERAL MANAGER RECRUITMENT	\$756.55	\$756.55

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148907	12/6/2012	24790790	MOTION INDUSTRIES INC	CREDIT FOR SHEAVES ON INV 24790087	\$-97.11	\$752.00
	12/6/2012	24790229		8 EA OILS SEALS	\$40.74	
	12/6/2012	24790691		ASTD SHEAVES & POWER BELTS	\$127.06	
	12/6/2012	24790847		8 EA AIR FILTERS	\$681.31	
148930	12/13/2012	2111330	ALPHA ANALYTICAL LABORATORIES	54 LAB SAMPLE ANALYSIS	\$747.00	\$747.00
149114	12/27/2012	8200000006195	RED WING SHOE STORE	SAFETY SHOES - CS, TPO, CIP & MMT	\$739.86	\$739.86
149181	1/3/2013	90925223	SPX FLOW TECHNOLOGY USA INC	1 FILTER CARTRIDGE GAS PARTICLE DOLLINGE	\$735.44	\$735.44
149054	12/20/2012	90898984	SPX FLOW TECHNOLOGY USA INC	1 FILTER CARTRIDGE GAS PARTICLE DOLLINGE	\$734.45	\$734.45
148882	12/6/2012	254024	BRENNTAG PACIFIC, INC.	3846 GAL SODIUM HYDROXIDE	\$729.86	\$729.86
149140	1/3/2013	261913	BRENNTAG PACIFIC, INC.	3846 GAL SODIUM HYDROXIDE	\$729.86	\$729.86
149142	1/3/2013	277389	CALTROL INC	2 GAUGES	\$720.56	\$720.56
148926	12/6/2012	28332	WECO INDUSTRIES LLC	6 CONCAVE ROOT SAW STANDARD BLADES	\$708.71	\$708.71
149091	12/27/2012	77805005795	GLIDDEN PROFESSIONAL	ASTD PAINT	\$701.82	\$701.82
149069	12/27/2012	1112093	AIRSIS, INC.	PTS SOFTWARE SUPPORT - WYE REPLACEME	\$687.50	\$687.50
148879	12/6/2012	87896581211252012 AT&T		SERV. 10/18/12-11/17/12	\$679.06	\$679.06
149163	1/3/2013	90658336	METAL SUPERMARKETS	ASTD METAL PRODUCTS	\$589.74	\$675.82
	1/3/2013	90658393		120 INCHES HR FLAT	\$51.15	
	1/3/2013	90658363		ASTD METAL PRODUCTS	\$34.93	

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149078	12/27/2012	9649920	BLAISDELL'S	1 COAT HOOK	\$15.28	\$661.86
	12/27/2012	9647260		1 COAT HOOK	\$6.33	
	12/27/2012	9638610		1 ELECTRIC HOLE PUNCH	\$142.01	
	12/27/2012	9645060		ASTD OFFICE SUPPLIES	\$72.85	
	12/27/2012	9645100		2 CHAIRMATS	\$192.26	
	12/27/2012	9650520		2 - 15 TAB LETTER INDEX	\$44.12	
	12/27/2012	9647260C		1 COAT HOOK - RETURN	\$-6.33	
	12/27/2012	9648580		3 POWER STRIPS	\$75.35	
	12/27/2012	9650680		ASTD OFFICE SUPPLIES	\$119.99	
149028	12/20/2012	9004366580	GRAINGER INC	1 GREASE GUN	\$315.62	\$660.84
	12/20/2012	9976423146		2 RELAY PINS	\$31.11	
	12/20/2012	9966075815		4 ROLLING LADDERS	\$5,241.16	
	12/20/2012	9000460619		2 RELAY PINS	\$-31.11	
	12/20/2012	9970502473		3 ROLLING LADDERS	\$-3,930.87	
	12/20/2012	9004366572		ASTD PARTS & MATERIALS	\$345.22	
	12/20/2012	9985901573		1 ROLLING LADDER	\$-1,310.29	
149152	1/3/2013	72076	H20 PRECISION INC	10 EA DRILL 1" HOLES IN MANHOLE LIDS	\$300.00	\$630.00
	1/3/2013	72021		11 EA DRILL 1" HOLES IN MANHOLE LIDS	\$330.00	

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149038	12/20/2012	42731379	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$98.28	\$628.47
	12/20/2012	42558737		1 PACK ALUMINUM HEX NUTS	\$14.22	
	12/20/2012	42597839		ASTD PARTS & MATERIALS	\$164.88	
	12/20/2012	42619954		ASTD PARTS & MATERIALS	\$351.09	
149080	12/27/2012	44057783	CINTAS FIRE PROTECTION	INSPECTION, ANNUAL ALARM SYSTEM	\$616.00	\$616.00
148969	12/13/2012	2054374	LAB SUPPORT	TEMP LABOR-LASODE, A., WKEND 11/18/12	\$608.10	\$608.10
149147	1/3/2013	2727055	FERGUSON ENTERPRISES INC.	1 6X6 FLG SGL SPHERE FLEX CONN	\$272.70	\$607.28
	1/3/2013	2730681		ASTD PARTS & MATERIALS	\$334.58	
149089	12/27/2012	9222	FREMONT EXPRESS COURIER SVC	COURIER SERVICES: NOV 2012	\$570.00	\$570.00
148972	12/13/2012	3685504	MALLORY SAFETY AND SUPPLY LLC	2 PR MENS BOOTS	\$90.69	\$567.09
	12/13/2012	3685818		2 PR HIP BOOTS	\$172.40	
	12/13/2012	3684262		1 DZ GLOVES	\$49.71	
	12/13/2012	3685972		10 EA REFLECTIVE VESTS	\$163.33	
	12/13/2012	3685820		5 EA HIGH-VIS OVERALLS	\$90.96	
149074	12/27/2012	3903780	AT&T	SERV. 11/01/12-11/30/12	\$566.31	\$566.31
149068	12/27/2012	9906197424	AIRGAS NCN	19 CYLINDAR RENTAL	\$565.65	\$565.65
148994	12/13/2012	8427	WESTERN MACHINE & FAB INC	MACHINE MINIMUM CLEANUP	\$310.00	\$550.00
	12/13/2012	8359		DRILL & TAP PLATE	\$240.00	
149145	1/3/2013	8207	EAST BAY MUNI UTILITY DISTRICT	6 LAB SAMPLE ANALYSIS	\$543.00	\$543.00

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149104	12/27/2012	90658261	METAL SUPERMARKETS	120 INCHES EA HR SQUARE TUBE & HR BAR CH	\$264.19	\$539.89
	12/27/2012	90658231		120 INCHES HR SQUARE TUBE	\$101.75	
	12/27/2012	90658244		ASTD METAL PRODUCTS	\$173.95	
149121	12/27/2012	26649	THOMAS AND ASSOCIATES	2 GASKETS, 1 WEAR PLATE & 1 SEAL ASSY	\$526.22	\$526.22
148902	12/6/2012	90601	MCINERNEY & DILLON, P.C.	LEGAL SERVICES - HEADWORKS IMPROV PROJ	\$525.00	\$525.00
149081	12/27/2012	38386	CITYLEAF INC	PLANT MAINTENANCE - DEC 2012	\$515.68	\$515.68
149023	12/20/2012	20121220	KATHRYN DESTAFNEY	EXP REIMB: BS WORK GROUP RECOGNITION	\$506.00	\$506.00
148880	12/6/2012	2521666194	BANK OF NEW YORK	OCTOBER 2012 SERVICE FEE	\$500.00	\$500.00
148931	12/13/2012	6733	ALPHA PLUMBING & ROOTER SERV	REFUND # 16179	\$500.00	\$500.00
148966	12/13/2012	6496	JOHN XU	REFUND # 16180	\$500.00	\$500.00
148998	12/20/2012	6695	GEORGE ABOUMRAD	REFUND # 16199	\$500.00	\$500.00
149009	12/20/2012	6635	DEB PRIYA BHATTACHARJEE	REFUND # 16187	\$500.00	\$500.00
149041	12/20/2012	6683	MR. ROOTER - SAN JOSE	REFUND # 16193	\$500.00	\$500.00
149101	12/27/2012	7015	LOOKINGPOINT INC	MONTHLY PREMIER SUPPORT AGRMT- DEC 2012	\$500.00	\$500.00
149172	1/3/2013	6751	PLUMBING CONNECTION	REFUND # 16203	\$500.00	\$500.00
148939	12/13/2012	9638090	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$100.47	\$490.08
	12/13/2012	9640010		ASTD OFFICE SUPPLIES	\$149.55	
	12/13/2012	9635830		ASTD OFFICE SUPPLIES	\$136.28	
	12/13/2012	9639710		ASTD OFFICE SUPPLIES	\$103.78	

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149167	1/3/2013	20121226.1	SHAWN NESGIS	EXP REIMB: CS SFTY REC DEC - GAS CARDS	\$75.00	\$485.51
	1/3/2013	20121227.2		EXP REIMB: LUNCH SAFETY SITE VISIT	\$140.51	
	1/3/2013	20121227.1		EXP REIMB: 80 DISP CAMERAS FOR VEH FLEET	\$270.00	
149031	12/20/2012	8043538	HACH COMPANY	2 PACKS COD DIGESTION VIALS	\$480.25	\$480.25
148995	12/13/2012	2131579	WHAT'S HAPPENING INC	AD NAME: UNION SANITARY - TURKEY AD	\$467.50	\$467.50
149102	12/27/2012	3688919	MALLORY SAFETY AND SUPPLY LLC	10 EA OVERALLS & 4 EA JACKETS	\$298.81	\$439.99
	12/27/2012	3688798		ASTD GLOVES & HAND SANITIZER	\$94.77	
	12/27/2012	3687793		1 CS PURELL HAND SANITIZER	\$46.41	
148909	12/6/2012	20121128	SHAWN NESGIS	EXP REIMB: CS SFTY RECOG GIFT CERT	\$60.00	\$435.00
	12/6/2012	20121204		EXP REIMB: QUICK CAL MEASURING DEVICE	\$375.00	
149107	12/27/2012	205864	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - DEC 2012	\$430.45	\$430.45
149037	12/20/2012	3686980	MALLORY SAFETY AND SUPPLY LLC	ASTD GLOVES	\$430.32	\$430.32
149117	12/27/2012	2187920001	S & S SUPPLIES & SOLUTIONS	100 SWEAT BANDS & 2 BXS EAR PLUGS	\$429.68	\$429.68
149034	12/20/2012	600482497	HILLYARD/SAN FRANCISCO	3 CS PAPER PLATES	\$427.62	\$427.62
149154	1/3/2013	600497119	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$268.25	\$419.79
	1/3/2013	600497120		ASTD JANITORIAL SUPPLIES	\$151.54	
148875	12/6/2012	33216	ALLIED PACKING AND SUPPLY CO	50 GASKETS	\$410.37	\$410.37
148929	12/13/2012	5067768	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$341.46	\$407.95
	12/13/2012	5067786		20 MIDGET FUSES	\$66.49	

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148925	12/6/2012	8052232413	VWR INTERNATIONAL LLC	1 CS VWR TAPE ASSORTMENT	\$48.61	\$407.24
	12/6/2012	8052191911		1 CS VWR MEDICINE CUP PP 1OZ	\$85.18	
	12/6/2012	8052185445		1 PK MICROFIBRE GLS GF 12.5CM	\$273.45	
149011	12/20/2012	20121218	CURTIS BOSICK	EXP REIMB: BOYCE RD LUNCH/FREMONT PERMIT	\$405.89	\$405.89
148978	12/13/2012	8920341	QUIKRETE NORTHERN CALIFORNIA	56 BGS 60# BLACKTOP PATCH	\$388.10	\$388.10
149094	12/27/2012	8053529	HACH COMPANY	ASTD BOD NUTRIENT BUFFER PILLOWS	\$99.94	\$387.91
	12/27/2012	8058120		2 EA ELECTRICAL CALIBRATION MATERIAL	\$287.97	
149010	12/20/2012	9640661	BLAISDELL'S	6 APPT BOOKS	\$78.59	\$386.81
	12/20/2012	9640660		ASTD OFFICE SUPPLIES	\$308.22	
149128	12/27/2012	22054	WILEY PRICE & RADULOVICH LLP	1.4 HRS LABOR & EMPLOYMENT LAW FEES	\$378.00	\$378.00
149184	1/3/2013	1139365702	VERIZON WIRELESS	WIRELESS SERV 10/21-11/20/12	\$284.53	\$357.67
	1/3/2013	1145683815		WIRELESS SERV 11/13-12/12/12	\$73.14	
149105	12/27/2012	34443	METROMOBILE COMMUNICATIONS INC	RADIO EQUIPMENT	\$333.38	\$333.38
148874	12/6/2012	1174	ALAMEDA COUNTY TREASURER	111 ASSESSOR'S MAPS	\$333.00	\$333.00
148938	12/13/2012	2542	BAY POWER LLC	ASTD PARTS & MATERIALS	\$330.63	\$330.63
149097	12/27/2012	600488110	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$328.37	\$328.37

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148984	12/13/2012	3187143146	STAPLES CONTRACT & COMMERCIAL	RETURN 1 SEB REMAN TONER HP 51X HY	\$-117.97	\$327.58
	12/13/2012	3187143147		2 BXS FOLDERS ENDTAB CLASS 1EX LTR GY	\$63.10	
	12/13/2012	3187143145		15 BXS COFFEE FILTERS & 210 RLS TOWELS	\$230.24	
	12/13/2012	3187143149		5 METAL NAME PLATES	\$62.82	
	12/13/2012	3187143151		ASTD OFFICE SUPPLIES - BS	\$-37.73	
	12/13/2012	3187143144		2 PKS FORKS COMPOSTABLE	\$28.38	
	12/13/2012	3187143150		ASTD OFFICE SUPPLIES - BS	\$58.25	
	12/13/2012	3187143148		2 PKS MAGNETIC PUSH PINS ASST	\$40.49	
149162	1/3/2013	43183541	MCMASTER SUPPLY INC	1 EA STEEL BALL VALVE	\$90.72	\$325.47
	1/3/2013	43120849		ASTD PARTS & MATERIALS	\$28.70	
	1/3/2013	43249402		ASTD PARTS & MATERIALS	\$206.05	
148946	12/13/2012	20121130	CSMFO - CALIF SOCIETY OF	REGIS: CSMFO ANNUAL CONF (M. SCOTT)	\$325.00	\$325.00
148881	12/6/2012	9629220	BLAISDELL'S	4 SORTERS	\$52.40	\$322.83
	12/6/2012	9632450		1 EA SORTER	\$13.10	
	12/6/2012	9630560		ASTD OFFICE SUPPLIES	\$62.55	
	12/6/2012	9627600		1 DAILY DIARY	\$67.72	
	12/6/2012	9630110		ASTD OFFICE SUPPLIES	\$127.06	
149130	12/27/2012	65294623	XEROX CORPORATION	MTHLY MAINTENANCE BASED ON USE	\$41.00	\$322.78
	12/27/2012	65294618		MTHLY MAINTENANCE BASED ON USE	\$281.78	

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148914	12/6/2012	20121204	PETTY CASH	PETTY CASH REPLENISHMENT	\$312.44	\$312.44
149021	12/20/2012	35513	DATCO	DEC 2012 SERVICE FEE	\$309.40	\$309.40
149017	12/20/2012	27560R	CLAREMONT BEHAVIORAL SERVICES	DOT DRUG AND ALCOHOL TRAINING	\$300.00	\$300.00
149087	12/27/2012	11973	DUBLIN SAN RAMON SVCS DISTR	2013 ALAMEDA CO. SCIENCE&ENG FAIR SPONSOR	\$300.00	\$300.00
149160	1/3/2013	3691077	MALLORY SAFETY AND SUPPLY LLC	ASTD GLOVES	\$279.08	\$279.08
149135	1/3/2013	193575	AUTO BODY TOOLMART	4 ROLOC BRISTLE DISCS	\$271.99	\$271.99
148936	12/13/2012	1238680	BARNETT MEDICAL SERVICES LLC	50 LBS PHARMACEUTICAL WASTE REMOVAL	\$95.00	\$269.00
	12/13/2012	1238511		160 LBS PHARMACEUTICAL WASTE REMOVAL	\$174.00	
149118	12/27/2012	807885401	SANDERSON SAFETY SUPPLY CO	3 ABSORBENT PAD 20X16 EXTRA HEAVY DUTY	\$265.33	\$265.33
149187	1/3/2013	8052453174	VWR INTERNATIONAL LLC	1 PK ADAPTOR THRD BTL 38MM	\$14.29	\$264.66
	1/3/2013	8052460795		1 BENCH PROTECTOR BYTAC 25IN X5YD	\$250.37	
149029	12/20/2012	8020612	GROENIGER AND COMPANY	ASTD PARTS & MATERIALS	\$251.28	\$251.28
148895	12/6/2012	9807A	HAYWARD PIPE AND SUPPLY	ASTD PARTS & MATERIALS	\$243.68	\$243.68
148989	12/13/2012	20121201	USA MOBILITY WIRELESS, INC.	DECEMBER 2012 PAGER SERVICE	\$229.19	\$229.19
149022	12/20/2012	XJ1NJPCW2	DELL MARKETING LP C/O DELL USA	2 Q2 LAPTOPS	\$225.79	\$225.79
148923	12/6/2012	36654	VALLEY POWER SYSTEMS INC	12 VALVE COV GASKETS	\$223.20	\$223.20
148919	12/6/2012	2179256003	S & S SUPPLIES & SOLUTIONS	480 RAYOVAC AA BATTERIES	\$204.52	\$221.37
	12/6/2012	2173121006		2 MONOGOGGLE VENTED AMERICAN ALLSAFE	\$16.85	
148993	12/13/2012	42571	WEST COAST COMPRESSOR	2 FILTER LEROI 43-848-1 CHANNEL BLOWER	\$221.25	\$221.25

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148964	12/13/2012	264082853	IDEXX DISTRIBUTION INC	2 PACKS COLILERT-18	\$221.20	\$221.20
149190	1/3/2013	20121228.2	TODD YAMELLO	EXP REIMB: PE LICENSE	\$125.00	\$213.00
	1/3/2013	20121228.1		EXP REIMB: WEF MEMBERSHIP	\$88.00	
149168	1/3/2013	26945	OWEN EQUIPMENT SALES	6 EA SCREENS 80 MESH	\$202.64	\$202.64
149149	1/3/2013	1176234500	GLACIER ICE COMPANY INC	107 BAGS ICE	\$200.88	\$200.88
148887	12/6/2012	235745	CURTIS & TOMPKINS LTD	4 LAB SAMPLE ANALYSIS	\$200.00	\$200.00
149053	12/20/2012	4217	SKIL-PAINTING, INC.	SANDBLAST STEEL FAN HOUSING	\$200.00	\$200.00
149146	1/3/2013	1000295368	ENVIRONMENTAL EXPRESS	2 FILTERMATE 0.45 MICRON PN# SCO 404 100	\$198.50	\$198.50
148977	12/13/2012	51424	PURRFECT AUTO SERVICE	FRONT WHEEL ALIGNMENT	\$164.95	\$194.90
	12/13/2012	51521		SMOG INSPECTION	\$29.95	
149189	1/3/2013	20130102	WEF-WATER ENVIRONMENT FEDERATI	WEF MEMBERSHIP R PIPKIN	\$187.00	\$187.00
149044	12/20/2012	20121219	MARY PEDRO	EXP REIMB: CIP EOY RECOGNITION	\$182.92	\$182.92
148905	12/6/2012	41465864	MCMMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$178.73	\$178.73
149126	12/27/2012	8052416644	VWR INTERNATIONAL LLC	4 BDH BUFFER PH 10 BLUE 4L CUBE	\$177.38	\$177.38
149064	12/20/2012	20121217	SOHAN VIRDEE	THIRD PARTY CLAIM	\$175.00	\$175.00
149115	12/27/2012	203825	RKI INSTRUMENTS INC	3 HYDROPHOBIC FILTERS	\$172.07	\$172.07
149057	12/20/2012	421517640	TELEPACIFIC COMMUNICATIONS	WIRELESS INTERNET BACKUP - DECEMBER	\$161.39	\$161.39
148950	12/13/2012	20121213	KATHRYN DESTAFNEY	EXP REIMB: MANAGEMENT LUNCH MEETING	\$160.00	\$160.00
148962	12/13/2012	600477436	HILLYARD/SAN FRANCISCO	6 EA ARSENAL TOP CLEAN	\$151.92	\$151.92

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148922	12/6/2012	9853452	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 11/10/12	\$150.69	\$150.69
149002	12/20/2012	89339	ARISTA BUSINESS IMAGING	SERVICE CALL: HP CLJ 5550	\$150.00	\$150.00
148942	12/13/2012	364424	CHEMETRICS INC	3 EA FORMALDEHYDE CHEMETS REFILL	\$147.19	\$147.19
148910	12/6/2012	20121203	PAT O'NEAL	EXP REIMB: QAI PANEL REFRESHMENTS	\$140.10	\$140.10
149006	12/20/2012	575915	BAY AREA NEWS GROUP EAST BAY	AD: THICKENER CONTROL BLDG IMPROVEMENTS	\$138.96	\$138.96
148913	12/6/2012	20121203	PAPA - PESTICIDE APPLICATORS	PAPA MEMBERSHIP RENEWALS - CS	\$135.00	\$135.00
149035	12/20/2012	5358779	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$126.52	\$126.52
149153	1/3/2013	3F8571	HARRINGTON INDUSTRIAL PLASTICS	6 EA SOLVENT	\$124.47	\$124.47
149179	1/3/2013	765567541	SHARP BUSINESS SYSTEMS	MTHLY MAINTENANCE BASED ON USE	\$115.62	\$115.62
148884	12/6/2012	252696	CENTERVILLE LOCKSMITH	2 KEYS	\$3.59	\$114.51
	12/6/2012	252707		2 KEYS	\$7.61	
	12/6/2012	253425		1 BRAS TAG 100 BX	\$103.31	
148987	12/13/2012	13077621	TRI DIM FILTER CORPORATION	60 TRI-DEK 15/40 2 PLY PAD	\$114.06	\$114.06
148973	12/13/2012	42086661	MCMMASTER SUPPLY INC	4 EA HYDRAULIC BOTTLE JACKS	\$111.60	\$111.60
148937	12/13/2012	147249	BAY CENTRAL PRINTING	500 BUSINESS CARDS: AL BUNYI	\$107.07	\$107.07
149077	12/27/2012	147512	BAY CENTRAL PRINTING	500 BUSINESS CARDS: A. BAILE	\$107.07	\$107.07
149137	1/3/2013	147664	BAY CENTRAL PRINTING	500 BUSINESS CARDS: N. WALKER	\$107.07	\$107.07
148957	12/13/2012	9001748004	GRAINGER INC	6 PRESSURE GAUGES	\$104.86	\$104.86
149016	12/20/2012	20121217	DEREK CHIU	EXP REIMB: CANON CAMERA	\$103.11	\$103.11

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149085	12/27/2012	20121221	CWEA-NRTC	SEMINAR REG: J. ROLETT/M. DEL TORO	\$100.00	\$100.00
148960	12/13/2012	3f8089	HARRINGTON INDUSTRIAL PLASTICS	2 EA ADAPTERS & BUSHINGS	\$29.02	\$97.23
	12/13/2012	3F7966		6 EA STRAINER SCREENS	\$68.21	
148906	12/16/2012	41475931	MCMMASTER SUPPLY INC	8 EA PROPANE CYLINDERS	\$95.40	\$95.40
148954	12/13/2012	2718622	FERGUSON ENTERPRISES INC.	ASTD PARTS & MATERIALS	\$30.99	\$94.15
	12/13/2012	27155491		26 PLTD RIGID STRUT CLMP	\$63.16	
149033	12/20/2012	3F8138	HARRINGTON INDUSTRIAL PLASTICS	1 EA 1" VALVE BALL TUBV S/T CPVC	\$74.86	\$89.74
	12/20/2012	3F8219		4 EA 2" X 1" BUSHING MPTXFPT PVC	\$14.88	
148928	12/13/2012	9010449628	AIRGAS NCN	ASTD PARTS & MATERIALS	\$88.32	\$88.32
149012	12/20/2012	20121210	CINDY BOZE	BACKFLOW TESTING SERVICE	\$85.00	\$85.00
148970	12/13/2012	20121207	ARMANDO LOPEZ	EXP REIMB: CLEANING SUPPLIES FOR PLANT	\$82.28	\$82.28
149131	1/3/2013	9010907604	AIRGAS NCN	ASTD PARTS & MATERIALS	\$80.77	\$80.77
149045	12/20/2012	176620	PK SAFETY SUPPLY	10 BXS ALLEGRO 0350 LENS CLEANING WIPES	\$79.70	\$79.70
149176	1/3/2013	85340220121221	SAN FRANCISCO WATER DEPT	SERVICE 11/19/12 TO 12/19/12	\$66.40	\$66.40
148889	12/6/2012	20121203	ANTHONY DEJESUS	EXP REIMB: DMV TEST	\$66.00	\$66.00
148963	12/13/2012	997720121127	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - NOV 2012	\$65.52	\$65.52
149171	1/3/2013	167250	PK SAFETY SUPPLY	8 BXS ALLEGRO 0350 LENS CLEANING WIPES	\$64.93	\$64.93
148961	12/13/2012	35569020020121130	HAYWARD WATER SYSTEM	WATER SERV 09/17/12-11/15/12	\$64.40	\$64.40
149155	1/3/2013	506119	HULBERT LUMBER SUPPLY	ASTD LUMBER SUPPLIES	\$63.69	\$63.69

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
148996	12/13/2012	7708339	XYLEM WATER SOLUTIONS USA INC	STATIONARY WEAR RING RETURN	\$-280.58	\$58.43
	12/13/2012	7708786		1 WEAR ROTATING RING	\$339.01	
148993	12/6/2012	565260	FERGUSON ENTERPRISES INC.	24 EA PLTD RIGID STRUT CLMP	\$58.31	\$58.31
149000	12/20/2012	5068200	ALL INDUSTRIAL ELECTRIC SUPPLY	5 PIPE CLAMPS	\$53.87	\$53.87
148904	12/6/2012	41454921	MCMMASTER SUPPLY INC	2 FLASHLIGHTS & 1 HOLSTER	\$53.09	\$53.09
148892	12/6/2012	116641	FASTENAL	ASTD PARTS & MATERIALS	\$52.75	\$52.75
148876	12/6/2012	86403255	APPLIED INDUSTRIAL TECHNOLOGIE	2 V BELTS	\$50.88	\$50.88
149123	12/27/2012	9853482	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 12/01/12	\$50.68	\$50.68
148891	12/6/2012	615320121118	DISH NETWORK	DECEMBER 2012 - SERVICE FEE	\$49.82	\$49.82
149039	12/20/2012	90558193	METAL SUPERMARKETS	.69 SQ FT AL PLATE	\$47.85	\$47.85
148917	12/6/2012	52672	REMOTE SATELLITE SYSTEMS INTL	IRIDIUM SVC FEE DECEMBER 12	\$41.50	\$41.50
149151	1/3/2013	9007828560	GRAINGER INC	1 NUMBER SET	\$39.45	\$39.45
148896	12/6/2012	5356627	HOSE & FITTINGS ETC	1 EA 16VTX-S	\$15.24	\$38.26
	12/6/2012	5357021		ASTD PARTS & MATERIALS	\$23.02	
148873	12/6/2012	9010225906	AIRGAS NCN	ASTD PARTS & MATERIALS	\$34.69	\$34.69
149141	1/3/2013	945507	STATE OF CALIFORNIA	NEW HIRE FINGERPRINTS	\$32.00	\$32.00
148897	12/6/2012	505474	HULBERT LUMBER SUPPLY	ASTD LUMBER SUPPLIES	\$31.44	\$31.44
148916	12/6/2012	51391	PURRFECT AUTO SERVICE	SMOG INSPECTION	\$29.95	\$29.95
148912	12/6/2012	20121204	VICTOR PADILLA	LIVE SCAN FEE	\$25.00	\$25.00

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
149061	12/20/2012	9853472	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 11/24/12	\$22.64	\$22.64
149169	1/3/2013	224720121221	PACIFIC GAS AND ELECTRIC	SERV TO 12/20/12 CS TRAINING TRAILER	\$22.08	\$22.08
148981	12/13/2012	2179256004	S & S SUPPLIES & SOLUTIONS	480 RAYOVAC AA BATTERIES CREDIT	\$-204.52	\$19.75
	12/13/2012	2183766001		144 BATTERY ALKALINE D CELL	\$136.87	
	12/13/2012	2183766002		8 TOWELS SCRUBS IN A BUCKET	\$87.40	
149096	12/27/2012	10089	HAYWARD PIPE AND SUPPLY	1 EA BUSHING	\$15.23	\$15.23
148885	12/6/2012	422024	CENTERVILLE SAW AND TOOL	3 SPARK PLUGS	\$14.45	\$14.45
149065	12/20/2012	8052301006	VWR INTERNATIONAL LLC	2 AIR FILTER-SPECTROMETER	\$12.69	\$12.69
149020	12/20/2012	846067	DALE HARDWARE INC	ASTD PARTS & MATERIALS	\$9.50	\$9.50
148894	12/6/2012	3F7807	HARRINGTON INDUSTRIAL PLASTICS	2 EA 1-1/2" ADAPTERS	\$4.70	\$4.70

Invoices:

Credit Memos :	11	-6,448.55
\$0 - \$1,000 :	358	98,126.03
\$1,000 - \$10,000 :	133	432,026.10
\$10,000 - \$100,000 :	28	860,775.74
Over \$100,000 :	4	749,672.99
Total:	534	2,134,152.31

Checks:

\$0 - \$1,000 :	183	67,522.06
\$1,000 - \$10,000 :	106	364,552.14
\$10,000 - \$100,000 :	25	830,287.00
Over \$100,000 :	5	871,791.11
Total:	319	2,134,152.31

DATE: December 17, 2012

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer

SUBJECT: Legislative Committee - December 19, 2012
**LEGISLATIVE COMMITTEE UPDATE ON STATE, NATIONAL
AND REGIONAL ISSUES OF INTEREST TO THE BOARD**

Information on State, National and Regional Issues

California

The legislature is now in recess, but will look different when they reconvene in January to begin a new 2-year legislative session. Democrats now have a 2/3 majority in both the Assembly and Senate, and a democratic governor. According to Senator Corbett, the legislators have been advised by the leadership to exercise discretion in Sacramento in the coming session and keep spending at reasonable levels.

Anticipated CEQA Overhaul. The Governor and democratic leadership in the Legislature are planning to introduce legislation in the coming session to conduct reforms in the California Environmental Quality Act. Although no specific details have been released, the concept is to update the 1970 law to modernize and streamline processes for getting projects approved or dismissed. Senators Steinberg and Rubio have been meeting with environmentalists, developers, and tribal groups among others to explore concepts for a future bill.

CalPERS files Objection to San Bernardino Bankruptcy. CalPERS filed a formal objection to the eligibility of the City of San Bernardino to file bankruptcy. The letter encourages the court to force the City to improve its management and accounting practices in lieu of proceeding with Bankruptcy. At the heart of CalPERS' objections is the fact that the City owes them \$7 million in payments since it filed its bankruptcy petition in August. CalPERS notes that the City assumes it can stay in bankruptcy without paying its post-petition obligations. In the meantime, CalPERS is paying retirement benefits to 1100 retirees in the City.

Federal Issues

Sequestration Cuts to SRF Programs. Eight industry organizations have sent a letter to the House and Senate Leadership urging them to resolve the "fiscal cliff" issues to avoid 8.2% cuts to clean water programs that would result if no action is taken. Cuts would include \$120 million to clean water SRF programs, \$75 million to

drinking water SRF programs, \$20 million to water pollution control grants and \$20 million in other programs. Organizations in the coalition include NACWA, WEF, APWA and AWWA.

EPA Denies NRDC Petition. The US EPA issued a strong letter denying the petition by the National Resources Defense Council seeking to include nationwide limits for the discharge of nutrients by POTWs. The petition would require uniform limits on the discharge of ammonia, phosphorus and other compounds to local waterways. The EPA indicated in its response that the major reasons for the denial were technical constraints and costs associated with a uniform national limit. The EPA's preferred method to addressing the issue is through site specific (local) water quality based permitting.

Survey on Recycled Water. General Electric conducted a survey associated with its business practice of water treatment equipment and technology that found 2/3 of Americans feel positive about water re-use and 83% were concerned about the availability of clean water in the future. The survey also confirmed that American's are reluctant to include recycled water in their drinking water supply, with only 30% supporting the concept.

Supreme Court to Hear Los Angeles Storm Water Case. The Supreme Court will hear the case of Los Angeles County Flood Control District vs. the NRDC to determine who is responsible for polluted storm water that comes from urban runoff. The NRDC and Los Angeles Waterkeeper contend that the District is responsible for regulating high levels of aluminum, copper, cyanide, zinc and fecal coliform present in stormwater runoff flowing into the Los Angeles and San Gabriel Rivers. The group cites that last year there were 126 violations of bacterial limits. These rivers are fed from thousands of drains in the County's 84 cities.

Local and Regional Issues

ACWD Rate Increase. ACWD recently announced a rate increase of nearly \$7.50 per month for 2013. The rate increase is targeted at capital improvements for replacement of water mains and seismic retrofit. Upgrades are expected to total \$400 million and the increase will raise about \$8 million annually to be used for payment of associated financing obligations. Construction is anticipated to begin in 2015.

Reporting Requirements Discontinued. The SF Regional Water Board has notified wastewater agencies that we are no longer required to submit annual reports on Sanitary Sewer Overflows or annual SSMP audit reports. USD will likely continue preparing an annual report for the Board's information.

Castro Valley Sanitary District Appoints new Board Member. Melody Appleton was recently sworn in to take the place of Harry Francis on the Castro Valley San District Board. Ms. Appleton owns her own management consulting firm and has been a Castro Valley resident for 17 years. Her term will end in December of 2014.

Volumetric Pricing for Sewer Services in Sonoma Valley. Sonoma Valley County Sanitation District will begin charging customers based on water usage instead of the standard flat rate. The Board cites fairness and encouraging water conservation as the reasons for the change. The charges will now be based in part on a fixed amount to cover fixed costs (70%) and a surcharge of \$4.30 per 1000 gallons used to cover volume related costs (30%). CASA anticipates legislation this year sponsored by environmental groups requiring volumetric pricing as a way to promote conservation.

Santa Clara Valley Water District Building Advanced Recycling Plant. SCVWD is constructing a new \$65 million water recycling plant that will produce 10 mgd of highly treated wastewater. The plant is a test facility that will be completed by the middle of next year and will use microfiltration, reverse osmosis and ultraviolet disinfection to produce ultra-pure water.

Alameda County Pharmaceutical Take-back Program Challenged. The Pharmaceutical Research and Manufacturers of America and two other organizations are suing the County in Federal court over its recently adopted take-back program that requires pharmaceutical companies to design and pay for the program on a county-wide basis. The suit claims the County Ordinance violates the Federal Commerce Clause. Across the country, similar lawsuits have been filed against agencies implementing similar programs.

New Food Waste Digester Project Commissioned. A private partnership began operation of an anaerobic digestion system in the Sacramento area. The system will convert 10,000 tons per year of food waste and organic materials from food processing companies, restaurants and supermarkets into methane gas and electricity and use the residuals for compost. The project, by Clean World Partners, cost \$13 million and will be followed by a second project to construct capacity up to 40,000 tons per year.

Microsoft Project using Digester Gas. Microsoft announced a project in Cheyenne Wyoming that will take digester gas that is currently being flared to a Fuel Cell facility to generate electricity. The power generated will be used to power Microsoft's nearby data center housing massive banks of servers providing processing and storage for the internet. The project will be part of a program to help Microsoft become a carbon neutral company in the future.



News Clippings

Meeting of January 14, 2013



Board of Supervisors

Nathan A. Miley, President

Supervisor, District 4

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1221 Oak Street, Suite 536
Oakland, CA 94612
510-272-8694/510-465-7628 Facsimile

Eden Area District Office
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Castro Valley, CA 94546
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FOR IMMEDIATE RELEASE

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New County Policy Requires Drug Makers to Pick Up Disposal Costs

OAKLAND, July 24, 2012_ The Alameda County Board of Supervisors passed a new policy, the first in the country, requiring drug companies to pay for collecting and disposing of leftover drugs they manufacture. The unanimous vote today positions the County as a national leader for its producer responsibility approach on addressing the problem of what residents should do with their unused and expired medications.

"I am proud that we've found a more sustainable policy solution that promotes good will and corporate social responsibility," said Supervisor Nate Miley, President of the Alameda County Board of Supervisors. "The community's growing demand for more permanent and convenient medication disposal sites goes far beyond what the County can fund and operate on its own."

Currently, there are 28 med collection sites throughout Alameda County, which dispose of discarded medications at a cost of \$40,000 per year. The collection sites are operated by 10 different agencies and labor is donated by many participating agencies such as East Bay Municipal Utility District, Union Sanitary District and the City of San Leandro. Of the annual \$186 million in profits generated by drug companies in Alameda County, officials say the projected cost of a comprehensive program producer-funded program would be about 1 cent for every \$33 of pharmaceuticals sold in the County.

Alameda County has become the first local government in the country to enact a policy mandating pharmaceutical companies design, operate and fund a collection program. The effort has attracted wide support from a variety of cities and agencies throughout the Bay Area and across the country struggling with the same issue.

"This ordinance is the low hanging fruit that gives us something that we can do now to help avoid medication waste from getting into our environment at the source," said Andria Ventura, Program Manager at Clean Water Action in San Francisco. "It makes financial, environmental and social sense."

The Alameda County Medication Education Disposal Safety Coalition (MEDS), a local grassroots organization, partnered with Miley's office to bring the legislation forward. MEDS is concerned about senior safety issues and prescription drug abuse by adults and children.

In addition to local support, letters have been submitted from across the country by organizations and individuals such as political figure and environmental attorney Robert F. Kennedy Jr. He states in a letter, "I applaud Alameda County's leadership and encourage the county to proceed and adopt the ordinance and I hope that this leads to action nationally."

The scarcity of medication collection sites has led residents to stockpile drugs in their homes, throw medications in the trash or flush them down the toilet – all of which have public health, safety and environmental risks.

The Safe Drug Disposal Ordinance is based on an Extended Producer Responsibility (EPR) policy framework, adopted by CalRecycle in 2008, which places primary responsibility on minimizing the environmental, health and public safety impact on whoever produces a product.

According to Alameda County Household Hazardous Waste Programs about 1.5 million of the county's residents have as much as 681 tons of unwanted drugs stockpiled in medicine cabinets. Poisoning is also the fastest rising cause of accidental death among older adults in the county particularly from prescription and illicit drugs.

MUD-AGEDDON

Aging iron water pipe bursts, and the ensuing mudslide buries cars, befouls park



Above: Cleanup crews work near vehicles stranded by a mudslide in Daly City at the intersection of Lausanne Avenue and Clayton Court on Tuesday morning. Right: The break in the pipe installed in the 1930s sent water and mud cascading into the neighborhood, burying cars up past their wheels and leaving a mess in Hillside Park. **See story, Page B4**

KARL MONDON/STAFF PHOTOS



ONLINE EXTRA

Scan this code with a smartphone to see a slideshow or view it at <http://photos.mercurynews.com>.

45,000 GALLONS OF WATER

A mud flood in Daly City

1930s-era water pipe bursts, caking street and cars

By Joshua Melvin

jmelvin@bayareanewsgroup.com

DALY CITY — A city water pipe installed in the 1930s split in two early Tuesday morning sending some 45,000 gallons of water and a river of mud washing into a neighborhood street and park.

About a dozen cars parked along Lausanne Avenue near Bonnie Street had mud caked up to the top of their wheels or higher, but no homes were flooded or damaged, officials said. The mess kept crews in heavy equipment busy all day scooping up mud and helping residents free their cars from it.

The 8-inch city-owned pipe tore open in a hillside above the flooded neighborhood around 4:20 a.m. It feeds water to and from a 970,000 gallon reservoir tank atop of the hill. City crews had the flow pinched off by roughly 4:50 a.m. and no customers were out of water, said Patrick Sweetland, director of the Daly City sewer and water department.

He said the age of the cast iron pipe was a "critical factor" in the leak, as the strength of the lines can be compromised with time.

But what caused it to finally "shear off" Tuesday was unclear, Sweetland said.

In the less than one hour the pipe was spewing water, it gouged a trench in the hillside that was 40 feet deep in some places and over 200 foot long.

The sandy soil was quickly carried downhill and was deposited mostly on a one-block section of



KARL MONDON/STAFF

Cars stuck in the mud are shown on Lausanne Avenue in Daly City below a visible landslide in Hillside Park, where a reservoir pipe broke Tuesday morning.



Lausanne and a grassy part of a Hillside Park.

Michael Jennings, who

lives on the mud-covered block of Lausanne, said he was awakened by police and was one of about 12 homeowners told to evacuate. The massive flow of water was confusing at first because it wasn't raining.

"I was half asleep," he said. "I thought it was a joke."

But when he saw that mud had collected midway up his 2011 BMW's wheels, he knew it was real. He said he'd ask his insurance company to replace the vehicle, which was still stuck in the mud Tuesday afternoon.

City officials said it wasn't immediately clear if residents' or the city's in-

surance would pay for damage. Insurance experts said the city would likely be on the hook for damage to residents' property.

However, any car owners with comprehensive coverage could expect their insurance carrier to pay a claim, said Pete Moraga, a spokesman for the Insurance Information Network of California. Car owners with lower coverage levels could ask the city to pay for damage stemming from the mud and flood.

Contact Joshua Melvin at 650-348-4335. Follow him at Twitter.com/melvinreport.

Carbon auction a 'success'

State raises \$289 million in nation's first sale of pollution permits; \$233 million to help offset expected rise in residential utility rates

By Dana Hull

dhull@mercurynews.com

State regulators on Monday celebrated the results of last week's first-ever auction of California greenhouse gas emission permits, declaring the long-awaited kickoff to the nation's first effort to put a price on carbon pollution a success.

The state did not disclose how many companies participated in the historic auction. But there were three times as many bidders as buyers, a sign that the business community is taking the new carbon market seriously. A ton of carbon sold for \$10.09 at the auction, just slightly above the

\$10 floor price established by regulators, according to data released by the California Air Resources Board.

More important, all of the 23.1 million permits offered at the auction to cover 2013 emissions were purchased, raising \$233 million and calming fears that the market would be under-subscribed.

The money will be funneled to residential customers of the state's utilities to offset higher electricity rates that are expected to result from the shift to clean energy. Under a proposal released Friday, California residents would twice a year get a "climate dividend" worth about \$30.

While some speculated that the nation's biggest banks would jump into the new carbon market and buy up allowances, 97 percent of the allowances were purchased by "compliance entities," or companies that must reduce their greenhouse gas emissions.

"The first auction of carbon allowances was a success," Mary Nichols, chairwoman of the Air Resources Board, said during a conference call with journalists. "This is an important milestone for our state. By putting a price on carbon, we know we are be-

See **CREDITS**, Page 4



PAUL SAKUMA/ASSOCIATED PRESS ARCHIVES

Chevron, which operates this Richmond refinery, was registered to participate in the cap-and-trade auction.

Credits

Continued from Page 1

ginning the process of breaking our dependence on fossil fuels."

California's cap-and-trade program is the cornerstone of the state's landmark global warming law, known as AB32, that was signed by Gov. Arnold Schwarzenegger in 2006. AB32 includes a suite of regulations meant to dramatically reduce emissions of heat-trapping gases, including requiring utilities to obtain 33 percent of their electricity from renewable sources by 2020.

Under the program, the state sets an overall emissions "cap" for individual California companies that emit more than 25,000 metric tons of carbon dioxide or other greenhouse gases. Those that reduce emissions below their cap can sell or trade their unused allowances to companies that exceed their limits. If the system works as designed, the most efficient companies will be financially rewarded, polluters will pay and greenhouse gases will be dramatically reduced.

An independent market monitor verified the results of last week's auction and found no evidence of collusion or manipulation in the bidding process, according to Nichols.

The Air Resources Board did not release a list of which companies participated in the auction and which stayed on the sidelines. But several of the state's largest entities, including Chevron, ConAgra, the Regents of the University of California and Valero were among the list of "qualified bidders," which meant they registered for the auction and were approved to participate. The bids themselves were sealed and will not be made public. Companies that did not participate could take part in future auctions.

"The auction itself was designed to be done on a

confidential basis," Nichols said. "These are private decisions businesses are making: whether they will reduce emissions or purchase allowances."

The state also auctioned 39.5 million permits that cover 2015 emissions; of those only 5.6 million allowances were sold, all at \$10 a ton. The \$55 million raised goes into a new Air Pollution Control Fund.

Nathaniel Keohane, an economist and vice president of the Environmental Defense Fund, said the auction put California "on a low-carbon economy pathway" and was "a great success with no surprises."

Petroleum refiners, manufacturing companies and other industries have been outspoken opponents of the program, calling it an illegal tax that will hurt California's economic recovery. Last week, the California Chamber of Commerce filed a lawsuit seeking to invalidate the cap-and-trade auction, arguing that the Air Resources Board exceeded the authority granted under AB32.

"Our concern is not the price," Loren Kaye, president of the California Foundation for Commerce and Education, a think tank affiliated with the CalChamber, said Monday. "It's that the auction itself is a revenue raiser that was not authorized by the law."

But cleantech venture capitalists cheered the outcome. Rob Day of Black Coral Capital in Boston has been watching California's experiment closely.

"The price of carbon matters, but the price is going to change over time. It's more important to me to see that there was an appetite for these credits," Day said. "This is a robust market. It's real. It's not going away. California is pricing carbon, and companies are saying, 'I need to start paying attention to my carbon footprint.'"

Contact Dana Hull at 408-220-2706. Follow her at [Twitter.com/danahull](https://twitter.com/danahull).

Dec 4, 2012 TRI CITY
Newark resident wins free sewer service for a Year

SUBMITTED BY MICHELLE POWELL

You never know what might lead to an early holiday treat. For Newark resident Lynne Mercer, reading Union Sanitary District's (USD) "Customer Focus" newsletter led to winning the District's "Win Free Sewer Service For A Year" contest, and an unexpected rebate in the mail.

The contest was a feature in the seventh annual issue of USD's "Customer Focus" newsletter, delivered to all residents and businesses in the Tri-City area in September. The newsletter, published to inform the District's customers about the utility and the services, can also be read online on USD's "Links and Glossary" page at www.unionsanitary.ca.gov.

The most recent issue highlighted USD's Irvington Pump Station Solar Facility in Fremont, the District's Plant Operators, who work 24/7/365 to serve the Tri-Cities, and various infrastructure renewal and replacement projects. Newsletter readers were encouraged to visit USD's website and complete an online survey that entered them into the contest. A computer program randomly chose Mercer's entry number as the winner. Mercer's favorite story was about the Solar Facility, which saves on energy costs while maximizing the use of District resources, but she found the entire newsletter to be very educational about USD's services. "It was full of useful information," she notes.

Mercer, a realtor who works on the Peninsula, enjoyed the "Homeowner Information" pages on USD's website, which give advice about sewer repairs and safety, homeowner do's and don'ts for healthy household drains, and tips for helping the environment. "As a realtor, I'm always looking for knowledge to pass on to people," she comments. "It's a good reference."

Mercer has lived in Newark's The Lake neighborhood since 1990. She will receive a check to offset the residential sewer service charge of \$319.55 that was billed along with her property tax this year. Mercer hasn't decided how she'll spend her winnings yet, but the work she and her husband do for Kiwanis International will have an influence. "I'll probably donate a portion to charity and use the rest to treat us to a nice night out at a restaurant," she says.

For more information, visit: www.unionsanitary.ca.gov.

LOCAL NEWS



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ALAMEDA COUNTY ORDINANCE

Drugmakers sue to block law

Industry fights requirement that companies pay for unused meds' disposal

By **Angela Woodall**

awoodall@bayareanewsgroup.com

Big Pharma and its generic brethren teamed up in a lawsuit against Alameda County over the nation's first drug take-back program, which would make manufacturers responsible for leftover pharmaceuticals and the cost of

their disposal.

The lawsuit, filed Friday, called the ordinance confusing, duplicative and unnecessarily burdensome on consumers and the environment.

But the real driver behind the lawsuit is an attempt to prevent other local governments from

making drug companies absorb the responsibility and costs for the tens of thousands of pounds of unwanted pharmaceuticals that otherwise end up in waterways, landfills or medicine cabinets, where they can be fatal. The lawsuit could have groundbreaking effects on how the country decides

to deal with the growing problem.

In fact, Supervisor Nate Milley said the county is still working with the state to "step up to the plate" with an effective way to regulate the unwanted drugs but was worried legislation from Sacramento would be "watered down." So the county decided to move ahead with its own rules.

"We've been expecting it, but just didn't know when," Milley said

of the lawsuit filed by the Pharmaceutical Research and Manufacturers of America, the Biotechnology Industry Organization and the Generic Pharmaceutical Association in the U.S. District Court for the Northern District of California.

They have long argued that the appropriate place for unused

See **LAWSUIT**, Page 2

Lawsuit

Continued from Page 1

products is the trash, the toilet or drop boxes, usually located in local law enforcement agencies. There are 128 such drop-off sites in the Bay Area.

The three allies blocked take-back programs launched in dozens of states in 2011, which the Generic Pharmaceutical Association called "onerous and burdensome" in its 2011 annual report. The ordinance puts

"unprecedented" responsibilities on prescription drug manufacturers — and only those manufacturers — to develop, manage, execute and fund operations, the companies complained. Those duties, they continued, are more properly the responsibility of local and municipal governments and require other local entities to be effective.

Executives also argued that the program would do little to deal with the overabundance of leftover drugs, of which 60,000 pounds were disposed in

Bay Area drop boxes in 2009 alone.

But the heart of the lawsuit is money.

"The ordinance favors local interests by deliberately shifting costs away from local consumers and taxpayers and onto drug manufacturers and pharmaceutical consumers nationwide," the lawsuit states.

The companies want residents here to shoulder the cost, even though the industry is paying for similar pilot programs in Canada and San Francisco. San Francisco's, however,

is voluntary.

Alameda County's ordinance, in contrast, is mandatory and prevents the industry from imposing fees to pay for the program.

That means, according to Big Pharma executives, the costs will be passed on to consumers from other parts of the country, who will not benefit from the program. The manufacturers argue that it is unconstitutional and harms seniors and others on fixed incomes.

Alameda County based the ordinance on take-back

programs for batteries and paint.

The difference, Generic Pharmaceutical Association spokesman Greg Howard said, is that the producers of those items don't have to foot the bill for their disposal. "Why are we being singled out?"

Alameda County Counsel Donna Ziegler said manufacturers do not have to pass on the cost to any consumers. The ordinance, she added, was crafted to prevent them from doing exactly that and makes them stewards.

Stewardship gives them the ability to be creative about developing a cost-effective way to do it. "They could work together to shoulder the cost," she said.

The \$300 billion-plus industry, particularly lobbyists and Pharmaceutical Research and Manufacturers of America, were invited early on in the process to help craft the ordinance, which took more than a year to bring to a vote in July.

"They didn't shape it," Ziegler said. "Their idea was 'don't do it.'"

Ceremony

Continued from Page 1

mony on the U.S. Coast Guard base in Alameda.

The ceremony featured prayers, a rifle volley and renditions of patriotic songs.

Other **Page 238 of 242** k place throughout the country, including at Pearl Harbor, Hawaii, where a



Transit overlay districts adopted

Measure will establish four areas in Fremont as transportation hubs

BY WES BOWERS

In an effort to make City of Fremont more mass-transit friendly, Fremont City Council voted 3-0 Nov. 13 to approve a transit overlay ordinance that would establish transit-oriented districts within half a mile of existing systems.

Councilwoman Sue Chan recused herself because she owns property in one of the four areas and councilman Dominic Dutra was absent.

According to City of Fremont staffers, the purpose of transit-oriented districts is to create a compact, high intensity mix of residential, office, retail, service and public uses that promote areas that have a high potential for pedestrian activity near existing and future transit stations.

The district offers additional development potential, reduced parking standards and minimum development requirements for select properties, staff said.

Those select properties will be located within a half-mile radius of the Centerville ACE/Amtrak train station, the Fremont Bay Area Rapid Transit Station, and future stations located in Irvington and Warm Springs, staff said.

Properties in these select areas will not be permitted to house certain auto-oriented, low-intensity or low-employee generating uses such as warehousing, distribution, mini-storage, rail yards and freight terminals, auto-related uses and storage, and drive-through facilities.

They will be permitted to house urban residential and commercial/retail mixes, civic uses and open space.

In addition, there will be development standards in each district under the ordinance.

The city center has the highest development intensity potential, with a minimum of 50 units an acre to be allowed there, staff said.

Town centers and general commercial areas in each district will be allowed a minimum of 30 units per acre.

While there will be few urban residential areas in each district, there will be 50 dwelling units an acre as well, staff said.

In addition, parking standards are set in the proposed districts. Commercial uses will be allowed a maximum four parking spaces for every 1,000 square feet, while mixed use commercial will be allowed three spaces for every 1,000 square feet.

Medical uses in these districts will also be allowed four spaces for every 1,000 square feet, while assembly uses, such as a performing arts center, would be allowed one space for every three seats inside.

Restaurants will be allowed similar parking standards, at one space for every 3.5 seats inside.

The city hopes transit-oriented districts will attract residents and businesses to central areas focused on mass transit systems.

While city staffers recommended incorporating a transit districts in Irvington, resident Charlotte Allen said Fremont should wait until it has regional funding to move forward in that district.

"I would urge you to wait until we have funding for BART," she told the council. "Because the last thing our city would want is to build up density in that area that will be far from existing transit."

However, staffers and the council said Measure B1 could pass in the future with minor tweaks, and decided to move forward with including Irvington in the ordinance.

Measure B1 was first approved by voters in 1986, allowing a half-cent sales tax to provide funding for regional transportation. The Nov. 6 ballot initiative asked voters to increase the tax another half-cent.

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Water District holds informational meeting

Dec 18, 2012
TRI CITY VOICE

SUBMITTED BY FRANK JAHN

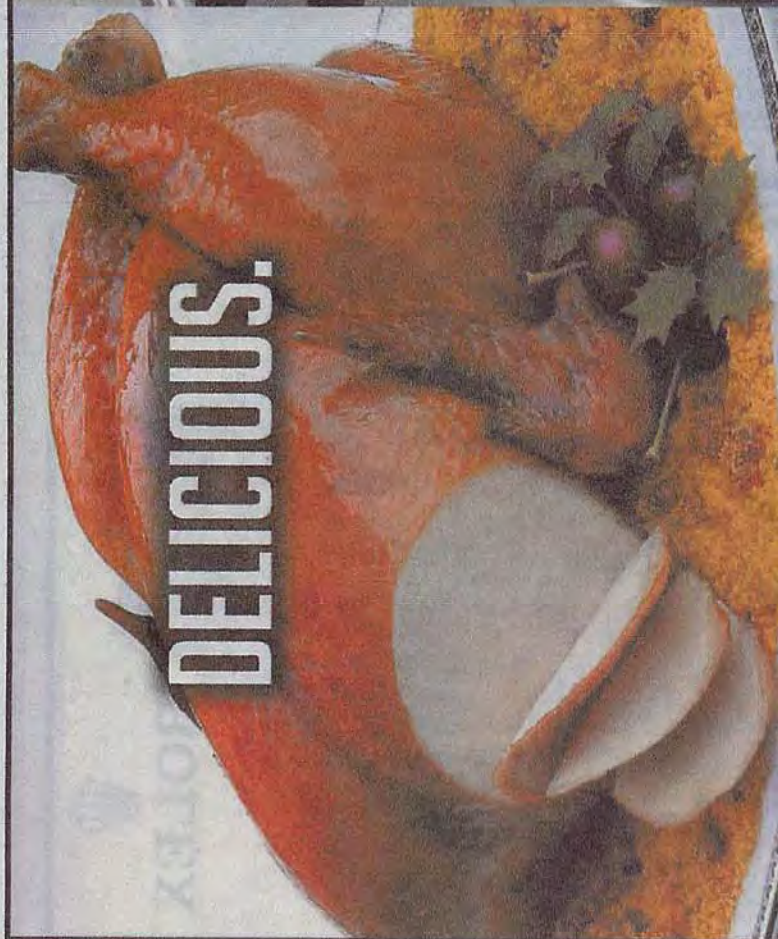
The Alameda County Water District (ACWD) announced that it will host an informational meeting regarding Alameda Creek water supply and fish passage projects on Tuesday, December 18 from 6:30 p.m. to 8 p.m. at Niles Elementary School in Fremont.

The Kaiser Fish Screen and Shinn Pond Diversion Pipeline projects are scheduled to begin in the spring of 2013 with construction lasting approximately one year. "These projects will improve water supply reliability and prevent juvenile steelhead trout – a protected species – from being trapped in groundwater recharge ponds," said Robert Shaver, ACWD Assistant General Manager. "The informational meeting will allow District staff to inform residents of the temporary impacts these projects will have on area recreation."

Meeting agenda items will include:

- * Why the projects are being undertaken
- * How impacts to Alameda Creek Trail users, Quarry Lakes users, and home-owners will be minimized
- * How to receive project updates
- * A question and answer session

For additional project information, call the Project Hotline at (510) 668-4410 or visit www.acwd.org.

A photograph showing a metal mesh strainer being poured into a kitchen sink drain. A thick, golden-brown liquid, likely cooking oil or grease, is being poured from the strainer into the drain. The word "DISASTROUS." is overlaid in large, white, bold, sans-serif capital letters on the left side of the image.

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For more information, visit **www.StopFOG.com**, call Allied Waste at (510) 657-3500, or call Union Sanitary District at (510) 477-7500.

ic Notices

12/21/12
Project
800-400

NOTICE INVITING BIDS

Notice is hereby given that sealed bids will be received by the Union Sanitary District in their office located at 5072 Benson Road, Union City, CA 94587-2508, at any time prior to 2:00:00 p.m. on January 15, 2013 for furnishing all labor, materials, equipment, and services for the construction of improvements designated as:

Thickener Control Building Interim Improvements Project 800-400

The project consists of the provision and installation of three new progressing cavity pumps and associated piping and instrumentation outside the existing Thickener Control Building at the District's Alvarado Wastewater Treatment Plant

The successful bidder will have two hundred forty (240) calendar days to complete the Project from the Notice to Proceed.

The Engineer's Estimate for this Project is \$300,000.

Bids will be publicly opened, examined and declared on said day and hour, and will be referred to the District Board of Directors for subsequent action.

Mandatory prebid and mandatory site visit at contractor's convenience

A prebid conference will be held at 9:00 a.m., local time, on January 7, 2013 at the Alvarado Wastewater Treatment Plant located at 5072 Benson Road, Union City, CA 94587 and a site visit will be conducted immediately following the prebid conference. Attendance at the prebid conference is mandatory for all contractors submitting a bid and prospective bidders are encouraged to attend this site visit. A site visit prior to bidding is mandatory for the contractor to be qualified to bid on the project. However, the site visit may be conducted by the contractor at its convenience, prior to the preparation of its bid if the District is notified 24 hours in advance.

Under California Laws and Regulations the District shall inform all prime contractors of public works, to the extent feasible of relevant public work requirements as listed in Section 00010 of the Contract Documents.

Copies of the Contract Documents are now on file and available for

Legal Notice

the District Office, 5072 Benson Road, Union City, CA 94587-2508. A paper copy of the Contract Documents, including half size drawings, may be purchased at the District Office for a non-refundable \$40 charge, which includes the appropriate State sales tax and UPS Ground shipping costs. Bidders can provide their UPS or Fed Ex account number for any overnight shipping but the charge will not be discounted. Partial sets of Bid Documents are not available from the District. Bidders may pay for plans and specs by sending a check made out to Union Sanitary District 5072 Benson Road Union City, CA 94587 or by going to our website www.unionsanitary.com for payment by VISA or MASTERCARD credit card.

Project information may be viewed at www.unionsanitary.com
Electronic copies of the Contract Documents are available on Compact Discs for a non-refundable \$15 charge, which includes the appropriate States sales tax and UPS Ground shipping costs. Bidders can provide their UPS or Fed Ex account number for any overnight shipping but the charge will not be discounted. However, all bidders submitting a bid must purchase and receive a paper copy of the Project Manual of Thickener Control Building Interim Improvements Project, Project No. 800-400 from the District prior to the bid opening date. All submitted bids must be on bid forms included in the purchased paper copy of the Project Manual or subsequent addenda. A bid submitted to the District by a bidder who has not purchased and received a paper copy of the Project Manual of Project Name, Project No. 800-400, or submitted on bid forms not included in the purchased paper copy of the Project Manual or subsequent addenda shall be considered non-responsive and shall be rejected by the District.

Each bid must conform and be responsive to the invitation, the Plans and Specifications, and all documents comprising the Contract Documents. Each bid shall be presented under sealed cover and shall be accompanied by a certified check or bidder's bond, made payable to the District, in an amount not less than ten percent (10%) of the bid. The said check or bidder's bond shall be given as a guarantee that the successful bidder will execute the contract in conformity with the form of agreement contained within the contract documents, and will furnish bonds and insurance policies as specified within ten (10) days after notification of the award of the contract to the successful bidder.

Cost for work described in each addenda issued during the time of bidding shall be included in the Bid and the addenda shall become a part of the Contract documents.

Bidders shall develop and submit bids at their own expense. The District will not reimburse any costs associated with the development and submission of any and all Bids.

The District reserves the sole right to reject any and all bids and to waive any informality in a bid.

No bidder may withdraw its bid for a period of sixty (60) days after the date set for the opening thereof.

At the successful Contractor's option, securities may be substituted for the required retention, in accordance with the provisions of Section 22300 of the State of California Public Contract Code.

In accordance with the provisions of California Public Contract Code Section 3300, the District has determined that the Contractor shall possess, as a minimum, a valid Class A License. In accordance with the provisions of California Business and Professions Code Section 7028.15, a bid submitted to the District by a Contractor who is not licensed in accordance with Chapter 9 of the California Business and Professions Code shall be considered non-responsive and shall be rejected by the District.

Legal Notice

Questions concerning this project should be directed to:

Union Sanitary District
Attn: Ric Pipkin
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By: Manny Fernandez
Secretary of the Board
Union Sanitary District
Date: December 27, 2012

AR 4720221
Dec. 27, 2012, Jan. 3, 2013