

CITY OF RICHMOND
Pt. Molate Community Advisory Committee
Monday, August 18, 2014 6:30 PM
Multi-Purpose Room, 440 Civic Center Plaza

AGENDA

Members:

Paul Carman
Chair

Joan Garrett

Dorothy Gilbert

Jim Hite

Jeanne Kortz

Eduardo Martinez

Joseph Puleo

Charles T. Smith

Mary H. Sundance
Vice-Chair

1. **Call to Order** (1 min.)
2. **Roll Call** (1 min.)
3. **Welcome and Meeting Procedures** (1 min.)

Individuals who would like to address the committee on matters not listed on the agenda may do so under Open Forum. Please file a speaker's card with the note taker prior to the commencement of Open Forum. Individuals who want to comment on an individual item, please file a speaker's card before the item is called. The standard amount of time for each speaker will be three minutes.

At 8:30 PM, any items remaining on the agenda that require immediate attention may be taken out of turn, as necessary. All other items will be continued to another or the following committee meeting in order to make fair and attentive decisions. This meeting adjourns at 9:00 PM. The meeting may be extended by a majority vote of the committee.

4. **Agenda Review and Adoption** (2 min.)
The order in which items will be heard may be adjusted at this time. In addition, items may be removed from or placed on the Consent Calendar at this time.
5. **Announcements through the Chair** (2 min.)
6. **Open Forum** (3 minutes per person limit)

7. **Presentations, Discussion & Action Items** (15 min.)

- a. Presentation: Debris Can Artwork (10 min.), Daud Abdullah, Instructor, Richmond Art Center. Q&A (5 min.)

8. **Staff Reports** (10 min.)

Following discussion of each item, the Committee may vote to make recommendations to staff or to the City Council.

- a. Project Manager's Staff Report (10 min.) – including
 1. Expenditures and balance from the Navy Escrow Fund
 2. Expenditures and balance from the General Fund
 3. Insurance Reporting filings
 4. Lease/occupation status for all Pt Molate users
 5. Monthly summary of security incidents
 6. Monthly summary of authorized entries
 7. Caretaker summary
 8. Beach Park
 9. IR Site 3 Remediation and Abatement Project

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9. Consent Calendar (2 min.)

Items on the consent calendar are considered matters requiring little or no discussion and will be acted upon in one motion

- a. APPROVE – PMCAC meeting minutes of July 21, 2014

10. PMCAC Quarterly Report to City Council (15 min.)

- a. APPROVE – PMCAC Annual Report to City Council (10 min.)Joan Garrett Q&A (5 min.)

11. Future Agenda Items (5 min.)

- a. Pacific States Environmental Contractors, Inc. – IR Site 3 Presentation
b. Code Enforcement Presentation

12. City Council Liaison Reports (12 min.)

- a. Report by Councilmember/Mayor McLaughlin regarding recent issues in Richmond relevant to the Advisory Committee. (10 min.)
b. PMCAC appointment status – TBD (2 min.)

13. Chair and Sub-Committee Reports (17 min.)

Following discussion of each item, the Committee may vote to make recommendations to staff or to the City Council.

- a. Clean-Up and Restoration (3 min.)
1. Monthly Report for June 2014
2. 2Q 2014 UST Monitoring Report
3. 2Q 2014 PGWTP Self-Monitoring Report
- b. Community Outreach (3 min.)
1. Review of previous month's activities and plans for next month
2. Review of schedule for Neighborhood Council, Sr. Center presentations
- c. Grant Development (2 min.)
1. Grant App. Status
- d. Pt. Molate Beach (5 min.)
1.
- e. Invasive Species (2 min.)
1.
- f. Chair (2 min.)
1. Identification of pending schedule conflicts

14. Adjournment of PMCAC regular meeting

15. Assemblage of PMCAC Standing Sub-Committees

Scheduled Meetings

Committee Meeting - Monday, September 15, 2014, 6:30pm

This meeting is held in a building that is accessible to people with disabilities. Persons with disabilities, who require auxiliary aids of services using city facilities, services or programs or would like information of the city's compliance with the American Disabilities Act (ADA) of 1990, contact: Rochelle Monk, City of Richmond (510) 620-6511 (voice).

Pt. Molate Community Advisory Committee Staff Liaison Contact: Craig K. Murray (510) 307-8140, craig_murray@ci.richmond.ca.us.

Agenda and minute information on the PMCAC can be found on the

City Clerk's web location: <http://ca-richmond2.civicplus.com/index.aspx?NID=2442>

Additional correspondence can be directed to PtMolateCAC@gmail.com

PMCAC Repository Information is available at: <https://docs.google.com/open?id=0B9WXrZeb-72MzVkJZWO1ZDOtNWlWNC00ZjE4LTgxYjctOTQyMDk4Y2FjNDYw>



Pt Molate Report

PMCAC #39 August 18, 2014

Expenditures and balance from Navy Escrow Fund:

- Three Expenditures totaling \$91,778.49 thru August 15, 2014.
- Balance: \$18,788,119.26

Msg. rec. from Union Bank's VP of Global Trust Services of name change/new affiliation:

Effective July 1, 2014, and subject to any required regulatory reviews, Mitsubishi UFJ Financial Group (MUFG) will integrate its U.S. branch banking operations currently under The Bank of Tokyo-Mitsubishi UFJ (BTMU) with Union Bank, N.A., which will operate the combined banking operations under a new name, "MUFG Union Bank, N.A." Union Bank, N.A., is the primary subsidiary of UnionBanCal Corporation, a San Francisco-based financial holding company, which also will be renamed "MUFG Americas Holdings Corporation," and become the holding company with oversight over MUFG's Americas region. Thus, customers will see both the MUFG and the Union Bank brands in the marketplace.

Expenditures and balance from City General Fund:

- Expenditures to June 30, 2014 for FY 13-14 total \$329,697.
- Balance: \$92,634
- Expenditures to date for FY 14-15 total \$7,500.
- Balance: \$414,831.

Insurance Report filings

- Report was provided at July 21 Meeting.

Lease/Occupation status for all Pt. Molate Users

- No Caretaker review. Richmond Museum of History would like storage space designated.
- Desk, Chair materials from current remodeling of Family Justice Center building moved to Bldg. 123 for storage
- Abatement Division helped clear out one office space in Bldg. 123 to be used as a Project Meeting room for Pacific States Environmental Contractors, Inc. and City until time that a Job Trailer is situated in IR Site 3

Monthly Summary of security incidents:

- July report enclosed.
- Two significant incidents reported for July 2014, 7 Officers assigned during month to perform security checks from upper ridge line to lower shoreline areas;
- Incidents include a Pt Molate Beach Park informational sign was found on the ground and there were no signs if it was vandalized or intentionally taken down and second incident whereas Security located a potential power outage at the water treatment location (Gate #6) and Terraphase was contacted.
- DP Security performed 21 Contacts during this period.

Monthly Summary of authorized entries:

- There were seventeen public entry authorizations including Richmond Museum of History, PSEC and contractors, two separate requests to tour Winehaven/Bldg. 1 and three to tour the grounds.

Caretaker Summary

- No Caretaker Report.
- Enclosed in this month's report are two separate email accounts and pictures from the Electric Shop Supervisor, who is also based in the Caretaker's home Department of Public Works. A report from first week of August shows several issues found including a rotted service and dense Eucalyptus Tree growth that appeared to cause outages. The Second report discusses a 4th outage in as many weeks and provision of detailed information by a private firm that handles High Voltage and the findings to PG&E that evaluated PG&E's main feed to City main switch gear. Checks of the 12,000 volt line near Winehaven were for bad insulators and ground paths, distribution from the main switch gear to the pole tops for distribution. Private electrical firm found a bad insulator on PG&E Phase I, 2 bad fuses on CPT feeding space heaters in switch gear, and cables rated for 5 gig ohms "megging out bad" at around 30 megohms to ground and 45 megohms between phases.

Beach Park

- Parks Division Supt. Greg Hardesty, City Arborist and Crew met with me and Chevron representative earlier this month to determine responsibility of overgrown trees and brush as you enter onto Stenmark Road. This is particular safety issue for high clearance vehicles that will need to travel in opposing lane to go around this growth. It was determined that the City of Richmond owns this area, known as Road 27 in Fee Title and base of trees appear to be on the property line and perhaps date back to approximately 1902 when Standard Oil granted easement to City for road along this portion of the San Pablo Peninsula as it continued beyond this Road 27 area. Informational notices to Pt San Pablo Yacht Harbor and those known by Chevron to use this road were provided and work with high-bucket trucks occurred during the week of August 11 to trim back these trees and vegetative overgrowth.
- Downed bluff warning sign was returned to Streets Sign Division to clean off the graffiti mar and re-post the sign.
- Reports received from Committee Member Smith with the Smith-Amme clean up team working under Frank Gonzales supervision and rendering assistance in underbrush and debris clearance.

IR Site 3 Remediation and Abatement Project

- IR Site 3 Contract to Pacific States Environmental Contractors, Inc. for Remediation and Abatement Work under Alternative 6 was awarded by City Council from the Chevron-extended July 29 City Council meeting to July 30.
- IR Site 3 Bid Review and Staff Report on PSEC Contract was included in last month's PMCAC Agenda packet. PSEC has received a Notice to Proceed/Notice of Award and is meeting with Staff and consultants to file necessary documents. One document filed, the Construction Work Plan, includes a summary of efforts for Soil Treatment Alternatives: PSEC evaluated and solicited pricing and schedule information from at least two on-site treatment technologies; Reterro and Nelson Environmental Remediation. Our chief Estimator met with Darryl Nelson to discuss the project prior to job walk. Prior to the bid, two of our staff met with Reterro's Senior Management and visited a Reterro project in Fullerton, California. Both companies have good, efficient operations, but neither company was cost or time competitive as compared to landfill disposal on this Point Molate project.
- A meetings will commence at Pt Molate starting the week of August 18 and PSEC has been invited to attend and present at the PMCAC meeting in September.

Pt. Molate Remediation Budget Report
As of August 15, 2014

Project / Program Name: Pt. Molate Remediation Oversight				
Project Description: Pt. Molate				
		Point Molate		
		Site Remediation		
		Capital Budget		
Sources of Funds:		Navy Funds	Interest	Total
Navy Funds		\$ 28,500,000.00		
		Expenditures	Revenues	Balance
Transactions	Date	As of 8/15/2014	As of 8/15/2014	As of 8/15/2014
City of Richmond	4/16/2010	\$ 630,000.00		\$ 27,870,000.00
Alliant Insurance Services, Inc - Insurance Payment	4/20/2010	\$ 4,130,000.00		\$ 23,740,000.00
First American Fund Control (FAFC) Setup Fee	4/20/2010	\$ 1,000.00		\$ 23,739,000.00
Upstream Point Molate - Remediation Work	4/30/2010	\$ 170,000.00		\$ 23,569,000.00
Savings Interest - April 2010	5/10/2010		\$ 1,989.85	\$ 23,570,989.85
Savings Interest - April 2010	5/12/2010		\$ 3,218.95	\$ 23,574,208.80
Savings Interest - May 2010	6/11/2010		\$ 2,712.51	\$ 23,576,921.31
Savings Interest - May 2010	6/11/2010		\$ 4,521.30	\$ 23,581,442.61
Arcadis US Inc.	7/15/2010	\$ 165,343.93		\$ 23,416,098.68
Contra Costa County	7/15/2010	\$ 1,264.00		\$ 23,414,834.68
Savings Interest - June 2010	7/26/2010		\$ 493.14	\$ 23,415,327.82
Savings Interest - June 2010	7/26/2010		\$ 493.14	\$ 23,415,820.96
FAFC Bank Charge	7/26/2010	\$ 20.00		\$ 23,415,800.96
FAFC Bank Charge	7/26/2010	\$ 20.00		\$ 23,415,780.96
Savings Interest - June 2010	7/26/2010		\$ 2,852.41	\$ 23,418,633.37
Savings Interest - June 2010	7/26/2010		\$ 5,330.73	\$ 23,423,964.10
Savings Interest - July 2010	8/11/2010		\$ 732.37	\$ 23,424,696.47
Savings Interest - July 2010	8/11/2010		\$ 732.37	\$ 23,425,428.84
Savings Interest - July 2010	8/11/2010		\$ 2,409.34	\$ 23,427,838.18
Savings Interest - July 2010	8/11/2010		\$ 4,830.04	\$ 23,432,668.22
FAFC Fee Slip - May - July 2010	8/16/2010	\$ 900.00		\$ 23,431,768.22
City of Richmond - MoFo Reimbursement	8/20/2010	\$ 4,016.25		\$ 23,427,751.97
Transfer August Maintenance Fee	9/13/2010		\$ -	\$ 23,427,751.97
FAFC Fee Slip - August 2010	9/13/2010	\$ 300.00		\$ 23,427,451.97
Savings Interest - August 2010	9/15/2010		\$ 773.33	\$ 23,428,225.30
Savings Interest - August 2010	9/15/2010		\$ 773.33	\$ 23,428,998.63
Savings Interest - August 2010	9/15/2010		\$ 2,564.97	\$ 23,431,563.60
Savings Interest - August 2010	9/15/2010		\$ 5,136.59	\$ 23,436,700.19
FAFC Fee Slip - September 2010	10/7/2010	\$ 300.00		\$ 23,436,400.19
City of Richmond - MoFo Reimbursement	10/18/2010	\$ 15,503.75		\$ 23,420,896.44
Arcadis US Inc.	10/18/2010	\$ 121,923.17		\$ 23,298,973.27
Contra Costa County	10/18/2010	\$ 632.00		\$ 23,298,341.27
Savings Interest - September 2010	10/20/2010		\$ 725.31	\$ 23,299,066.58
Savings Interest - September 2010	10/20/2010		\$ 725.31	\$ 23,299,791.89
Savings Interest - September 2010	10/20/2010		\$ 2,405.12	\$ 23,302,197.01
Savings Interest - September 2010	10/20/2010		\$ 4,817.12	\$ 23,307,014.13
First American Fund Control	11/1/2010	\$ 2,704.15		\$ 23,304,309.98
FAFC Fee Slip - October 2010	11/8/2010	\$ 300.00		\$ 23,304,009.98
State Water Resources Control Board	11/10/2010	\$ 796.00		\$ 23,303,213.98
City of Richmond - MoFo Reimbursement	11/10/2010	\$ 9,766.50		\$ 23,293,447.48
Savings Interest - October 2010	11/17/2010		\$ 696.94	\$ 23,294,144.42
Savings Interest - October 2010	11/17/2010		\$ 2,322.38	\$ 23,296,466.80
Savings Interest - October 2010	11/17/2010		\$ 4,647.05	\$ 23,301,113.85
Contra Costa County - Refund	11/19/2010	\$ -	\$ 158.00	\$ 23,301,271.85

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Pt. Molate Remediation Budget Report
As of August 15, 2014

Transactions	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
State Water Resources Control Board	12/3/2010	\$ 3,553.88		\$ 23,297,717.97
Savings Interest - November 2010	12/15/2010		\$ 5,110.49	\$ 23,302,828.46
Savings Interest - November 2010	12/15/2010		\$ 760.49	\$ 23,303,588.95
Arcadis US Inc.	1/5/2011	\$ 105,245.30		\$ 23,198,343.65
RORE, Inc.	1/5/2011	\$ 31,581.00		\$ 23,166,762.65
Terraphase Engineering, Inc.	1/5/2011	\$ 37,142.09		\$ 23,129,620.56
Winehaven Partners, LLC	1/5/2011	\$ 5,418.11		\$ 23,124,202.45
Contra Costa Environmental Health	1/5/2011	\$ 474.00		\$ 23,123,728.45
City of Richmond - MoFo Reimbursement	1/5/2011	\$ 446.25		\$ 23,123,282.20
FAFC Fee Slip - November 2010	1/5/2011	\$ 300.00		\$ 23,122,982.20
Savings Interest - December 2010	1/26/2011		\$ 654.76	\$ 23,123,636.96
Savings Interest - December 2010	1/26/2011		\$ 4,621.71	\$ 23,128,258.67
Savings Interest - December 2010	1/26/2011		\$ 4,951.46	\$ 23,133,210.13
FAFC Fee Slip - December 2010	2/8/2011	\$ 300.00		\$ 23,132,910.13
FAFC Fee Slip - January 2011	2/8/2011	\$ 300.00		\$ 23,132,610.13
Terraphase Engineering, Inc.	2/16/2011	\$ 63,617.92		\$ 23,068,992.21
Winehaven Partners, LLC	2/16/2011	\$ 2,753.49		\$ 23,066,238.72
Contra Costa Environmental Health	2/16/2011	\$ 474.00		\$ 23,065,764.72
Savings Interest - January 2011	2/28/2011		\$ 567.29	\$ 23,066,332.01
Savings Interest - January 2011	2/28/2011		\$ 2,056.91	\$ 23,068,388.92
Savings Interest - January 2011	2/28/2011		\$ 4,918.91	\$ 23,073,307.83
Savings Interest - February 2011	3/1/2011		\$ 1,795.24	\$ 23,075,103.07
Bank Charges - February 2011	3/2/2011	\$ 35.00		\$ 23,075,068.07
Savings Interest Adjustment - February 2011	3/3/2011		\$ 411.38	\$ 23,075,479.45
Savings Interest - February 2011	3/3/2011		\$ 504.17	\$ 23,075,983.62
Savings Interest - June 2010	3/7/2011		\$ (493.14)	\$ 23,075,490.48
Bank Charge	3/7/2011		\$ 20.00	\$ 23,075,510.48
Savings Interest - July 2010	3/7/2011		\$ (732.37)	\$ 23,074,778.11
Savings Interest - August 2010	3/7/2011		\$ (773.33)	\$ 23,074,004.78
Savings Interest - September 2010	3/7/2011		\$ (725.31)	\$ 23,073,279.47
Savings Interest	3/7/2011		\$ 2,704.15	\$ 23,075,983.62
Savings Interest - February 2011	3/28/2011		\$ -	\$ 23,075,983.62
Savings Interest - February 2011	3/28/2011		\$ 4,435.35	\$ 23,080,418.97
Bank Charges - February 2010	3/28/2011	\$ 35.00		\$ 23,080,383.97
Savings Interest - March 2011	4/11/2011		\$ 1,150.69	\$ 23,081,534.66
Savings Interest - March 2011	4/11/2011		\$ 1,150.69	\$ 23,082,685.35
Terraphase Engineering, Inc. c/o Bookkeeping	4/18/2011	\$ 168,063.37		\$ 22,914,621.98
Winehaven Partners, LLC	4/18/2011	\$ 2,680.76		\$ 22,911,941.22
State Water Resources Control Board	4/18/2011	\$ 7,765.81		\$ 22,904,175.41
FAFC Fee Slip - Feb. to April 2011	4/18/2011	\$ 900.00		\$ 22,903,275.41
Bank Charges - March 2011	4/25/2011	\$ (35.00)		\$ 22,903,310.41
Savings Interest - March 2011	4/25/2011		\$ 4,904.82	\$ 22,908,215.23
Savings Interest - March 2011	4/25/2011		\$ 430.34	\$ 22,908,645.57
Savings Interest - March 2011	4/25/2011		\$ 82.19	\$ 22,908,727.76
FAFC Fee Slip - May 2011	5/6/2011	\$ 300.00		\$ 22,908,427.76
Savings Interest - April 2011	5/18/2011		\$ 4,575.58	\$ 22,913,003.34
Savings Interest - April 2011	5/18/2011		\$ 1,024.62	\$ 22,914,027.96
Savings Interest - April 2011	5/18/2011		\$ 1,025.75	\$ 22,915,053.71
Savings Interest - April 2011	5/18/2011		\$ 415.61	\$ 22,915,469.32
Savings Interest - March 2011	5/25/2011		\$ 2,058.59	\$ 22,917,527.91
Savings Interest - April 2011	5/25/2011		\$ 2,180.76	\$ 22,919,708.67
Terraphase Engineering, Inc	6/6/2011	\$ 78,656.54		\$ 22,841,052.13
Winehaven Partners, LLC	6/6/2011	\$ 362.75		\$ 22,840,689.38
FAFC Fee Slip - June 2011	6/6/2011	\$ 300.00		\$ 22,840,389.38
Savings Interest - May 2011	6/22/2011		\$ 1,710.88	\$ 22,842,100.26
Savings Interest - May 2011	6/22/2011		\$ 5,027.83	\$ 22,847,128.09

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Pt. Molate Remediation Budget Report
As of August 15, 2014

Transactions	Date	Expenditures	Revenues	Balance
		As of 8/15/2014	As of 8/15/2014	As of 8/15/2014
Savings Interest - May 2011	6/22/2011		\$ 427.76	\$ 22,847,555.85
Savings Interest - May 2011	6/22/2011		\$ 523.78	\$ 22,848,079.63
Savings Interest - May 2011	6/22/2011		\$ 1,049.53	\$ 22,849,129.16
Savings Interest - May 2011	6/22/2011		\$ 1,049.53	\$ 22,850,178.69
Difference between staff calculations and FAFC balance	6/30/2011		\$ 8.63	\$ 22,850,187.32
Terraphase Engineering, Inc. c/o Bookkeeping	7/7/2011	\$ 66,639.77		\$ 22,783,547.55
Winehaven Partners, LLC	7/7/2011	\$ 4,352.37		\$ 22,779,195.18
Savings Interest - June 2011	7/18/2011		\$ 7,000.65	\$ 22,786,195.83
Savings Interest - June 2011	7/18/2011		\$ 419.20	\$ 22,786,615.03
Savings Interest - June 2011	7/20/2011		\$ 2,034.00	\$ 22,788,649.03
Terraphase Engineering, Inc. c/o Bookkeeping	7/29/2011	\$ 37,573.67		\$ 22,751,075.36
Winehaven Partners, LLC	7/29/2011	\$ 574.96		\$ 22,750,500.40
State Water Resources Control Board	7/29/2011	\$ 8,397.38		\$ 22,742,103.02
FAFC Fee Slip - July 2011	7/29/2011	\$ 300.00		\$ 22,741,803.02
Terraphase Engineering, Inc. c/o Bookkeeping	8/23/2011	\$ 99,184.28		\$ 22,642,618.74
Winehaven Partners, LLC	8/23/2011	\$ 221.78		\$ 22,642,396.96
Contra Costa Environmental Health	8/23/2011	\$ 474.00		\$ 22,641,922.96
FAFC Fee Slip - August 2011	8/23/2011	\$ 300.00		\$ 22,641,622.96
Savings Interest - July 2011	8/24/2011		\$ 7,096.07	\$ 22,648,719.03
Savings Interest - July 2011	8/24/2011		\$ 2,097.56	\$ 22,650,816.59
Savings Interest	9/1/2011		\$ 8,047.46	\$ 22,658,864.05
City of Richmond - MoFo Reimbursement	9/8/2011	\$ 3,098.75		\$ 22,655,765.30
City of Richmond - Nichols Reimbursement	9/8/2011	\$ 9,655.72		\$ 22,646,109.58
FAFC Fee Slip - September 2011	9/8/2011	\$ 300.00		\$ 22,645,809.58
Terraphase Engineering, Inc. c/o Bookkeeping	9/14/2011	\$ 109,635.96		\$ 22,536,173.62
Winehaven Partners, LLC	9/14/2011	\$ 89.96		\$ 22,536,083.66
Savings Interest - August 2011	9/19/2011		\$ 2,090.17	\$ 22,538,173.83
Savings Interest - September 2011	10/12/2011		\$ 6,224.06	\$ 22,544,397.89
Terraphase Engineering, Inc. c/o Bookkeeping	10/21/2011	\$ 51,791.39		\$ 22,492,606.50
Winehaven Partners, LLC	10/21/2011	\$ 136.55		\$ 22,492,469.95
City of Richmond - MoFo Reimbursement	10/21/2011	\$ 7,505.00		\$ 22,484,964.95
Morrison & Foerster LLP	10/21/2011	\$ 3,520.00		\$ 22,481,444.95
Nichols Consulting Engineers, CHTD	10/21/2011	\$ 6,234.50		\$ 22,475,210.45
State Water Resources Control Board	10/21/2011	\$ 30,340.20		\$ 22,444,870.25
PG&E	10/21/2011	\$ 6,626.33		\$ 22,438,243.92
Savings Interest - September 2011	10/26/2011		\$ 1,997.61	\$ 22,440,241.53
Bank Saving Charge	11/1/2011	\$ 20.00		\$ 22,440,221.53
Savings Interest - October 2011	11/1/2011		\$ 1,265.06	\$ 22,441,486.59
Terraphase Engineering, Inc. c/o Bookkeeping	11/14/2011	\$ 71,065.26		\$ 22,370,421.33
Winehaven Partners, LLC	11/14/2011	\$ 127.23		\$ 22,370,294.10
Contra Costa Environmental Health	11/14/2011	\$ 474.00		\$ 22,369,820.10
Morrison & Foerster LLP	11/14/2011	\$ 1,933.75		\$ 22,367,886.35
Savings Interest - October 2011	11/21/2011		\$ 2,030.42	\$ 22,369,916.77
Terraphase Engineering, Inc. c/o Bookkeeping	12/8/2011	\$ 158,309.56		\$ 22,211,607.21
Winehaven Partners, LLC	12/8/2011	\$ 127.36		\$ 22,211,479.85
Morrison & Foerster LLP	12/8/2011	\$ 5,305.00		\$ 22,206,174.85
Nichols Consulting Engineers, CHTD	12/8/2011	\$ 4,845.00		\$ 22,201,329.85
State Water Resources Control Board	12/8/2011	\$ 36,003.36		\$ 22,165,326.49
PG&E	12/8/2011	\$ 3,016.85		\$ 22,162,309.64
FAFC Fee Slip - November & December 2011	12/8/2011	\$ 600.00		\$ 22,161,709.64
Savings Interest - November 2011	12/12/2011		\$ 1,955.50	\$ 22,163,665.14
Terraphase Engineering, Inc.	1/25/2012	\$ 110,282.57		\$ 22,053,382.57
Winehaven Partners, LLC	1/25/2012	\$ 127.42		\$ 22,053,255.15
Morrison & Foerster LLP	1/25/2012	\$ 297.50		\$ 22,052,957.65
State Water Resources Control Board	1/25/2012	\$ 11,195.00		\$ 22,041,762.65
Contra Costa Health Services	1/25/2012	\$ 395.00		\$ 22,041,367.65

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Pt. Molate Remediation Budget Report
As of August 15, 2014

Transactions	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
Savings Interest - Decemberr 2011	1/30/2012		\$ 2,005.79	\$ 22,043,373.44
Savings Interest - January 2012	2/22/2012		\$ 1,997.55	\$ 22,045,370.99
FAFC Fee Slip - January & February 2012	2/29/2012	\$ 600.00		\$ 22,044,770.99
FAFC Fee Slip - March 2012	3/8/2012	\$ 300.00		\$ 22,044,470.99
FAFC Fee Slip - October 2011	3/8/2012	\$ 300.00		\$ 22,044,170.99
Savings Interest - February 2012	3/14/2012		\$ 1,860.86	\$ 22,046,031.85
Terraphase Engineering, Inc.	3/15/2012	\$ 61,726.26		\$ 21,984,305.59
Terraphase Engineering, Inc.	3/15/2012	\$ 145,489.51		\$ 21,838,816.08
Morrison & Foerster LLP	3/15/2012	\$ 5,801.25		\$ 21,833,014.83
State Water Resources Control Board	3/15/2012	\$ 48,269.05		\$ 21,784,745.78
PG&E	3/15/2012	\$ 3,026.91		\$ 21,781,718.87
FAFC Fee Slip - April 2012	4/16/2012	\$ 300.00		\$ 21,781,418.87
Terraphase Engineering, Inc.	4/23/2012	\$ 121,263.22		\$ 21,660,155.65
Winehaven Partners, LLC	4/23/2012	\$ 137.42		\$ 21,660,018.23
Winehaven Partners, LLC	4/23/2012		\$ 127.42	\$ 21,660,145.65
Morrison & Foerster LLP	4/23/2012	\$ 1,611.25		\$ 21,658,534.40
Savings Interest - March 2012	4/30/2012		\$ 1,979.63	\$ 21,660,514.03
FAFC Fee Slip - May 2012	5/18/2012	\$ 300.00		\$ 21,660,214.03
Terraphase Engineering, Inc.	5/18/2012	\$ 154,907.80		\$ 21,505,306.23
Morrison & Foerster LLP	5/18/2012	\$ 297.50		\$ 21,505,008.73
Savings Interest - April 2012	5/21/2012		\$ 1,900.11	\$ 21,506,908.84
FAFC Fee Slip - May 2012	6/7/2012	\$ 290.00		\$ 21,506,618.84
Savings Interest - May 2012	6/18/2012		\$ 1,950.31	\$ 21,508,569.15
Terraphase Engineering, Inc.	7/9/2012	\$ 129,899.78		\$ 21,378,669.37
Morrison & Foerster LLP	7/9/2012	\$ 1,041.25		\$ 21,377,628.12
City of Richmond - MoFo Reimbursement	7/9/2012	\$ 10,614.35		\$ 21,367,013.77
AT&T	7/9/2012	\$ 34.16		\$ 21,366,979.61
State Water Resources Control Board	7/9/2012	\$ 40,507.27		\$ 21,326,472.34
City of Richmond - Single audit Reimbursement	7/9/2012	\$ 10,234.00		\$ 21,316,238.34
Nichols Consulting Engineers, CHTD	7/9/2012	\$ 22,670.75		\$ 21,293,567.59
Savings Interest - June 2012	7/16/2012		\$ 1,879.15	\$ 21,295,446.74
Terraphase Engineering, Inc.	7/20/2012	\$ 133,279.02		\$ 21,162,167.72
Savings Interest - July 2012	8/22/2012		\$ 1,929.33	\$ 21,164,097.05
Terraphase Engineering, Inc.	8/29/2012	\$ 70,585.19		\$ 21,093,511.86
Contra Costa Health Services	8/29/2012	\$ 632.00		\$ 21,092,879.86
Savings Interest - August 2012	9/12/2012		\$ 1,923.15	\$ 21,094,803.01
Terraphase Engineering, Inc.	9/19/2012	\$ 68,665.72		\$ 21,026,137.29
FAFC Fee Slip - May 2012	10/1/2012	\$ 900.00		\$ 21,025,237.29
FAFC Fee Slip - May 2012	10/9/2012	\$ 300.00		\$ 21,024,937.29
Savings Interest - September 2012	10/15/2012		\$ 1,853.35	\$ 21,026,790.64
Terraphase Engineering, Inc.	10/30/2012	\$ 103,672.81		\$ 20,923,117.83
Contra Costa Health Services	10/30/2012	\$ 316.00		\$ 20,922,801.83
State Water Resources Control Board	10/30/2012	\$ 31,116.76		\$ 20,891,685.07
Savings Interest - October 2012	11/16/2012		\$ 1,911.44	\$ 20,893,596.51
State Water Resources Control Board	12/6/2012	\$ 11,195.00		\$ 20,882,401.51
Nichols Consulting Engineers, CHTD	12/6/2012	\$ 12,945.00		\$ 20,869,456.51
Terraphase Engineering, Inc.	12/6/2012	\$ 174,878.31		\$ 20,694,578.20
FAFC Fee Slip - November 2012	12/11/2012	\$ 300.00		\$ 20,694,278.20
FAFC Fee Slip - December 2012	12/11/2012	\$ 300.00		\$ 20,693,978.20
Savings Interest - Novemeber 2012	12/19/2012		\$ 1,838.75	\$ 20,695,816.95
Nichols Consulting Engineers, CHTD	12/21/2012	\$ 2,016.64		\$ 20,693,800.31
Terraphase Engineering, Inc.	12/21/2012	\$ 269,077.05		\$ 20,424,723.26
FAFC Fee Slip - January 2013	1/7/2013	\$ 300.00		\$ 20,424,423.26
Savings Interest - December 2012	1/23/2013		\$ 1,885.68	\$ 20,426,308.94
Nichols Consulting Engineers, CHTD	1/29/2013	\$ 1,905.00		\$ 20,424,403.94
FAFC Fee Slip - February 2013	2/8/2013	\$ 300.00		\$ 20,424,103.94
Terraphase Engineering, Inc.	2/12/2013	\$ 281,577.64		\$ 20,142,526.30
Contra Costa Health Services	2/12/2013	\$ 316.00		\$ 20,142,210.30
Savings Interest - January 2013	2/13/2013		\$ 3,340.54	\$ 20,145,550.84
FAFC Fee Slip - March 2013	3/4/2013	\$ 300.00		\$ 20,145,250.84
Savings Interest - February 2013	3/18/2013		\$ 3,040.52	\$ 20,148,291.36
Terraphase Engineering, Inc.	4/2/2013	\$ 202,972.88		\$ 19,945,318.48
State Water Resources Control Board	4/2/2013	\$ 23,492.08		\$ 19,921,826.40

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Pt. Molate Remediation Budget Report
As of August 15, 2014

Transactions	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
FAFC Fee Slip - April 2013	4/4/2013	\$ 300.00		\$ 19,921,526.40
Savings Interest - March 2013	4/16/2013		\$ 3,346.60	\$ 19,924,873.00
Terraphase Engineering, Inc.	4/30/2013	\$ 82,590.63		\$ 19,842,282.37
Terraphase Engineering, Inc.	5/1/2013	\$ 75,316.43		\$ 19,766,965.94
FAFC Fee Slip - May 2013	5/1/2013	\$ 300.00		\$ 19,766,665.94
Savings Interest - April 2013	5/13/2013		\$ 3,206.73	\$ 19,769,872.67
Savings Interest - May 2013	6/14/2013		\$ 3,287.38	\$ 19,773,160.05
Terraphase Engineering, Inc.	6/14/2013	\$ 43,556.01		\$ 19,729,604.04
Contra Costa Health Services	6/14/2013	\$ 348.00		\$ 19,729,256.04
Savings Interest - June 2013	7/10/2013		\$ 3,180.04	\$ 19,732,436.08
FAFC Fee Slip - June & July 2013	8/2/2013	\$ 600.00		\$ 19,731,836.08
Terraphase Engineering, Inc.	8/8/2013	\$ 44,555.23		\$ 19,687,280.85
Contra Costa Health Services	8/8/2013	\$ 348.00		\$ 19,686,932.85
State Water Resources Control Board	8/8/2013	\$ 10,078.39		\$ 19,676,854.46
Terraphase Engineering, Inc.	8/8/2013	\$ 60,528.86		\$ 19,616,325.60
Nichols Consulting Engineers, CHTD	8/8/2013	\$ 1,046.00		\$ 19,615,279.60
Savings Interest - July 2013	8/12/2013		\$ 1,824.74	\$ 19,617,104.34
Savings Interest - August 2013	9/11/2013		\$ 1,818.23	\$ 19,618,922.57
Terraphase Engineering, Inc.	10/17/2013	\$ 51,248.57		\$ 19,567,674.00
Nichols Consulting Engineers, CHTD	10/17/2013	\$ 24,745.00		\$ 19,542,929.00
Terraphase Engineering, Inc.	11/15/2013	\$ 28,351.81		\$ 19,514,577.19
Terraphase Engineering, Inc.	12/18/2013	\$ 68,604.41		\$ 19,445,972.78
Contra Costa Health Services	12/18/2013	\$ 348.00		\$ 19,445,624.78
State Water Resources Control Board	12/18/2013	\$ 1,952.67		\$ 19,443,672.11
State Water Resources Control Board	12/18/2013	\$ 11,877.00		\$ 19,431,795.11
Terraphase Engineering, Inc.	12/20/2013	\$ 66,328.38		\$ 19,365,466.73
Interest earned			\$ 409.95	\$ 19,365,876.68
Union Bank Fee		\$ 1,560.00		\$ 19,364,316.68
Terraphase Engineering, Inc.	2/10/2014	\$ 65,579.43		\$ 19,298,737.25
Contra Costa Health Services	2/10/2014	\$ 348.00		\$ 19,298,389.25
State Water Resources Control Board	2/10/2014	\$ 19,032.82		\$ 19,279,356.43
Terraphase Engineering, Inc.	3/17/2014	\$ 103,683.69		\$ 19,175,672.74
Terraphase Engineering, Inc.	3/27/2014	\$ 102,373.52		\$ 19,073,299.22
State Water Resources Control Board	3/27/2014	\$ 6,224.57		\$ 19,067,074.65
Terraphase Engineering, Inc.	5/6/2014	\$ 68,324.79		\$ 18,998,749.86
Terraphase Engineering, Inc.	6/3/2014	\$ 61,640.00		\$ 18,937,109.86
State Water Resources Control Board	6/3/2014	\$ 553.32		\$ 18,936,556.54
Contra Costa Health Services	6/3/2014	\$ 348.00		\$ 18,936,208.54
City of Richmond - 2012 Single Audit Reimbursement	6/3/2014	\$ 10,227.00		\$ 18,925,981.54
City of Richmond - 2013 Single Audit Reimbursement	6/3/2014	\$ 9,200.00		\$ 18,916,781.54
Terraphase Engineering, Inc.	7/11/2014	\$ 36,883.79		\$ 18,879,897.75
Terraphase Engineering, Inc.	8/2/2014	\$ 52,505.63		\$ 18,827,392.12
State Water Resources Control Board	8/2/2014	\$ 20,589.19		\$ 18,806,802.93
Nichols Consulting Engineers, CHTD	8/2/2014	\$ 18,683.67		\$ 18,788,119.26
Current as of 8/15/2014		\$ 9,918,283.09	\$ 206,402.35	
Remaining Balance				\$ 18,788,119.26

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As of August 15, 2014

Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
City of Richmond - Reimbursements				
City of Richmond - MoFo Reimbursement	8/20/2010	\$ 4,016.25		
City of Richmond - MoFo Reimbursement	10/18/2010	\$ 15,503.75		
City of Richmond - MoFo Reimbursement	11/10/2010	\$ 9,766.50		
City of Richmond - MoFo Reimbursement	1/5/2011	\$ 446.25		
City of Richmond - MoFo Reimbursement	9/8/2011	\$ 3,098.75		
City of Richmond - MoFo Reimbursement	10/21/2011	\$ 7,505.00		
City of Richmond - MoFo Reimbursement	7/9/2012	\$ 10,614.35		
City of Richmond - Nichols Reimbursement	9/8/2011	\$ 9,655.72		
City of Richmond - 2011 Single Audit Reimbursement	7/9/2012	\$ 10,234.00		
City of Richmond - 2012 Single Audit Reimbursement	6/3/2014	\$ 10,227.00		
City of Richmond - 2013 Single Audit Reimbursement	6/3/2014	\$ 9,200.00		
TOTAL		\$ 90,267.57	\$ -	\$ 90,267.57
Contra Costa County				
Contra Costa County	7/15/2010	\$ 1,264.00		
Contra Costa County	10/18/2010	\$ 632.00		
Contra Costa County - Refund	11/19/2010	\$ -	\$ 158.00	
TOTAL		\$ 1,896.00	\$ 158.00	\$ 1,738.00
Contra Costa Environmental Health				
Contra Costa Environmental Health/CCHS	1/5/2011	\$ 474.00		
Contra Costa Environmental Health/CCHS	2/16/2011	\$ 474.00		
Contra Costa Environmental Health/CCHS	8/23/2011	\$ 474.00		
Contra Costa Environmental Health/CCHS	11/14/2011	\$ 474.00		
Contra Costa Environmental Health/CCHS	1/25/2012	\$ 395.00		
Contra Costa Environmental Health/CCHS	8/29/2012	\$ 632.00		
Contra Costa Environmental Health/CCHS	10/30/2012	\$ 316.00		
Contra Costa Environmental Health/CCHS	2/12/2013	\$ 316.00		
Contra Costa Environmental Health/CCHS	6/14/2013	\$ 348.00		
Contra Costa Environmental Health/CCHS	8/8/2013	\$ 348.00		
Contra Costa Environmental Health/CCHS	12/18/2013	\$ 348.00		
Contra Costa Environmental Health/CCHS	2/10/2014	\$ 348.00		
Contra Costa Environmental Health/CCHS	6/3/2014	\$ 348.00		
TOTAL		\$ 5,295.00	\$ -	\$ 5,295.00

8A1.8

Pt. Molate Remediation Budget Report
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Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
Escrow Account Holder Fees				
FAFC Fee Slip - April 2012	4/16/2012	\$ 300.00		
FAFC Fee Slip - April 2013	4/4/2013	\$ 300.00		
FAFC Fee Slip - August 2010	9/13/2010	\$ 300.00		
FAFC Fee Slip - August 2011	8/23/2011	\$ 300.00		
FAFC Fee Slip - December 2010	2/8/2011	\$ 300.00		
FAFC Fee Slip - December 2012	12/11/2012	\$ 300.00		
FAFC Fee Slip - Feb. to April 2011	4/18/2011	\$ 900.00		
FAFC Fee Slip - February 2013	2/8/2013	\$ 300.00		
FAFC Fee Slip - January & February 2012	2/29/2012	\$ 600.00		
FAFC Fee Slip - January 2011	2/8/2011	\$ 300.00		
FAFC Fee Slip - January 2013	1/7/2013	\$ 300.00		
FAFC Fee Slip - July 2011	7/29/2011	\$ 300.00		
FAFC Fee Slip - June & July 2013	8/2/2013	\$ 600.00		
FAFC Fee Slip - June 2011	6/6/2011	\$ 300.00		
FAFC Fee Slip - March 2012	3/8/2012	\$ 300.00		
FAFC Fee Slip - March 2013	3/4/2013	\$ 300.00		
FAFC Fee Slip - May - Julu 2010	8/16/2010	\$ 900.00		
FAFC Fee Slip - May 2011	5/6/2011	\$ 300.00		
FAFC Fee Slip - May 2012	5/18/2012	\$ 300.00		
FAFC Fee Slip - May 2012	6/7/2012	\$ 290.00		
FAFC Fee Slip - May 2012	10/1/2012	\$ 900.00		
FAFC Fee Slip - May 2012	10/9/2012	\$ 300.00		
FAFC Fee Slip - May 2013	5/1/2013	\$ 300.00		
FAFC Fee Slip - November & December 2011	12/8/2011	\$ 600.00		
FAFC Fee Slip - November 2010	1/5/2011	\$ 300.00		
FAFC Fee Slip - November 2012	12/11/2012	\$ 300.00		
FAFC Fee Slip - October 2010	11/8/2010	\$ 300.00		
FAFC Fee Slip - October 2011	3/8/2012	\$ 300.00		
FAFC Fee Slip - September 2010	10/7/2010	\$ 300.00		
FAFC Fee Slip - September 2011	9/8/2011	\$ 300.00		
First American Fund Control	11/1/2010	\$ 2,704.15		
First American Fund Control (FAFC) Setup Fee	4/20/2010	\$ 1,000.00		
Union Bank Fees	7/5/1905	\$ 1,560.00		
TOTAL		\$ 16,954.15	\$ -	\$ 16,954.15

BA1.9

Pt. Molate Remediation Budget Report
As of August 15, 2014

Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
Morrison & Foerster LLP				
Morrison & Foerster LLP	10/21/2011	\$ 3,520.00		
Morrison & Foerster LLP	11/14/2011	\$ 1,933.75		
Morrison & Foerster LLP	12/8/2011	\$ 5,305.00		
Morrison & Foerster LLP	1/25/2012	\$ 297.50		
Morrison & Foerster LLP	3/15/2012	\$ 5,801.25		
Morrison & Foerster LLP	4/23/2012	\$ 1,611.25		
Morrison & Foerster LLP	5/18/2012	\$ 297.50		
Morrison & Foerster LLP	7/9/2012	\$ 1,041.25		
TOTAL		\$ 19,807.50	\$ -	\$ 19,807.50
Nichols Consulting Engineers, CHTD				
Nichols Consulting Engineers, CHTD	10/21/2011	\$ 6,234.50		
Nichols Consulting Engineers, CHTD	12/8/2011	\$ 4,845.00		
Nichols Consulting Engineers, CHTD	7/9/2012	\$ 22,670.75		
Nichols Consulting Engineers, CHTD	12/6/2012	\$ 12,945.00		
Nichols Consulting Engineers, CHTD	12/21/2012	\$ 2,016.64		
Nichols Consulting Engineers, CHTD	1/29/2013	\$ 1,905.00		
Nichols Consulting Engineers, CHTD	8/8/2013	\$ 1,046.00		
Nichols Consulting Engineers, CHTD	10/17/2013	\$ 24,745.00		
Nichols Consulting Engineers, CHTD	8/1/2014	\$ 18,683.67		
TOTAL		\$ 95,091.56	\$ -	\$ 95,091.56
PG&E				
PG&E	10/21/2011	\$ 6,626.33		
PG&E	12/8/2011	\$ 3,016.85		
PG&E	3/15/2012	\$ 3,026.91		
TOTAL		\$ 12,670.09	\$ -	\$ 12,670.09
RORE, Inc.				
RORE, Inc.	1/5/2011	\$ 31,581.00		
TOTAL		\$ 31,581.00	\$ -	\$ 31,581.00

3A1.10

Pt. Molate Remediation Budget Report
As of August 15, 2014

Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
Savings Interest				
Savings Interest	9/1/2011		\$ 8,047.46	
Savings Interest	3/7/2011		\$ 2,704.15	
Savings Interest - April 2010	5/10/2010		\$ 1,989.85	
Savings Interest - April 2010	5/12/2010		\$ 3,218.95	
Savings Interest - April 2011	5/18/2011		\$ 4,575.58	
Savings Interest - April 2011	5/18/2011		\$ 1,024.62	
Savings Interest - April 2011	5/18/2011		\$ 1,025.75	
Savings Interest - April 2011	5/18/2011		\$ 415.61	
Savings Interest - April 2011	5/25/2011		\$ 2,180.76	
Savings Interest - April 2012	5/21/2012		\$ 1,900.11	
Savings Interest - April 2013	5/13/2013		\$ 3,206.73	
Savings Interest - August 2010	9/15/2010		\$ 773.33	
Savings Interest - August 2010	9/15/2010		\$ 773.33	
Savings Interest - August 2010	9/15/2010		\$ 2,564.97	
Savings Interest - August 2010	9/15/2010		\$ 5,136.59	
Savings Interest - August 2010	3/7/2011		\$ (773.33)	
Savings Interest - August 2011	9/19/2011		\$ 2,090.17	
Savings Interest - August 2012	9/12/2012		\$ 1,923.15	
Savings Interest - December 2010	1/26/2011		\$ 654.76	
Savings Interest - December 2010	1/26/2011		\$ 4,621.71	
Savings Interest - December 2010	1/26/2011		\$ 4,951.46	
Savings Interest - December 2012	1/23/2013		\$ 1,885.68	
Savings Interest - Decemberr 2011	1/30/2012		\$ 2,005.79	
Savings Interest - February 2011	3/1/2011		\$ 1,795.24	
Savings Interest - February 2011	3/3/2011		\$ 504.17	
Savings Interest - February 2011	3/28/2011		\$ -	
Savings Interest - February 2011	3/28/2011		\$ 4,435.35	
Savings Interest - February 2012	3/14/2012		\$ 1,860.86	
Savings Interest - February 2013	3/18/2013		\$ 3,040.52	
Savings Interest - January 2011	2/28/2011		\$ 567.29	
Savings Interest - January 2011	2/28/2011		\$ 2,056.91	
Savings Interest - January 2011	2/28/2011		\$ 4,918.91	
Savings Interest - January 2012	2/22/2012		\$ 1,997.55	
Savings Interest - January 2013	2/13/2013		\$ 3,340.54	
Savings Interest - July 2010	8/11/2010		\$ 732.37	
Savings Interest - July 2010	8/11/2010		\$ 732.37	
Savings Interest - July 2010	8/11/2010		\$ 2,409.34	
Savings Interest - July 2010	8/11/2010		\$ 4,830.04	
Savings Interest - July 2010	3/7/2011		\$ (732.37)	
Savings Interest - July 2011	8/24/2011		\$ 7,096.07	
Savings Interest - July 2011	8/24/2011		\$ 2,097.56	
Savings Interest - July 2012	8/22/2012		\$ 1,929.33	
Savings Interest - July 2013			\$ 1,824.74	
Savings Interest - June 2010	7/26/2010		\$ 493.14	
Savings Interest - June 2010	7/26/2010		\$ 493.14	
Savings Interest - June 2010	7/26/2010		\$ 2,852.41	
Savings Interest - June 2010	7/26/2010		\$ 5,330.73	
Savings Interest - June 2010	3/7/2011		\$ (493.14)	
Savings Interest - June 2011	7/18/2011		\$ 7,000.65	
Savings Interest - June 2011	7/18/2011		\$ 419.20	
Savings Interest - June 2011	7/20/2011		\$ 2,034.00	
Savings Interest - June 2012	7/16/2012		\$ 1,879.15	
Savings Interest - June 2013	7/10/2013		\$ 3,180.04	
Savings Interest - March 2011	4/11/2011		\$ 1,150.69	
Savings Interest - March 2011	4/11/2011		\$ 1,150.69	
Savings Interest - March 2011	4/25/2011		\$ 4,904.82	
Savings Interest - March 2011	4/25/2011		\$ 430.34	

8A1.11

Pt. Molate Remediation Budget Report
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Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
Savings Interest - March 2011	4/25/2011		\$ 82.19	
Savings Interest - March 2011	5/25/2011		\$ 2,058.59	
Savings Interest - March 2012	4/30/2012		\$ 1,979.63	
Savings Interest - March 2013	4/16/2013		\$ 3,346.60	
Savings Interest - May 2010	6/11/2010		\$ 2,712.51	
Savings Interest - May 2010	6/11/2010		\$ 4,521.30	
Savings Interest - May 2011	6/22/2011		\$ 1,710.88	
Savings Interest - May 2011	6/22/2011		\$ 5,027.83	
Savings Interest - May 2011	6/22/2011		\$ 427.76	
Savings Interest - May 2011	6/22/2011		\$ 523.78	
Savings Interest - May 2011	6/22/2011		\$ 1,049.53	
Savings Interest - May 2011	6/22/2011		\$ 1,049.53	
Savings Interest - May 2012	6/18/2012		\$ 1,950.31	
Savings Interest - May 2013	6/14/2013		\$ 3,287.38	
Savings Interest - November 2010	12/15/2010		\$ 5,110.49	
Savings Interest - November 2010	12/15/2010		\$ 760.49	
Savings Interest - November 2011	12/12/2011		\$ 1,955.50	
Savings Interest - November 2012	12/19/2012		\$ 1,838.75	
Savings Interest - October 2010	11/17/2010		\$ 696.94	
Savings Interest - October 2010	11/17/2010		\$ 2,322.38	
Savings Interest - October 2010	11/17/2010		\$ 4,647.05	
Savings Interest - October 2011	11/1/2011		\$ 1,265.06	
Savings Interest - October 2011	11/21/2011		\$ 2,030.42	
Savings Interest - October 2012	11/16/2012		\$ 1,911.44	
Savings Interest - September 2010	10/20/2010		\$ 725.31	
Savings Interest - September 2010	10/20/2010		\$ 725.31	
Savings Interest - September 2010	10/20/2010		\$ 2,405.12	
Savings Interest - September 2010	10/20/2010		\$ 4,817.12	
Savings Interest - September 2010	3/7/2011		\$ (725.31)	
Savings Interest - September 2011	10/12/2011		\$ 6,224.06	
Savings Interest - September 2011	10/26/2011		\$ 1,997.61	
Savings Interest - September 2012	10/15/2012		\$ 1,853.35	
Savings Interest Adjustment - February 2011	3/3/2011		\$ 411.38	
Revenue	6/30/2011		\$ 8.63	
Savings Interest - August 2013	9/11/2013		\$ 1,818.23	
Interest	7/5/1905		\$ 409.95	
TOTAL			\$ 206,096.93	

8A1.12

Pt. Molate Remediation Budget Report
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Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
State Water Resources Control Board				
State Water Resources Control Board	11/10/2010	\$ 796.00		
State Water Resources Control Board	12/3/2010	\$ 3,553.88		
State Water Resources Control Board	4/18/2011	\$ 7,765.81		
State Water Resources Control Board	7/29/2011	\$ 8,397.38		
State Water Resources Control Board	10/21/2011	\$ 30,340.20		
State Water Resources Control Board	12/8/2011	\$ 36,003.36		
State Water Resources Control Board	1/25/2012	\$ 11,195.00		
State Water Resources Control Board	3/15/2012	\$ 48,269.05		
State Water Resources Control Board	7/9/2012	\$ 40,507.27		
State Water Resources Control Board	10/30/2012	\$ 31,116.76		
State Water Resources Control Board	12/6/2012	\$ 11,195.00		
State Water Resources Control Board	4/2/2013	\$ 23,492.08		
State Water Resources Control Board	8/8/2013	\$ 10,078.39		
State Water Resources Control Board (SCP Program)	12/18/2013	\$ 1,952.67		
State Water Resources Control Board	12/18/2013	\$ 11,877.00		
State Water Resources Control Board	2/10/2014	\$ 19,032.82		
State Water Resources Control Board	3/27/2014	\$ 6,224.57		
State Water Resources Control Board	6/3/2014	\$ 553.32		
State Water Resources Control Board	8/2/2014	\$ 20,589.19		
TOTAL		\$ 322,939.75	\$ -	\$ 322,939.75
Terraphase Engineering, Inc				
Terraphase Engineering, Inc	6/6/2011	\$ 78,656.54		
Terraphase Engineering, Inc.	1/5/2011	\$ 37,142.09		
Terraphase Engineering, Inc.	2/16/2011	\$ 63,617.92		
Terraphase Engineering, Inc.	1/25/2012	\$ 110,282.57		
Terraphase Engineering, Inc.	3/15/2012	\$ 61,726.26		
Terraphase Engineering, Inc.	3/15/2012	\$ 145,489.51		
Terraphase Engineering, Inc.	4/23/2012	\$ 121,263.22		
Terraphase Engineering, Inc.	5/18/2012	\$ 154,907.80		
Terraphase Engineering, Inc.	7/9/2012	\$ 129,899.78		
Terraphase Engineering, Inc.	7/20/2012	\$ 133,279.02		
Terraphase Engineering, Inc.	8/29/2012	\$ 70,585.19		
Terraphase Engineering, Inc.	9/19/2012	\$ 68,665.72		
Terraphase Engineering, Inc.	10/30/2012	\$ 103,672.81		
Terraphase Engineering, Inc.	12/6/2012	\$ 174,878.31		
Terraphase Engineering, Inc.	12/21/2012	\$ 269,077.05		
Terraphase Engineering, Inc.	2/12/2013	\$ 281,577.64		
Terraphase Engineering, Inc.	4/2/2013	\$ 202,972.88		
Terraphase Engineering, Inc.	4/30/2013	\$ 82,590.63		
Terraphase Engineering, Inc.	5/1/2013	\$ 75,316.43		
Terraphase Engineering, Inc.	6/14/2013	\$ 43,556.01		
Terraphase Engineering, Inc.	8/8/2013	\$ 44,555.23		
Terraphase Engineering, Inc.	8/8/2013	\$ 60,528.86		
Terraphase Engineering, Inc.	4/18/2011	\$ 168,063.37		
Terraphase Engineering, Inc.	7/7/2011	\$ 66,639.77		
Terraphase Engineering, Inc.	7/29/2011	\$ 37,573.67		
Terraphase Engineering, Inc.	8/23/2011	\$ 99,184.28		
Terraphase Engineering, Inc.	9/14/2011	\$ 109,635.96		
Terraphase Engineering, Inc.	10/21/2011	\$ 51,791.39		
Terraphase Engineering, Inc.	11/14/2011	\$ 71,065.26		
Terraphase Engineering, Inc.	12/8/2011	\$ 158,309.56		
Terraphase Engineering, Inc.	10/17/2013	\$ 51,248.57		
Terraphase Engineering, Inc.	11/15/2013	\$ 28,351.81		
Terraphase Engineering, Inc.	12/18/2013	\$ 68,604.41		
Terraphase Engineering, Inc.	12/20/2013	\$ 66,328.38		
Terraphase Engineering, Inc.	2/10/2014	\$ 65,579.43		
Terraphase Engineering, Inc.	3/17/2014	\$ 103,683.69		
Terraphase Engineering, Inc.	3/27/2014	\$ 102,373.52		
Terraphase Engineering, Inc.	4/29/2014	\$ 68,324.79		
Terraphase Engineering, Inc.	6/3/2014	\$ 61,640.00		
Terraphase Engineering, Inc.	7/11/2014	\$ 36,883.79		
Terraphase Engineering, Inc.	8/2/2014	\$ 52,505.63		
TOTAL		\$ 3,982,028.75	\$ -	\$ 3,982,028.75

BA.1.13

Pt. Molate Remediation Budget Report
As of August 15, 2014

Vendors	Date	Expenditures As of 8/15/2014	Revenues As of 8/15/2014	Balance As of 8/15/2014
Winehaven Partners, LLC				
Winehaven Partners, LLC	1/5/2011	\$ 5,418.11		
Winehaven Partners, LLC	2/16/2011	\$ 2,753.49		
Winehaven Partners, LLC	4/18/2011	\$ 2,680.76		
Winehaven Partners, LLC	6/6/2011	\$ 362.75		
Winehaven Partners, LLC	7/7/2011	\$ 4,352.37		
Winehaven Partners, LLC	7/29/2011	\$ 574.96		
Winehaven Partners, LLC	8/23/2011	\$ 221.78		
Winehaven Partners, LLC	9/14/2011	\$ 89.96		
Winehaven Partners, LLC	10/21/2011	\$ 136.55		
Winehaven Partners, LLC	11/14/2011	\$ 127.23		
Winehaven Partners, LLC	12/8/2011	\$ 127.36		
Winehaven Partners, LLC	1/25/2012	\$ 127.42		
Winehaven Partners, LLC	4/23/2012	\$ 137.42		
Winehaven Partners, LLC	4/23/2012		\$ 127.42	
TOTAL		\$ 17,110.16	\$ 127.42	\$ 16,982.74
Current as of 8/15/2014		\$ 9,918,293.09	\$ 206,402.35	
Remaining Balance				\$ 18,788,119.26
* Net Total - Indicates the net amount paid to a vendor after accounting for a return of funds paid by the vendor back into the escrow account				

BA1.14

Pt. Molate FY2013-14 Budget

Department	Account	Item	Vendor	Budget	Actual	Balance
City Attorney's Office	01151014-400206	Legal Services	Morrison Foerster	\$ 70,000	\$ -	\$ 70,000
Public Works	01231031-400218	Security	DP Security	\$ 253,331	\$ 241,899	\$ 11,432
Public Works	01233631-400537	Landscape	D&H Landscaping	\$ 99,000	\$ 87,798	\$ 11,202
				<u>\$ 422,331</u>	<u>\$ 329,697</u>	<u>\$ 92,634</u>

As of June 30, 2014

BAZ.1

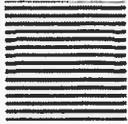
BAZ.2

Pt. Molate FY2014-15 Budget

Department	Account	Item	Vendor	Budget	Actual	Balance
City Attorney's Office	01151014-400206	Legal Services	Morrison Foerster	\$ 70,000	\$ -	\$ 70,000
Public Works	01231031-400218	Security	DP Security	\$ 253,331	\$ -	\$ 253,331
Public Works	01233631-400537	Landscaping	D&H Landscaping	\$ 99,000	\$ 7,500	\$ 91,500
				<u>\$ 422,331</u>	<u>\$ 7,500</u>	<u>\$ 414,831</u>

As of July 31, 2014

BAZ.4



DP Security Services, INC

P.O. Box 391 Sta-A Richmond, Ca. 94808 510-237-9320 Fax 510-215-9009

August 14, 2014

Captain Mark Gagan
Southern District Commander
Richmond Police Department
Richmond, Ca. 94806

During the month of July, 2014, DP Security, LLC maintained a 24/7 security posture at the Point Molate site. The deployment of security at Point Molate, consist of the following site requirements.

1. To monitor from a **Mobile Position** the lower portion of the region to include the shoreline and the perimeter fencing. Also monitor all activities within the Point Molate region to include visitors and contractors during normal business hours.
2. DP Security will also deploy a **Roving Patrol** throughout the upper ridge area of Point Molate monitoring and checking the status of various fixed assets owned by the City of Richmond. During all hours DP Security will utilizes a "deggy" notification system which tracks the movement of all security personnel assigned to assure that the security expectations are being fulfilled.
3. Document all contractors and visitors entry with prior approval by Redevelopment Agency representatives.

Captain Gagan the following is the compiled information relating to activity at the Point Molate site during the month of July, 2014.

Primary Personnel Assigned: Perimeter Patrols: R. Duncan, J. Rideau
A. Reed
Rovers: R. Singleton, C. Ojeh
Relief: J. Owens, O. Fordjar

D.P. Security personnel initiated 2010 security checks within the upper ridge line and lower shoreline areas of Point Molate during the month of July, 2014. There were two significant incidents noted by security during the month.

July 8, 2014, 1245hrs, Security while patrolling the Point Molate Park located an informational sign that had fallen to the ground. There were no signs which indicated at that time that the sign was vandalized or intentionally taken down.

845.1



DP Security Services, INC

P.O. Box 391 Sta-A Richmond, Ca. 94808 510-237-9320 Fax 510-215-9009

July 30, 2014, 0455hrs, Security located a potential power outage at the water treatment location at Point Molate (Gate #6). Terraphase Engineering was contacted to respond and evaluate the possible cause of the outage.

Contractors contacted at the Point Molate site by DP Security personnel during the month of July, 2014.

Terra Phase – 3 contacts
D&H Landscaping – 9 contacts
Point San Pablo Yacht Harbor Employees – 3 contacts
Bay Crossing – 1 contact
City of Richmond Employee – 1 contact
Wine Haven Tour 1 contact
T.D.W. Construction – 1 contact
E.B.T. – 1 contact
D.I.A.M. – 1 contact

Administrative Action Taken:

None

Site Environmental Concerns:

None

Sincerely,

Michael Davenport, Owner/President

8A5.2

Craig Murray

From: Cornell Hughes
Sent: Monday, August 04, 2014 2:45 PM
To: Al Shanklin
Cc: Craig Murray
Subject: Point Molate power
Attachments: IMG_1282.JPG; IMG_1285.JPG; IMG_1286.JPG; IMG_1288.JPG; IMG_1289.JPG

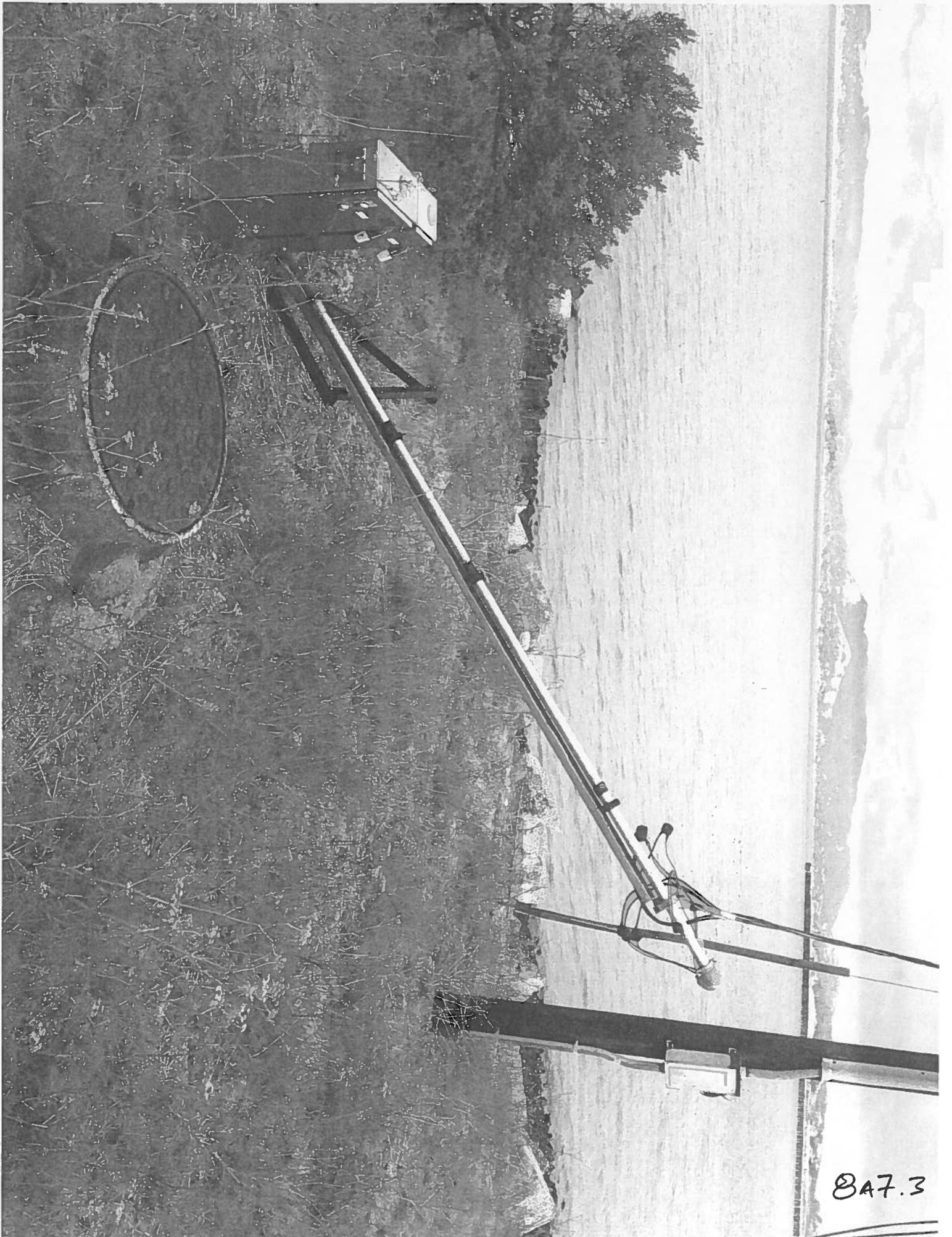
Power has been restored again. We cleared a few locations that had problems. We found more sticks on the lines. A rotted service that had fallen over and a bunch of eucalyptus trees that had grown into the lines.

Cornell Hughes

Electrical Supervisor
City of Richmond
Public Works Dept.
510 231 3033 (office)
510 231 3039 (fax)

M-F 6:30am - 3:00 pst

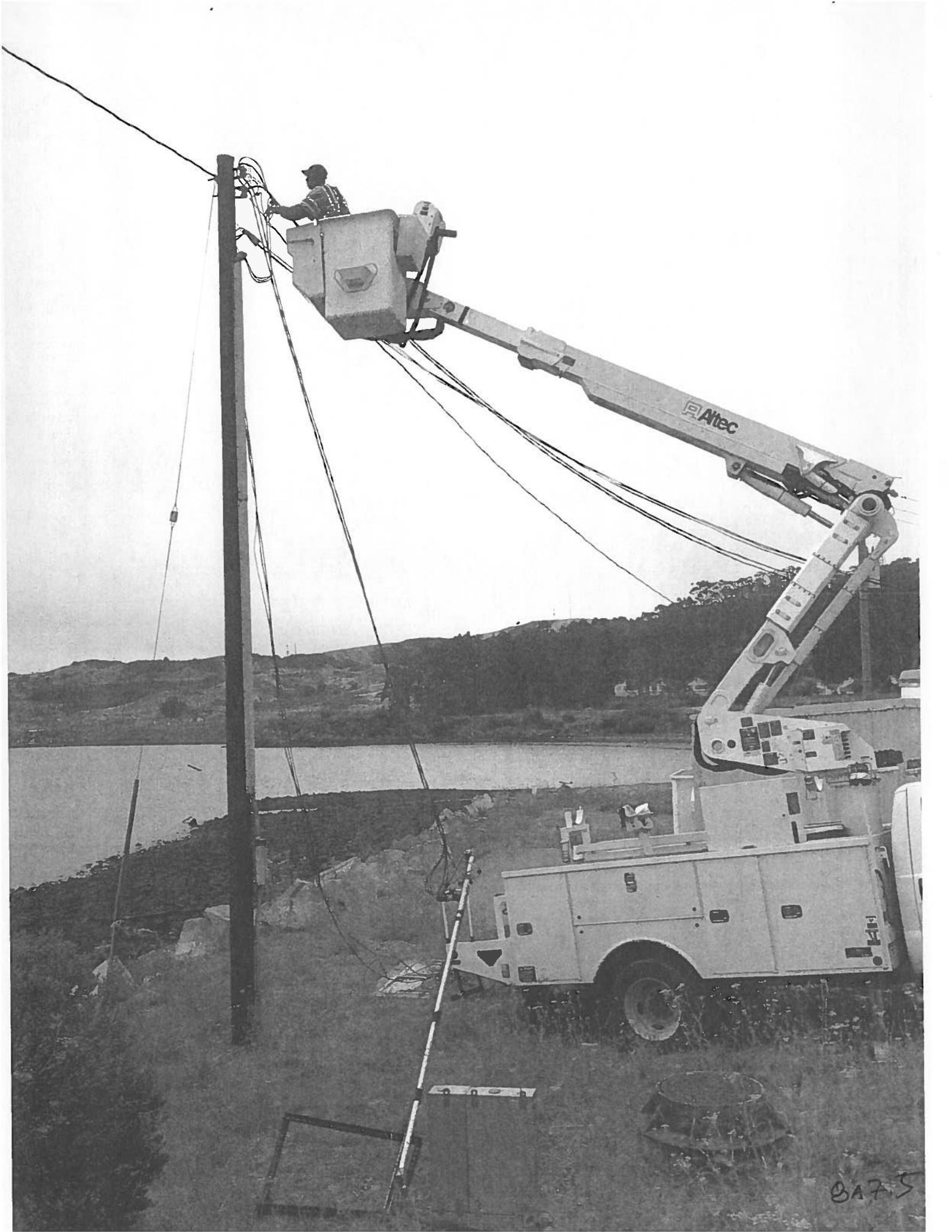
8A7.2



BA7.3

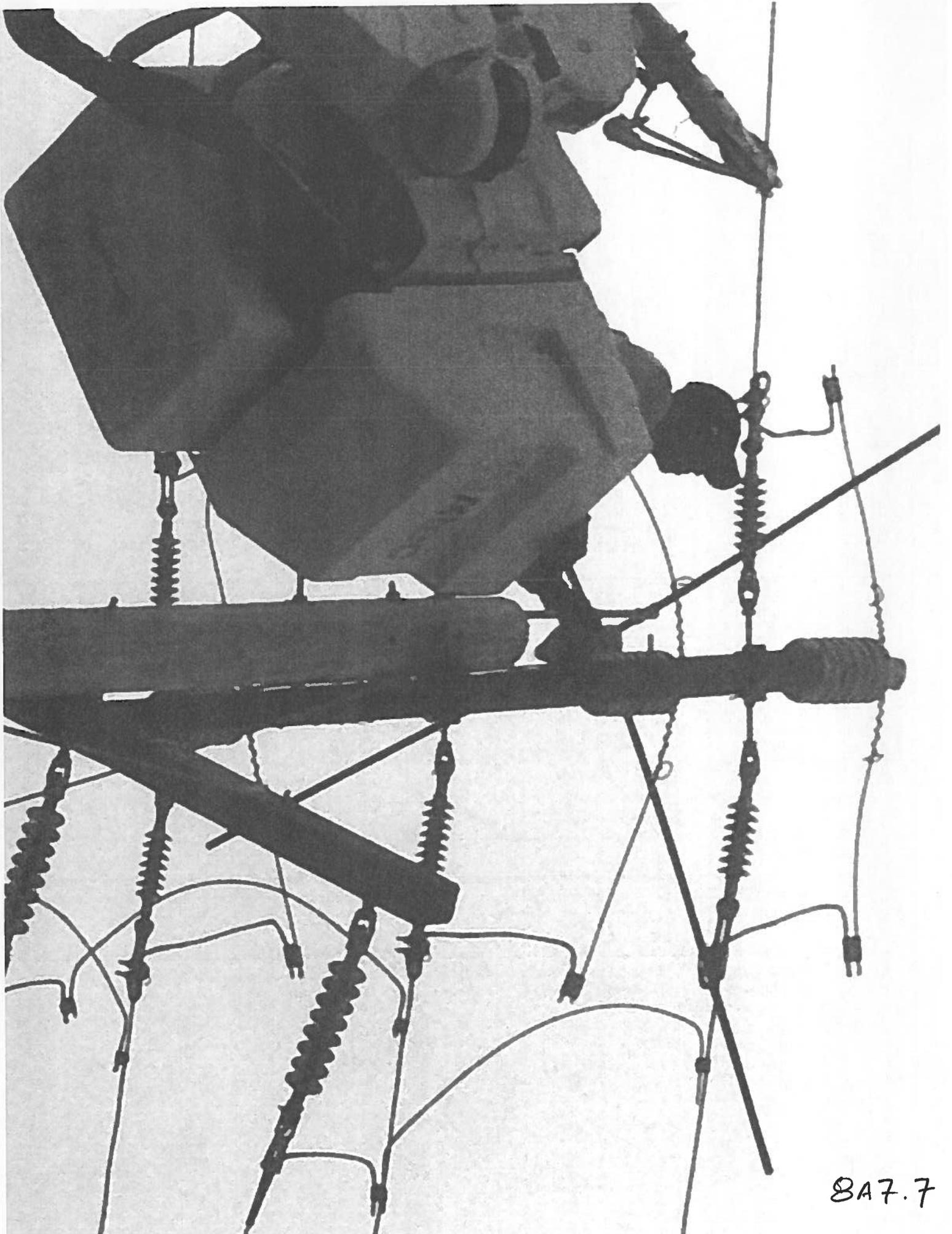
2.119

BA7.4



8475

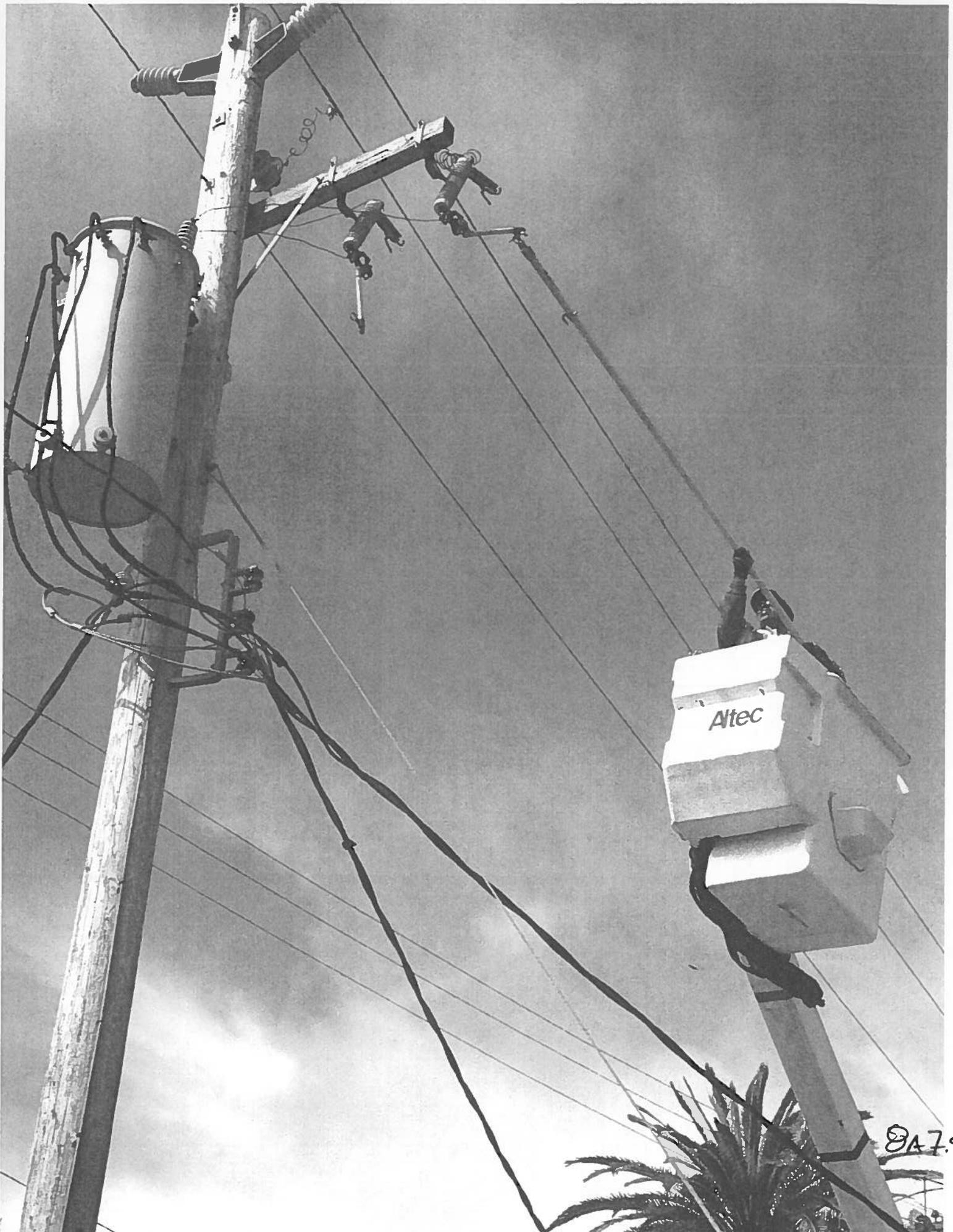
8A7.6



8A7.7

17719

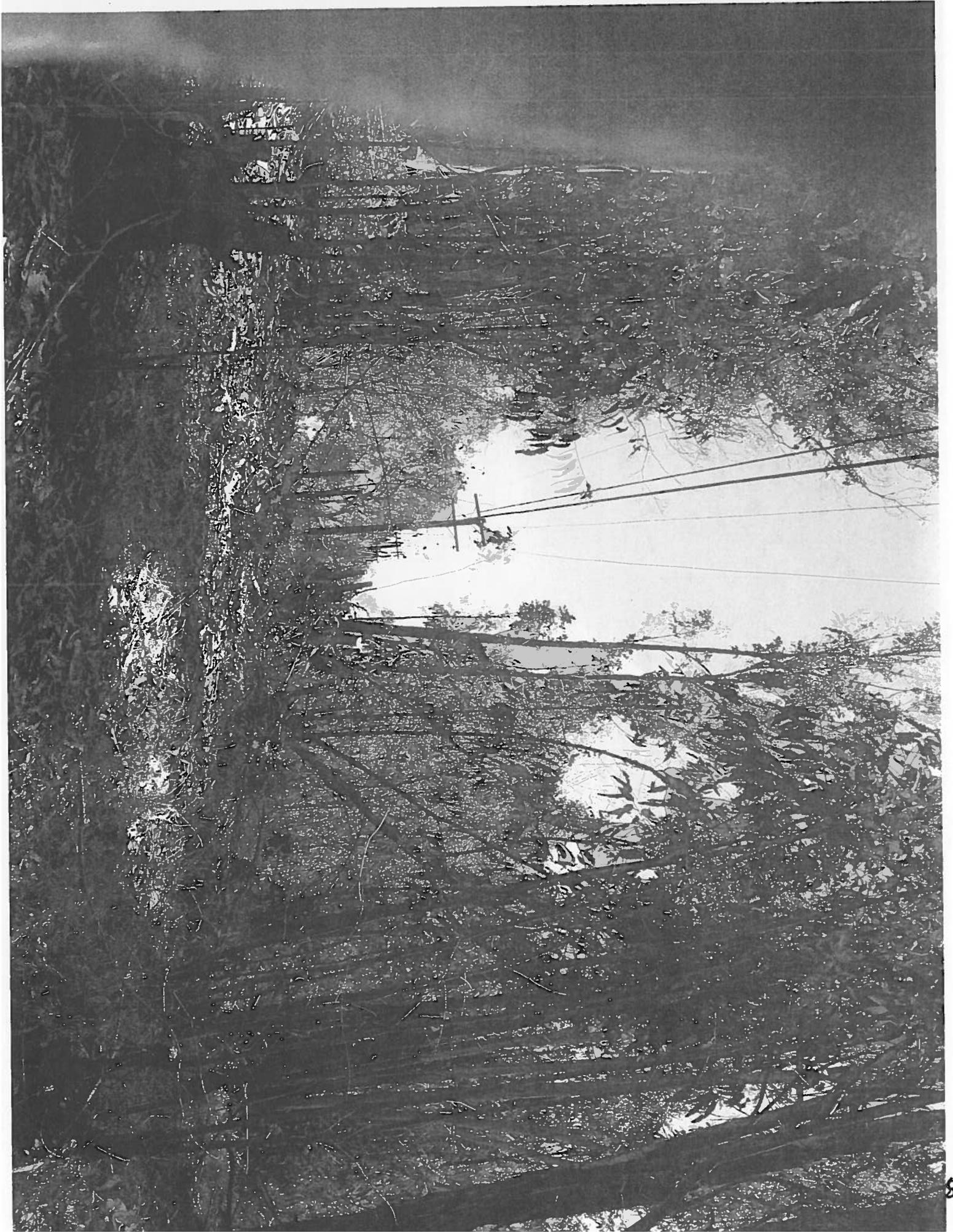
8A7.B



8A7.9

1110

8A7.10



8A
11

817.12

Craig Murray

From: Cornell Hughes
Sent: Monday, August 11, 2014 1:54 PM
To: Jason Barrett (JSBy@pge.com)
Cc: Al Shanklin; Yader Bermudez; Craig Murray
Subject: Point Molate Main power loss issue

Point Molate Main power loss issue.

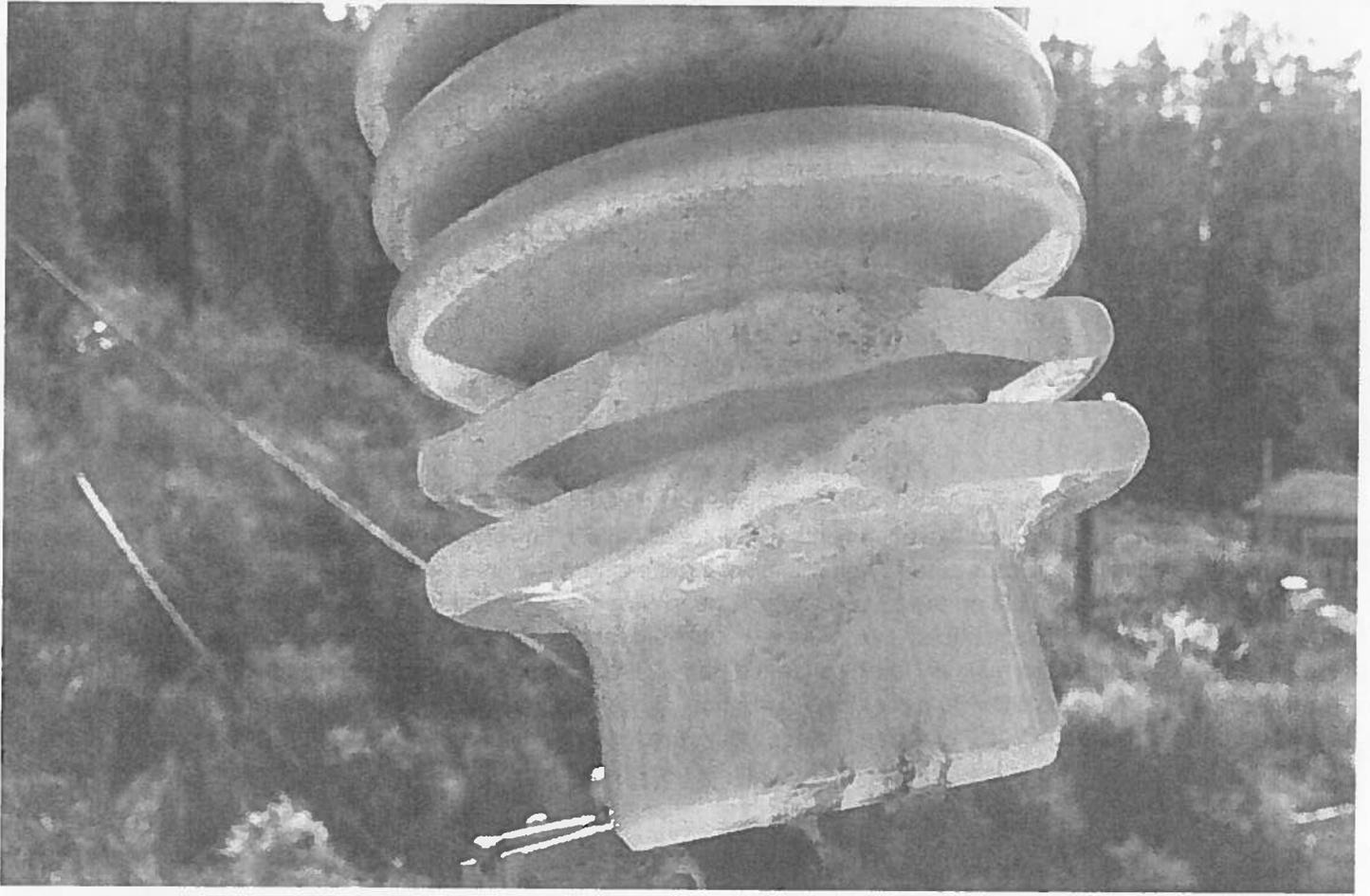
Jason,

This is the 4th outage in as many weeks. Each time I have asked PG&E to hold off on restoring the power while I have my crew look for the cause of the outage on my end. PG&E crews have been very accommodating. We have removed sticks from the HV lines, cut Eucalyptus out of the HV lines on a ridge where the lines pass close to the ground. Checked all the poles and insulators in the field on the 12,000 volt side near Winehaven for bad insulators and ground paths. (didn't find any) but did remove a couple of sticks. Each time it would hold for a short time (a few days) and then pop.

We are not set up to test the main HV lines, so I called Harris Electric to evaluate our switch gear, and our distribution from the main switch gear to the pole tops for distribution. Since they were there and the power was already off, I asked them to evaluate the PG&E main feed to our main switch gear.

As you can see, it looks like at least 1 insulator need to be replaced and the main PG&E feeds from the pole to the switch gear also need to be replaced.

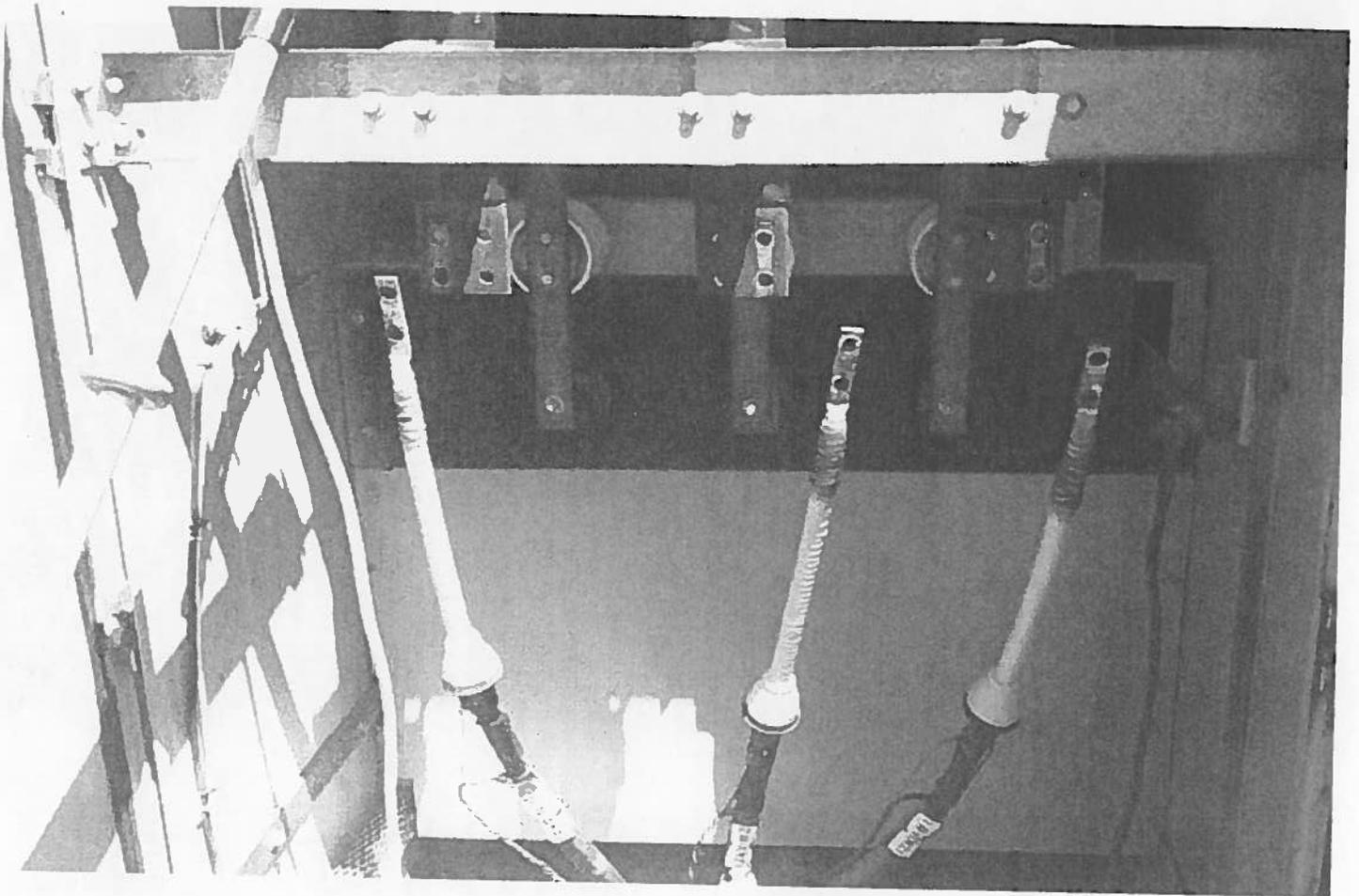
This is what Harris Electric found.



Bad insulator on PG&E Phase 1.



2 bad fuses on CPT feeding space heaters in switch gear.



All three cables are megging out bad. Around 30 megohms to ground and 45 megohms between phases. We should have around 5 gig ohms .

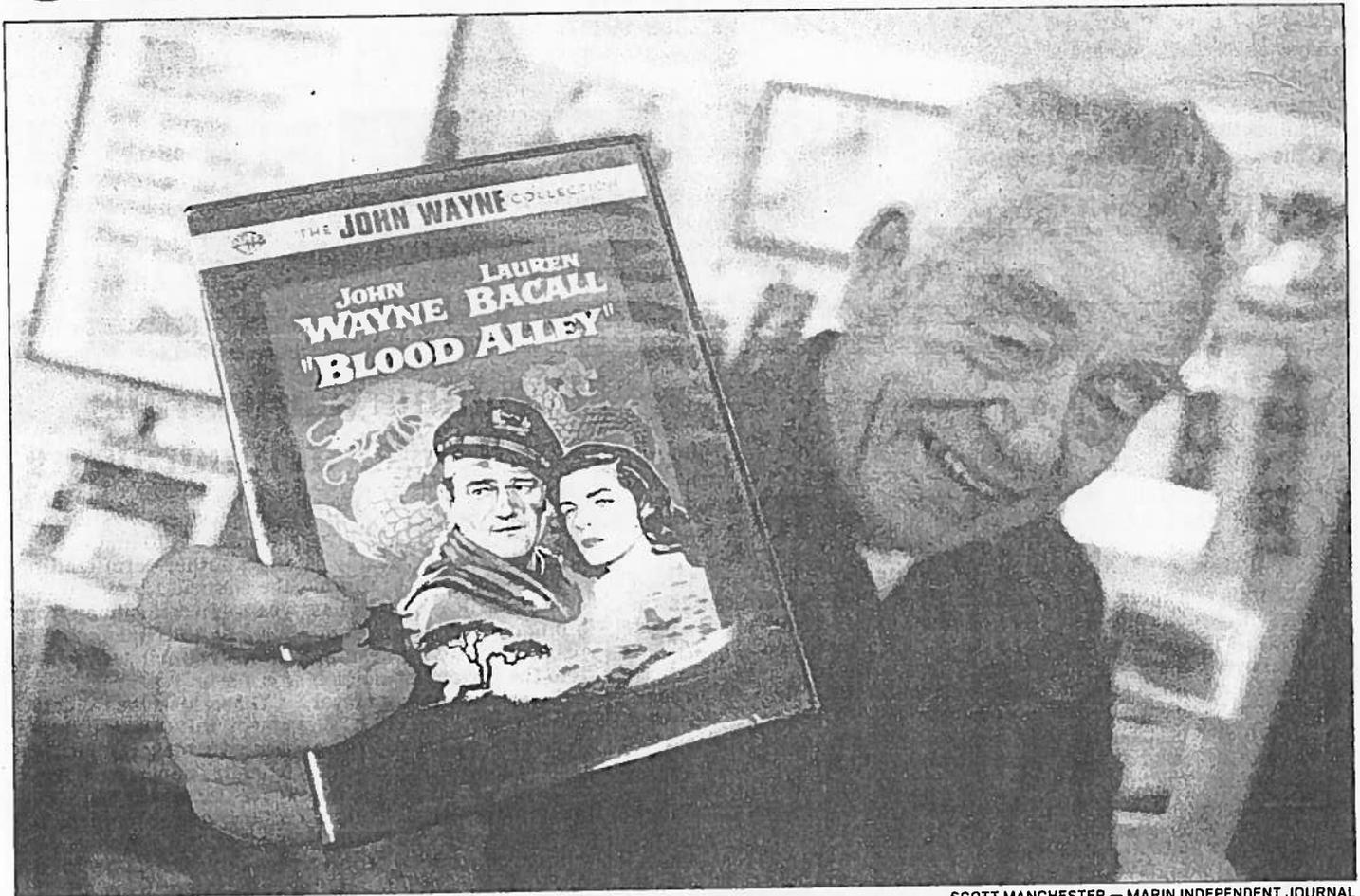
Please let us know what the repair schedule looks like.

Cornell Hughes

Electrical Supervisor
City of Richmond
Public Works Dept.
510 231 3033 (office)
510 231 3039 (fax)

M-F 6:30am - 3:00 pst

WHEN HOLLY WOOD CAME TO CHINA CAMP



SCOTT MANCHESTER — MARIN INDEPENDENT JOURNAL

Frank Quan with a DVD of the 1955 movie "Blood Alley." His family worked in production roles during filming at China Camp.

By Mark Prado
mprado@marinij.com
[@MarkPradoIJ](https://twitter.com/MarkPradoIJ) on Twitter

Frank Quan fondly remembers the time when Hollywood turned China Camp Village into a star on silver screens across the world.

"It was a kick," Quan, 89, said with a smile as he recounted the film shoot almost 60 years ago that starred John Wayne and Lauren Bacall.

The Friends of China Camp will show the movie "Blood Alley" at the park Aug. 30 as a fundraiser for the group.

The Cold War-era flick has a merchant marine captain rescuing a village from Chinese communists by getting them to Hong Kong and freedom via a paddle steamer.

Robert Mitchum was supposed to play the lead role and landed in Marin in early 1955, taking up residence at the old Bermuda Palms motel at 737 Francisco Blvd. From the get-go, it seemed as though the actor was in an ornery mood. When

"BLOOD ALLEY" SHOWING

Film Night in the Park will present "Blood Alley," starring John Wayne and Lauren Bacall, at China Camp Village at 8 p.m. Aug. 30. The film was shot at the village in 1955. The event will benefit Friends of China Camp.

asked on Jan. 10 when co-star Bacall might arrive, Mitchum snapped: "I haven't the vaguest idea. I'm only interested in pay-day."

A day later, the actor was off the project.

"There was big fight or something and that was it," Quan said. "It was one of those crazy things."

As shooting began, crews rented a ferry to ply the bay for a scene. The ferry crew got turned around in the fog and couldn't find their way back to shore. An agitated Mitchum apparently pushed a crew member into the icy water. Mitchum described his maneuver as a "gentle shove." The film producers were not amused and asked the



This movie photo is from the 1955 movie "Blood Alley," which was shot at China Camp Village in San Rafael.

actor to leave the production citing delays he caused.

William Holden, Gregory Peck and Humphrey Bogart, who was married to Bacall at the time and later turned up on the set, were mentioned as re-

placements, but it was Wayne who stepped in. He had already signed on as co-producer.

Today, inside Quan's general store at China Camp, pictures of "The Duke" adorn the walls.

FILM » PAGE 4

BAB.1

Film

FROM PAGE 1

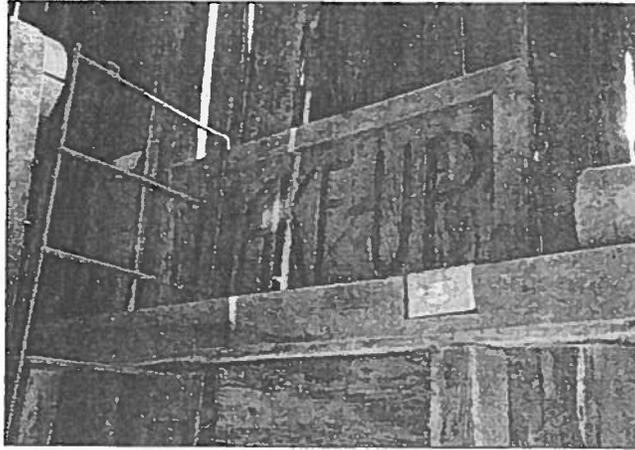
One shot is of Wayne with Quan's sister Bertha on the set.

"He was here shooting every day for about two months," said Quan, whose grandfather moved from San Francisco's Chinatown in 1895 and built the general store and raised a family. "John Wayne was very friendly. He and Mom (Grace) really got along well. My mom would get into trouble because she would try to film on her old noisy camera and they would have to chase her away."

Bacall was said to be less friendly.

"No one talked to her," Quan said. "She didn't want to have anything to do with anything."

The Quan family was employed by the filmmakers in various production



SCOTT MANCHESTER — MARIN INDEPENDENT JOURNAL

The MAKE-UP sign in the room used for makeup during the filming of the 1955 movie "Blood Alley."

roles. Frank ended up creating much of the fog seen in the movie.

"I had four drums of oil out there on a boat and a big frying pan type thing with a fire underneath and you poured this oil on and it smoked," he said, with a laugh. "They would probably arrest us for doing that today. What you see on the

film really happened, so when you see things blowing up, they really blew up. There were no computers in those days."

Buildings were added at the site and existing buildings converted into a makeup room.

Crews put up three buildings, a castle with stairs and a replica of a

portion of the Great Wall, Quan said. Shooting was also done in Tiburon and the Marinship, as well as in the Delta.

"It was exciting to see the movie once it was out, it was quite a big deal for all of us," said Quan, who still lives in the village.

Filmed in the mid-1950s, the film displays some of the racial stereotyping of the day.

"We debated whether to show the movie because of those stereotypes," said Steve Deering, a Friends of China Camp volunteer leader. "But our chairman, Ed Lai, will address the audience before the film explaining what America was like in the 1950s. It will give some context."

Said Tom Boss, director of Film Night in the Park and a China Camp volunteer: "It will be exciting to show a movie where you will look at the screen and look to your left and see what was caught on film."

SAN RAFAEL

Cultural event slated at China Camp park

The Friends of China Camp will hold a heritage day at China Camp State Park from 11 a.m. to 4 p.m. Aug. 23.

The community will celebrate Chinese-American heritage, seafaring culture and the natural history of the park. Local environmental, cultural and historical groups will have educational displays. There will be music and dance performances. Twenty percent of arts and crafts sales will be donated to the Friends of China Camp. Parking is \$5.

For more information, go to www.friendsofchinacamp.org.

WILDLIFE

OSPREYS NESTING IN THE BAY AREA



FRANKIE FROST — MARIN INDEPENDENT JOURNAL

An osprey flies away with its catch during a bird watching tour Jan. 5 around Rodeo Lagoon in the Marin Headlands near Sausalito. This year there were 21 nested areas around the bay coastline.

Raptors claim new territory, a change from inland living

By Dennis Cuff
Bay Area News Group

The osprey, a fierce and powerful fishing bird, used to be just another San Francisco Bay shoreline visitor, flying over and feeding without setting down roots but now is appearing in Marin from Richardson Bay to West Marin.

The acrobatic divers are becoming natives, constructing elaborate stick nests on cranes, poles or other man-made structures.

Ospreys nested in 21 places around the bay shorelines this year and 17 last year, up sharply from a single active nest in the

early 1990s. Most of the new nests are in the North and East Bay.

"They have been seen at Kent Lake, Bon Tempe, Alpine, a lot of the (Marin Municipal) water district lakes," said Barbara Salzman, president of Marin Audubon. "They have even been seen at Stafford Lake as well as in Tomales Bay. They have gradually increased."

Although osprey populations were once threatened because of DDT contamination, the birds now prosper in many areas, living on every continent except Antarctica and they migrate through or winter in the Bay Area.

OSPREYS » PAGE 2



ARIC CRABB — BAY AREA NEWS GROUP

An osprey nest sits atop a crane last week at Point Potrero in Richmond.

"They are very charismatic birds with tremendous diving skills. And fortunately for us humans, ospreys are much more tolerant than many large raptors of people."

— Tony Brake, Golden Gate Raptor Observatory volunteer bird monitor

848.3

Ospreys

FROM PAGE 1

Before that, ospreys steered clear of the bay, preferring to nest in areas far north of the Bay Area, or inland, especially near lakes.

Scientists aren't sure why the raptors made the move. They speculate it may have to do with changes in bay water quality, clarity and abundance of fish.

Or it may have something to do with bald eagles — another species on the upswing — crowding ospreys out of their prime nest spots near lakes in the North Bay.

"We don't have all the answers, but the nesting territory is a significant change that has occurred in a relatively short period of time," said Tony Brake, a volunteer bird monitor with the Golden Gate Raptor Observatory.

Brake and fellow volunteer Harvey Wilson noted the trend as they studied nest sites over the past three years.

"They are very charismatic birds with tremendous diving skills," Brake said. "And fortunately for us humans, ospreys are much more tolerant than many large raptors of people."

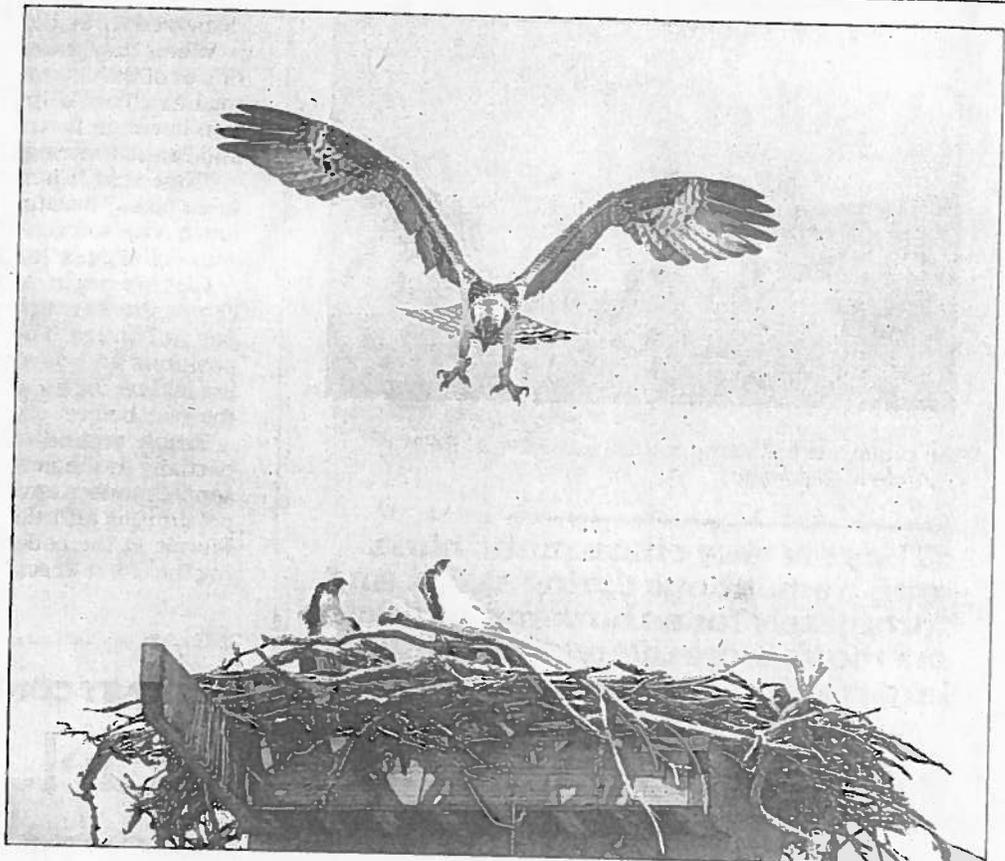
With wingspans of 5 to 6 feet, the slender ospreys soar over water to spot fish, then nose dive from up to 100 feet in the air to pluck up prey as deep as 3 feet below the surface.

Lately, they have shown a preference for the East Bay shoreline. On clear mornings, Brake said, he gets a little mental lift when he peers through a spotting scope at his Point Richmond home and sees two juvenile ospreys in a nest a mile away, built on a historical shipbuilding crane in Richmond.

Earlier this week, he watched up close as a daddy osprey dropped striped bass and other fish to the two young birds making loud cries that reverberated along the shoreline.

"They beg very loudly, and they don't stop calling even when they're eating," he explained. "Ospreys are very persistent."

Brake watches and takes notes on nest building,



ARIC CRABB — BAY AREA NEWS GROUP

A family of osprey use a nesting box last week at the Chevron refinery in Richmond.

OSPREY FACTS

Osprey: A large raptor that is the only North American hawk that feeds almost exclusively on fish.

Wing span: 59 to 70 inches.

Adult weight: 50 to 71 ounces.

Fishing skills: Ospreys catch fish on one of every four dives, making a catch about once every 12 minutes of fishing.

Frequent flier: An osprey may log 160,000 air miles in migrations over its lifetime of 15 to 20 years.

Nests: Contains two to three eggs on average. Stick nests can be 10- to 13-foot deep and three- to six-foot in diameter — easily big enough for a human to sit in.

Risks: Ospreys build their nests with sticks and other scooped up materials, including fishing line. The line can wrap around and injure the chicks.

To view a live video feed of an osprey nest in Montana, go to http://cams.allaboutbirds.org/channel/27/Hellgate_Ospreys/

breeding, feeding and fledging. In early July, though, he helped a San Rafael Wild-Care worker remove fishing line cutting into the leg of a young bird. It recovered nicely and has started to fly.

Most of the new nest sites are in or near industrial areas in Richmond or Vallejo — spots with cranes, poles or platforms that provide substitutes for a tree snag or crown.

The city of Richmond built a platform on a pier not accessible to the public, and ospreys nested there.

Officials at the Chevron

oil refinery in Richmond also built a platform to lure ospreys to nest and steer clear of their original destination: a power pole that could have electrocuted them, Brake said.

The growing population of ospreys along the shoreline has spurred new opportunities for cities or industries to build platforms as safe nesting spots, said Cindy Margulis, executive director of the Golden Gate Audubon Society.

"It's a wonderful way for people to connect to wildlife," Margulis said.

Shoreline property owners also need be on the lookout for osprey nests. It is a violation of international migratory bird treaties and federal law to harm chicks in a nest, said Allen Fish, director of the Golden Gate Raptor Observatory.

The Port of San Francisco last year ruffled birders' feathers when it removed an apparent osprey nest from a crane needed for the America's Cup yacht races.

The U.S. Fish and Wildlife Service investigated and found no legal violations by the port, which said the nest was empty, Rebecca Rocca, an agency supervisor, said in an email.

Fish advises property owners who find osprey nesting activity on their property or equipment not to remove nests without first consulting with the state Department of Fish and Wildlife.

"Osprey can put together nests very fast," Fish said. "If you have a place along the shoreline that could attract them, you could end up with an osprey nest in February or March."

II reporter Mark Prado contributed to this report.

Living

Birds of prey call Tahoe, Truckee home



ABOVE: An osprey takes flight over North Tahoe Regional Park in Tahoe Vista in May 2012.
FILE PHOTO

RIGHT: A red-tailed hawk devours a gull recently on the South Shore.

COURTESY TOREE WARFIELD



Toree Warfield
Toree's Stories

There is a handsome fellow I run into sometimes on my walks, and his name is Hoss, so dubbed by the late Bill Bohn; therefore, Hoss he shall remain.

He is a red-tailed hawk. I may have also known him when he was young as I had a juvenile visiting my bird feeders a couple years back, trying to catch lunch. He was never successful, at least not when I was watching.

One time, though, years ago, my daughter and her little friends happened to be watching out the upstairs window and saw a bird of prey catch a small songbird and proceed to eat it in the driveway. They were horrified, but compelled to watch.

Mostly the hawk eats small mammals, such as mice, rabbits and squirrels, but will also eat spiders, grasshoppers, earthworms and fish. I keep hoping that Hoss will eat those pesky squirrels that keep eating my tulip bulbs...

I was fortunate to capture this photo recently of a hawk eating a gull in the parking lot of a Safeway on the South Shore.

He displayed his signature red tail while guarding his food, staring at me, daring me to try and take his hard-earned meal. What a beauty he is, and large. His wing span is generally around four feet.

He mates in the spring, the female laying two or three eggs in a thick nest high up in a tree or on a ledge. The female primarily incubates the eggs for about a month while the male keeps busy feeding her.

They both work to feed the young for six weeks; the young are totally fledged at four months. Red-tailed hawks mate for life, taking another mate only if the other dies.

OSPREY

Another bird that mates for

BIRDS

From page 22

life is the osprey, which can be found around Lake Tahoe in the summer. This bird is distinguished by his white breast, white head, brown wings and a brown stripe through his yellow eyes.

He's an impressive sight soaring overhead with a wingspan of 4-5 feet or more.

Its nest is a large pile of sticks, built in the open on a pole, ledge or dead tree near water. The female lays two to four eggs which are incubated for five weeks.

It can take as long as five days for all the hatchlings to emerge and as much as 2 and a half months to fully fledge.

The osprey circles the water, chirping as he hunts, hovering for a moment before diving feet first, to pluck his prize from the water.

He has barbed pads on his feet and will orient the fish for optimum aerodynamics as he's flying to a perch or back to the nest.

Unlike other birds of prey, which eat small mammals or insects as well as fish, the osprey eats only live fish.

BALD EAGLE

The osprey is basking in the warmth of Mexico by now, but will be back in the spring. Until then, we have the bald eagle to entertain us, which are more prevalent at Lake Tahoe in the winter than in the summer.

The bald eagle, along with several other birds of prey, was endangered and on the brink of extinction back in the 60s, mainly due to the use of pesticides but also because of hunting, electrocution and the loss of habitat.

Thanks to the intervention of the government, the eagle has made a tremendous comeback and was removed from the endangered list in 2007.



Monica Lambertson of Zephyr Cove took this photo on Saturday, Dec. 7, of a bald eagle that flew past her window and landed in the tree behind her home.

COURTESY MONICA LAMBERTSON

Its nest is the largest of any bird in North America, measuring as much as 8 feet across and 13 feet deep.

The nest is used more than once, added to each year, for up to five years, before its massive weight can no longer be borne by the branches it rests on.

The bald eagle breeds earlier than other raptors, laying typically two eggs in late

February to mid-March, hatching from mid-April to early May.

The young eagles gain sexual maturity between four and five years of age, at which point they also will display the signature white head and tail. They often return to where they were born to breed.

If only we humans could learn from these large raptors — the bald eagle also

mates for life.

Toree Weyfield is an avid nature lover, and writes this column to teach and stimulate interest in the marvels that surround us. See save-our-planet-earth.blogspot.com to read columns and to find links to bird song recordings, additional photos and other content.

8AB.6

City of Richmond – POINT MOLATE COMMUNITY ADVISORY COMMITTEE

Multi-Purpose Room
440 CIVIC CENTER PLAZA

**PROPOSED MINUTES
MONDAY, July 21, 2014, 6:30 PM**

1. CALL TO ORDER

Chair Carman called the meeting to order at 6:30 p.m.

2. ROLL CALL

Present: Committee Members Carman, Garrett, Gilbert (6:34), Hite, Martinez, Smith, Sundance.

Absent: Kortz, Puleo.

Staff Present: Craig K. Murray, Staff Liaison, Development Project Manager II; Gayle McLaughlin, Liaison to the City Council

3. WELCOME AND MEETING PROCEDURES

Carman presented.

4. AGENDA REVIEW AND ADOPTION

Carman reviewed.

Action: Committee approved (M/S Martinez/Smith 6-0-3-0) to adopt the Agenda.

AYES:	Carman, Garret, Hite, Martinez, Smith and Sundance
NOES:	None
ABSENT:	Gilbert, Kortz, Puleo
ABSTAIN:	None

5. ANNOUNCEMENTS THROUGH THE CHAIR

Carman reported.

6. OPEN FORUM

No speakers.

7. PRESENTATIONS, DISCUSSION & ACTION ITEMS

1. Presentation of Oyster Reef Project

Christopher Lim, Living Shoreline Program Manager, The Watershed Project presented. Lim presented information on native and commercial oysters, how subtidal areas can be improved, habitat designs and projects in San Rafael and Hayward. Discussion about BCDC Sub Tidal Habitat Report and application at Pt Molate Beach Park.

2. Review of the IR Site 3 Remediation and Abatement Project Bid Responses

Bill Carson of Terraphase presented. Carson presented a summary of the selected alternates 5b, 6 and 7 to bid and bid components. Carson reviewed actual bid costs for alternates and a recommendation. Carson participated in discussion with PMCAC on alternates.

3. Review Staff Report regarding Contract Award for IR Site 3 Remediation and Abatement to be presented to City Council

94.1

Martinez left meeting at approximately 7:20pm.

Murray reported. Presentation of City Council recommendation to select Pacific States Environmental Contractors, Inc. to perform Alternative 6. Presentation on three levels of review. Discussion on City Process with Contract Compliance. PMCAC discussed history of IR Site 3 FS RAP and necessity to deliver a recommendation to City Council.

Action: Committee approved (M/S Garrett/Hite 5-1-3-0) to develop and deliver a Letter regarding postponing the selection of IR Site 3 Remediation and Abatement Contractor to the City Council.

AYES: Carman, Garret, Gilbert, Hite, and Smith
NOES: Sundance
ABSENT: Kortz, Martinez, Puleo
ABSTAIN: None

8. STAFF REPORTS

A. PROJECT MANAGER'S STAFF REPORT INCLUDING

1. EXPENDITURES AND BALANCE FROM THE NAVY ESCROW FUND
2. EXPENDITURES AND BALANCE FROM THE GENERAL FUND
3. INSURANCE REPORT FILINGS
4. LEASE/OCCUPATION STATUS FOR ALL PT MOLATE USERS
5. MONTHLY SUMMARY OF SECURITY INCIDENTS
6. MONTHLY SUMMARY OF AUTHORIZED ENTRIES
7. CARETAKER SUMMARY
8. BEACH PARK
9. IR SITE 3 REMEDIATION AND ABATEMENT PROJECT BID

Murray reported on project reports found in the Agenda packet.

9. CONSENT CALENDAR

A. APPROVE – PMCAC MEETING MINUTES OF JUNE 16, 2014

Action: Committee approved (M/S Garrett/Smith 6-0-3-0) to adopt the minutes as found in Agenda Items 9a.

AYES: Carman, Garret, Gilbert, Hite, Smith and Sundance
NOES: None
ABSENT: Kortz, Martinez, Puleo
ABSTAIN: None.

10. PMCAC QUARTERLY REPORT TO CITY COUNCIL

A. APPROVE – PMCAC Annual Report to City Council

Garret reported.

9A.2

11. FUTURE AGENDA ITEMS

Carman asked for items. A final reading of the Annual PMCAC Report to City Council will occur.

12. CITY COUNCIL LIAISON REPORTS

A. REPORT BY COUNCILMEMBER/MAYOR McLAUGHLIN REGARDING RECENT ISSUES IN RICHMOND RELEVANT TO THE ADVISORY COMMITTEE

Mayor reported. Mayor advised of an event with National Park Service and Richmond Museum of History on a visit of a 19th Century Chinese Junk boat and Chinese Immigration history at points in SF Bay.

B. PMCAC APPOINTMENT STATUS

NO REPORT.

13. CHAIR AND SUB-COMMITTEE REPORTS

a. Clean-Up and Restoration:

1. ACE filings for April 2013 to present
2. Monthly Report for May 2014

Garrett reported. Carson provided additional information. Mike Leacox of Nichols Consulting Engineers noted a section in ACE Report that influences totals.

b. Community Outreach:

1. Review of previous month's activities and plans for next month
2. Review of schedule for Neighborhood Council presentations

Hite reported on community surveys.

c. Grant Development:

1. Grant Application Status

No report.

d. Pt Molate Beach:

Garrett reported. Request for summary information on balance of Cosco Busan funds.

e. Invasive Species

Smith reported work with David Amme and future efforts to develop a Friends of Pt Molate group.

f. Chair: Identification of pending schedule conflicts

Carman opened to PMCAC.

No conflicts reported.

14. ADJOURNMENT

Garrett moved to adjourn the meeting at 8:52 pm, seconded by Hite. Passed unanimously.

15. Assemblage of PMCAC Standing Sub-Committees

Adjourned to Sub-Committee Meetings.

SCHEDULED MEETINGS

Committee Meeting – .

Monday, July 21, 2014, 6:30 p.m., Multi-Purpose Room, 440 Civic Center Plaza

Minutes respectfully submitted by:

Craig K. Murray, PMCAC Staff Liaison



July 15, 2014

Mr. George Leyva
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

sent via: email

Subject: Monthly Remediation Status Report for Work in June 2014, Former Naval Fuel Depot Point Molate, Richmond, California

Dear Mr. Leyva:

This monthly remediation status report summarizes the remediation activities conducted by Terraphase Engineering Inc. (Terraphase) on behalf of the City of Richmond at the former Naval Fuel Depot Point Molate (the Site). This remediation status report is intended to meet the requirements of Task 9 in the Regional Water Quality Control Board (RWQCB) Order R2-2011-0087 (RWQCB 2011d). The requirements of Task 9 are as follows:

The Discharger shall submit a report to the Regional Water Board, 30 days prior to the start of any onsite remediation activities, and then on a monthly basis beginning 30 days after the start of the remediation activities, outlining the onsite remediation activities accomplished during the past month and those planned for the following month. The first monthly report at the beginning of each quarter shall include monitoring and test results and any conclusions or proposed changes to the remediation process based on those results. If any changes to the remediation are proposed during any monthly report, applicable supporting monitoring or test data will be submitted at that time. The status report shall also verify that the Prohibitions in Section A, stipulated above, have been adhered to. Should any of those prohibitions be trespassed, the report shall propose a recommendation acceptable to the Executive Officer to correct the trespass.

This remediation status report provides a monthly update on the progress of environmental investigations, remediation, maintenance, and monitoring at the Site. This report is organized around each task listed in the RWQCB Order R2-2011-0087 (RWQCB 2011d). Additional tasks related to the Installation Restoration (IR) Site 3 Packaged Groundwater Treatment Plant (PGWTP) and site-wide groundwater monitoring are included below. For major work tasks completed in 2013, please see the monthly status report for December 2013 (Terraphase 2014a). A reference list of reports and submittals is included as an attachment to this letter.

Task 1: Soil Cleanup Goals (Compliance Date: February 13, 2012)

Work completed in June 2014:

1. None

Major Work Items Previously Completed in 2014:

1. Soil cleanup goals are presented in Table 32 of the final Feasibility Study/Remedial Action Plan (FS/RAP) accepted by the RWQCB on June 4th 2014 (Terraphase 2014o)

Upcoming Work in July 2014:

1. None

Task 2: Soil and Groundwater Management Plan (Compliance Date: March 15, 2012)

Complete - *Final Soil and Groundwater Management Plan submitted to the RWQCB September 21, 2012 (Terraphase 2012jj)*

Task 3a: IR Site 3 Feasibility Study and Remedial Action Plan (Compliance Date: May 4, 2012 Revised: February 28, 2014)

Work completed in June 2014:

1. Final FS/RAP posted on Geotracker
2. Response to information requests during bidding process

Major Work Items Previously Completed in 2014:

1. Preparation and submittal of the draft FS/RAP to the RWQCB for comment (Terraphase 2014g)
2. Public Meeting presenting draft final FS/RAP (April 28, 2014)
3. Acceptance of Final FS/RAP by the RWQCB June 4th 2014 (Terraphase 2014o)

Upcoming Work in July 2014:

1. None

Task 3b: IR Site 3 Remedial Action Completion Report (Compliance Date: February 3, 2014 Revised: June 30, 2015)

Not Applicable. This task is dependent upon completion of Task 3a

Task 4a: IR Site 4 Interim Remedial Action Work Plan (Compliance Date: April 3, 2012)

Complete - *IR Site 4 Interim Remedial Action Work Plan submitted to the RWQCB (Terraphase 2011r, 2012gg, 2012ij, and 2012mm)*

Task 4b: IR Site 4 Interim Remedial Action Completion Report (Compliance Date: November 2, 2012)

Work completed in June 2014:

1. Conducted sixth round of post-treatment performance monitoring at IR Site 4.

Major Work Items Previously Completed in 2014:

1. Conducted fifth round of post-treatment performance monitoring at IR Site 4
2. Addressed comments on annual evaluation report for the Enhanced Reduction Dechlorination (ERD) program (Terraphase 2014k).

3. Submittal to RWQCB of annual evaluation report for the ERD program (Terraphase 2014k).

Upcoming Work in July 2014:

1. Data evaluation of post-treatment performance monitoring for data collected June 2014.

Task 4c: IR Site 4 Human Health Risk Assessment (Compliance Date: November 4, 2013)

Not Applicable. Initiation of this task is dependent upon the completion of Task 4b. Currently seeking revised completion date from the RWQCB.

Task 4d: IR Site 4 Feasibility Study and Remedial Action Plan (Compliance Date: February 3, 2014)

Not Applicable. This task may not be necessary dependent upon the outcome of Task 4c. A revised completion date will be requested from the RWQCB.

Task 4e: IR Site 4 Remedial Action Completion Report (Compliance Date: February 3, 2015)

Not Applicable. This task may not be necessary dependent upon the outcome of Task 4c. A revised completion date will be requested from the RWQCB.

Task 5: UST Management Plan (Compliance Date: March 4, 2013)

Work completed in June 2014:

1. Preparation of tank closure requests to the RWQCB for USTs 2, 15, 18, and 19

Major Work Items Previously Completed in 2014:

1. Response to RWQCB comments on draft UST Management Plan (Terraphase 2013j)

Upcoming Work in July 2014:

1. Preparation and submittal of tank closure requests to the RWQCB for USTs 2, 15, 18, and 19

Task 6: UST Removal Plan (Compliance Date: 90 days prior to UST demolition)

Not Applicable – Triggered when demolition of a UST is contemplated. No UST demolition is scheduled at this time

Task 7: UST Status Report (Compliance Date: June 3, 2012)

Work completed in June 2014:

1. Conducted the routine monthly UST closure monitoring inspections

Major Work Items Previously Completed in 2014:

1. Preparation and submittal of the combined 2013 fourth quarter/annual UST monitoring report (Terraphase 2014c)
2. Submittal of first quarter 2014 UST monitoring report (Terraphase 2014l)

Upcoming Work in July 2014:

1. Conduct routine monthly UST closure monitoring inspections
2. Preparation of second quarter 2014 UST monitoring report.

Task 8: Amended Land Use Controls (Compliance Date: When environmental closure is requested)

Not Applicable. No closures have been requested

Task 9: Remediation Status Reports (Compliance Date: Monthly)

Work completed in June 2014:

1. Submitted the monthly remediation status report for May 2014 to the RWQCB (Terraphase 2014p)

Major Work Items Previously Completed in 2014:

1. Submitted the monthly remediation status report for December 2013 to the RWQCB (Terraphase 2014a)
2. Submitted the monthly remediation status report for January 2014 to the RWQCB (Terraphase 2014f)
3. Submitted the monthly remediation status report for February 2014 to the RWQCB (Terraphase 2014i)
4. Submitted the monthly remediation status report for March 2014 to the RWQCB (Terraphase 2014j)
5. Submitted the monthly remediation status report for April 2014 to the RWQCB (Terraphase 2014n)
Submitted the insurance budget summary and project status update for January through April 2014 to the City of Richmond and the ACE Group

Upcoming Work in July 2014:

1. Submit the monthly remediation status report for June 2014 to the RWQCB
2. Submit the insurance budget summary and project status update for April through June 2014 to the City of Richmond and the ACE Group

Task 10: Discoveries During Facility Redevelopment (Compliance Date: 60 days from initial discovery)

None

Task 11: IR Site 1 ROD (Compliance Date: None)

Work completed in June 2014:

1. Routine monthly landfill inspection of signs, gates, locks, etc.
2. Routine operation, maintenance, and monitoring of the landfill treatment system
3. Quarterly landfill inspection with Contra Costa County Environmental Health

Major Work Items Previously Completed in 2014:

1. Preparation and submittal of the combined fourth quarter and annual 2013 monitoring report to the RWQCB (Terraphase 2014d)

Upcoming Work in July 2014:

1. Routine monthly landfill inspection of signs, gates, locks, etc.
2. Routine operation, maintenance, and monitoring of the landfill treatment system

Task 12: Construction Stormwater General Permit (Compliance Date: Prior to field work)

A SWPPP is being prepared to cover the remediation construction work at IR Site 3 and an NOI will be posted in SMARTS prior to commencement of construction.

IR Site 3: PGWTP

Terraphase, under the direction of the City of Richmond, operates, maintains, monitors, and prepares the quarterly and annual monitoring reports for the PGWTP under the existing General Waste Discharge Requirements for: Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other Related Wastes (VOC and Fuel General Permit) (RWQCB 2012a). The following summarizes the activities related to the continued operation, maintenance, and monitoring of the PGWTP.

Work completed in June 2014:

1. Routine operation, maintenance, and monitoring of the PGWTP

Major work items completed previously in 2014:

1. Preparation and submittal of combined fourth quarter and annual 2013 self-monitoring report (Terraphase 2014e)
2. Preparation and submittal of first quarter 2014 self-monitoring report (Terraphase 2014m)

Upcoming Work in July 2014:

1. Routine operation, maintenance, and monitoring of the PGWTP
2. Preparation of second quarter 2014 self-monitoring report

Site-wide Groundwater Monitoring

The purpose of the site-wide groundwater monitoring is to provide groundwater quality data that can be evaluated against established screening criteria for the Site. This program will help protect human health and the environment and prevent releases to the San Francisco Bay. Integrating data collected under this program with previous data is intended to support compliance and closure in accordance with regulatory requirements. Groundwater monitoring is being conducted on a semi-annual basis (wet-season and dry-season) per the Site-Wide Groundwater Monitoring Plan (Terraphase 2011n) that was approved by the RWQCB on August 30, 2011 (RWQCB 2011b). Data collected is summarized and submitted as semi-annual monitoring reports to the RWQCB.

Work completed in June 2014:

1. Data validation and evaluation of data from wet-season 2014 annual groundwater monitoring
2. Preparation of the draft 2014 Wet-Season Semi-Annual Groundwater Monitoring Report

Major work items completed previously in 2014:

1. Submittal of the 2013 Dry-Season Annual Groundwater Monitoring Report to the RWQCB (Terraphase 2014b)
2. Wet-season 2014 annual groundwater monitoring

Upcoming Work in July 2014:

1. Preparation of the draft 2014 Wet-Season Semi-Annual Groundwater Monitoring Report

Prohibitions Verification

As required in Task 9 of the RWQCB Order, the following prohibitions (Section A of the RWQCB Order) were adhered to during the remedial activities in June 2014, to the knowledge of Terraphase.

1. The discharge of wastes and/or non-hazardous or hazardous substances in a manner which will degrade, or threaten to degrade, water quality or adversely affect, or threaten to adversely affect, the beneficial uses of the waters of the State is prohibited.
2. Further migration of wastes or hazardous substances through subsurface transport to waters of the State is prohibited.
3. Activities associated with the subsurface investigation and cleanup that will cause adverse migration of wastes or hazardous substances are prohibited.
4. The tidal marsh habitat and wetland habitats onsite shall be completely avoided unless encroachment on these areas is required to implement Facility remediation work and resultant impacts to the affected habitat are mitigated through a plan approved by the Executive Officer. A setback of 50 feet shall be established around the tidal marsh and any wetland area as a means of preventing any unintended impacts to it from the remediation.
5. The Site's offshore eel-grass habitat shall be completely avoided during any remedial work to the maximum extent practicable.

Summary

The above detailed summaries by task provide a look at the ongoing remediation activities at the former Naval Fuel Depot Point Molate. The RWQCB's and public's comments have been incorporated into the FS/RAP. The RWQCB accepted the Final FS/RAP on June 4, 2014. The bidding period for the remedial action is currently underway with construction expected to begin in August 2014.

If you have questions regarding this report, please call Tomer Schetrit at (510) 645-1850.

Sincerely,
For Terraphase Engineering Inc.



Tomer Schetrit, PE (C81411)
Project Engineer

cc: Craig Murray, City of Richmond
Carlos Privat, City of Richmond
Bruce Goodmiller, City of Richmond
LaShonda White, City of Richmond
Michael Leacox, NCE
James Whitcomb, BRAC Program Management Office
Venkat Puranapanda, ACE Group
Eileen Whittey, PMCAC
Paul Carman, PMCAC
Joan Garrett, PMCAC

Attachments: Point Molate Bibliography



August 14, 2014

Mr. George Leyva
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: Second Quarter 2014 Underground Storage Tank (UST) Monitoring Report, Former Naval Fuel Depot Point Molate, Richmond, California

Dear Mr. Leyva,

On behalf of the City of Richmond, Terraphase Engineering Inc. (Terraphase) has prepared the attached Second Quarter 2014 Underground Storage Tank (UST) Monitoring Report. This report describes the activities and status for the ongoing monitoring and maintenance program for USTs 1 through 20 at the former Naval Fuel Depot Point Molate located in Richmond, California. The inspections were conducted in accordance with the Final Post-Closure UST Maintenance and Monitoring Plan (PMMP) (ITSI 2005).

If you have any question or comments regarding this report, please contact Tomer Schetrit at (510) 645-1850.

Sincerely,
For Terraphase Engineering Inc.

A handwritten signature in blue ink, appearing to read 'T-S'.

Tomer Schetrit, P.E. (C81411)
Project Engineer

A handwritten signature in blue ink, appearing to read 'Chris Jones'.

Chris Jones
Staff Engineer

cc: Carlos Privat, City of Richmond
Craig Murray, City of Richmond
Jim Whitcomb, BRAC Program Management Office
Michael Leacox, NCE
Eileen Whittey, PMCAC
Paul Carman, PMCAC
Joan Garrett, PMCAC
Lori Braunesreither, Contra Costa County Environmental Health Services

Attachments: 2nd Quarter 2014 Underground Storage Tank (UST) Monitoring Report

**2nd Quarter 2014 MONITORING REPORT
UNDERGROUND STORAGE TANKS
FORMER NAVAL FUEL DEPOT POINT MOLATE,
RICHMOND, CALIFORNIA**

Prepared on Behalf of

City of Richmond
450 Civic Center Plaza
Richmond, California

Prepared by

Terraphase Engineering Inc.
1404 Franklin Street, Suite 600
Oakland, California

August 14, 2014

Project Number 0078.001.014



13A2.3

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- 2 UST Locations
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- A Summary Tables of Quarterly Inspection

Acronyms and Abbreviations

bbbl	barrel
BAI	Barajas and Associates, Inc.
BRAC	Base Realignment and Closure
CCHSD	Contra Costa Health Services Department
FOSET	Finding of Suitability for Early Transfer
ITSI	Innovative Technical Solutions, Inc.
JP-5	jet propellant grade 5 fuel
MSL	mean sea level
NFD	Naval Fuel Depot
ORS	oil recovery system
PMMP	Post-Closure UST Maintenance and Monitoring Plan
RWQCB	California Regional Water Quality Control Board, San Francisco Bay Region
Terraphase	Terraphase Engineering Inc.
TtEMI	Tetra Tech EM Inc.
UST	underground storage tank
VP	valve pit

1.0 INTRODUCTION

On behalf of the City of Richmond Terraphase Engineering Inc. (Terraphase) has prepared this Underground Storage Tank (UST) Quarterly Monitoring Report to summarize the monitoring conducted on a monthly and quarterly basis as part of the ongoing monitoring and maintenance of USTs 1 through 20 at the former Naval Fuel Depot (NFD) Point Molate in Richmond, California. The inspections were conducted in accordance with the final Post-Closure UST Maintenance and Monitoring Plan (PMMP) (ITSI 2005).

2.0 HISTORY OF UST OPERATIONS AT NFD POINT MOLATE

The former NFD Point Molate was a fuel storage facility that had the capacity to store more than 40 million gallons of fuel. Prior to closure, the facility mainly held jet propellant grade 5 fuel (JP-5) and marine diesel fuel. Historically, other fuels were stored at the depot, including bunker fuel and aviation gasoline. Fuel was transferred to and from the facility by offloading and onloading ships and barges at the depot fuel pier, as well as through the Santa Fe Pacific Pipeline transfer station.

The former NFD Point Molate is on the San Pablo peninsula (Figure 1), approximately 1.5 miles north of the Richmond-San Rafael Bridge in the City of Richmond, Contra Costa County, California. Former NFD Point Molate covers approximately 412 acres in the Potrero Hills along the northeastern shore of San Francisco Bay of which 140 acres are submerged within San Francisco Bay. The San Pablo peninsula is the land mass between San Pablo Bay and San Francisco Bay. Former NFD Point Molate contains approximately 1.6 miles of shoreline, and its property extends into the adjacent hillsides to the top of the San Pablo ridge. Topography at the facility ranges from flat, filled areas (reclaimed tidal areas) near the Bay to steep, dissected slopes of nearly 500 feet above mean sea level (MSL) in elevation. The facility is bordered to the north, south, and east by the Chevron Corp. Richmond refinery (Chevron Richmond refinery) and to the west by San Francisco Bay.

Fuel storage and transfer operations at the facility ceased in May 1995. Former NFD Point Molate became a closing base under the Base Realignment and Closure (BRAC) IV program in September 1995, and operational closure of the facility occurred in September 1998. In September 2003, approximately 372 acres of the depot were transferred to the City of Richmond under a Finding of Suitability to Transfer (Navy 2003). The remaining 40 acres of the 412-acre federal facility were transferred to the City on March 29, 2010 on the basis of a Finding of Suitability for Early Transfer (FOSET; Navy 2008).

The Navy closed in place (without filling with concrete or other material) USTs 1 through 20, due to the large size and the good condition of the USTs. Tanks B and C were removed due to their relatively smaller size, central location, and history of bunker fuel releases near Tank B. The *Underground Storage Tank and Hillside Pipeline Closure Conceptual Design* (TtEMI, 1999), was reviewed by the Hazardous Materials Programs office at the Contra Costa Health Services Department (CCHSD), the City of Richmond, and the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB). CCHSD, the agency overseeing structural closure of the USTs, officially approved the conceptual plan in a letter dated 23 July 1999.

CCHSD approved final closure in place of USTs 1 through 20 in a letter dated 24 February 2005; CCHSD also recognized that associated fuel product pipelines and valves were cleaned and rendered inoperable, and that Tanks B and C were completely removed. To date, USTs 1, 4, 7, 9, 10, 11, 12, 14, 16, 17 and 20 have received environmental closure (NFA) letters from the RWQCB. The remaining USTs (USTs 2, 3, 5, 6, 8, 13, 15, 18, and 19) have not received

environmental closure from the RWQCB. Regardless of the closure status of the USTs with the RWQCB, they require on-going maintenance and monitoring to reduce the chances that they will become a physical hazard. This report describes the monitoring and maintenance for USTs 1 through 20.

USTs 1 through 20 each have a capacity of approximately 50,000 barrels (bbls), which is equivalent to 2.1 million gallons. Figure 2 is a site plan showing the locations of the USTs and appurtenances at the former NFD Point Molate.

Between 1943 and 1975, bunker fuel, marine diesel fuel, and JP-5 were stored at the former NFD Point Molate. Between 1975 and 1995, the northern portion of the facility (USTs 1, 2 and 5 through 13) was used to store and transfer diesel fuel. The southern portion of the facility (USTs 3, 4 and 14 through 19) was used to store and transfer JP-5. UST 20 stored bunker fuel from 1943 to 1975, and stored naval ballast, sediment and wastewater from 1975 to 1995.

USTs 1 through 20 were constructed between 1942 and 1943 by blasting bedrock in the hillside to create "benches" for the USTs. Concrete was poured into wooden forms built on the benches, apparently in direct contact with bedrock. The UST floors, walls, and roof support columns were constructed; the concrete roofs were then installed. Completed USTs were covered with varying amounts of fill (four to eight feet); fill materials were presumably blasted rock and locally-derived excavated fill. Appendix A includes a more detailed description of UST construction, as excerpted from the *Final Report, Structural Integrity Evaluation of Underground Storage Tanks at Naval Fuel Depot, Point Molate, Richmond, California* (AGS, 2000).

Approximate dimensions of USTs 1-20 are as follows:

- Each tank has an interior clear diameter of 135'-4".
- Each tank has an interior clear height of 20'-0".
- Each tank has roof and floor slabs 1'-4" and 1'-6" thick, respectively.
- Tank walls are 1'-6" thick up to 10'-0" in height and 1'-3" thick above that.

Each UST was constructed with a perimeter drain surrounding the tank bottom. Original design drawings indicate that each drain consisted of open joint tiles placed in a gravel bed. Each drain was laid on a slope to fall approximately 12 inches from the upper (uphill side) UST perimeter to the lower (downhill side) perimeter. Water collected by these drains was to the oil recovery system (ORS; TtEMI, 2002). The purpose of the perimeter drains was to prevent infiltrating surface water from accumulating in the backfill outside of the UST walls. Figure 3 is a typical cross section of a UST at former NFD Point Molate.

3.0 SITE INSPECTIONS

The PMMP requires:

- Monthly inspections of the gates, locks, and fences.
- Quarterly inspections of the vegetation for erosion control; surface grade for erosion control; UST systems (ground surface, French drain outfalls, and tank vents); and groundwater monitoring wells.
- Biannual (Two-year) inspections of the UST interiors for standing water.
- Five-year structural inspections, structural inspections after significant loading events, and structural inspections after major seismic events.

The purpose of the site inspections is to conduct the inspection tasks established in the Final PMMP (ITSI 2005), including: security, erosion control, condition of the UST systems, and condition of the groundwater monitoring wells to identify conditions that may warrant maintenance or repair. This section provides an overview of observations made during the inspections. Recommendations for repairs that could not be completed during the site inspection are provided in Section 5. Individual UST sites are referred to by tank number (e.g., UST 6).

The location of tanks, monitoring wells, and French drains are shown on Figure 2. Summary table of the inspection field notes are provided in Appendix A.

3.1 Monthly Inspection of Gates, Locks, and Fences

The gates, locks, and fences along Western Drive that provide security for the UST sites are inspected to make sure they are in good condition, locked, and secure.

Observations during the monthly inspections of the gates, locks, and fences performed on April 28, May 23, and June 26, 2014:

- The gates, locks, and fences for gates 15 through 19 are in good condition, locked, and secure.
- Gate 23 is under constant surveillance as it is located next to the guard house (Building 123).
- An additional lock was added to Gate 17 in March 2014.

3.2 Quarterly Inspection of Erosion Control

3.2.1 Vegetation

Vegetation protects the soil surface from wind and water erosion, improves slope stability, and improves visual aesthetics. A site-specific hydroseed mix that includes drought-tolerant native plant seeds has been used for providing a vegetative cover at the UST sites.

Vegetation on UST sites are inspected for bare spots, signs of stress, color changes, etc. and areas of both healthy and sickly growth are noted on a quarterly basis.

Observations during the quarterly inspection performed on June 26, 2014:

- Small, bare and/or brown patches of vegetation were present at USTs 1 through 20. Brown patches are most likely due to lack of rain during the 1st and 2nd quarters of 2014.

3.2.2 Surface Grade

Uniformity of the slight grade on top of the USTs mitigates erosion and reduces surface water infiltration.

The soil cover is inspected for erosion, visible depressions, ponded water, cracks, slope failure, and grade on top of the USTs to see if there was a uniformity of the slight (0.5 percent to 1 percent) grade on a quarterly basis.

Observations during the quarterly inspection performed on June 26, 2014:

- No indication of erosion, ponded water, depressions, or slope failure was found at USTs 1 through 20.

3.3 Quarterly Inspection of UST Systems

3.3.1 Ground Surface

The structural integrity of the USTs can be compromised by surface loads. Loading by structures, vehicles, and debris is prohibited. Overloading is a serious condition that could lead to catastrophic failure and must be addressed by a licensed structural engineer.

Ground surfaces of the USTs are inspected for surface loads including structures, signs of vehicle traffic, and dumping of debris on a quarterly basis.

Observations during the quarterly inspection performed on June 26, 2014:

- Indications of light vehicle traffic such as tire tracks are present at USTs 1 through 20. The tire tracks are likely from lawn mowers.

3.3.2 Tank Vents

The aboveground vent at each UST provides equilibrium of the UST atmosphere with the outside atmosphere and allows for humidity to escape the UST interior.

The vents are inspected for signs of vandalism and to assure that the vent opening was intact on a quarterly basis.

Observations during the quarterly inspection performed on June 26, 2014:

- The vents do not show any indication of vandalism and the vent openings were intact and unobstructed at USTs 1 through 20.

3.3.3 French Drain Outfalls

French drains at each UST are intended to direct surface water infiltration away from the structural joint between the tank ceiling and upper sidewalls. Rip-rap is located at each outfall to reduce erosion. French drain outfalls are inspected for vandalism or displacement on a quarterly basis.

The quarterly observations for the French drain outfalls can be found in the Appendix A, which is attached to this report. The West drain at UST 6, South drain at UST 15, and East drain at Tank 16 could not be located. It is suspected that they were previously destroyed or were never constructed by the Navy.

3.4 Quarterly Inspection of Groundwater Monitoring Wells

There are groundwater monitoring wells adjacent to many of the USTs. The well casings are typically completed aboveground and protected with a standpipe. The wells are locked with keyed padlocks.

The surface completions of the monitoring wells are inspected for general condition on a quarterly basis. The standpipe covers are opened, well casings and well caps are inspected, and grout surrounding the each casing is inspected.

The quarterly observations for the groundwater monitoring wells can be found in the Appendix A, which is attached to this report.

4.0 RECOMMENDATIONS

Recommendations for repairs that could not be completed during the site inspection are provided below.

4.1 Gates, Locks, and Fences

If locks are rusted or are missing, or if gates or fences are in disrepair, the City of Richmond must be notified that repairs should be made.

Recommended actions:

None

4.2 Erosion Control

4.2.1 Vegetation

If significant bare spots are found, the bare spots must be reseeded or planted in accordance with the specification for hydroseeding. Irrigation during the establishment period must be provided, as necessary.

Recommended actions:

Bare and/or brown vegetation is present at USTs 1 through 20, but the bare and/or brown patches of vegetation are not significant enough to require reseeding or planting. This will be monitored for future degradation.

4.2.2 Surface Grade

Erosion must be mitigated. Visible depressions and cracks must be backfilled. Slope failures must be mitigated by backfilling and placing rip-rap or other erosion-limiting engineered control.

Recommended actions:

None

4.3 UST Systems

4.3.1 Ground Surface

Any objects, debris, or material that represents a load to the USTs must be removed. If a UST has been significantly overloaded, a structural inspection must be conducted.

Recommended actions:

None

4.3.2 Tank Vents

Vents must be repaired as required. Any object in the vent opening must be removed.

Recommended actions:

None

4.3.3 French Drain Outfalls

Blockages of the drain pipe must be removed. Riprap must be replaced in kind. Small vegetation growing into the rip-rap is beneficial and should not be removed.

Recommended actions:

Landscaping debris should be cleared from around the North Drain at UST 11.

4.4 Groundwater Monitoring Wells

If standing water is present in the well standpipes, it must be removed from the standpipe and the condition allowing water to accumulate should be mitigated. If casing caps are missing, they should be replaced. If grout is cracked, it should be removed and replaced.

Recommended actions:

None

5.0 REFERENCES

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- CDM. 2009. Final Annual 2007 – 2008 Post-Closure UST Monitoring Report Former Naval Fuel Depot Point Molate Richmond, California. September 30.
- Innovative Technical Solutions, Inc. (ITSI). 2005. Final Post-Closure UST Maintenance and Monitoring Plan, Former Naval Fuel Depot Point Molate, Richmond, California. December.
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- (United States) Department of the Navy and City of Richmond. 2003. Finding of Suitability for Transfer, Naval Fuel Depot Point Molate, Richmond, California. May 27.
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- Terraphase. 2011. Underground Storage Tank Monitoring and Maintenance Plan, Former Naval Fuel Depot Point Molate, Richmond, California. March 11 (revised April 4).
- Terraphase. 2012. Well Abandonment Work Plan, Former Naval Fuel Depot Point Molate, Richmond, California. August 8.
- Tetra Tech EM Inc. (TtEMI), 1999. Underground Storage Tank and Hillside Pipeline Closure Conceptual Design, Naval Fuel Depot Point Molate, Richmond, California. 30 April.
- _____. 2002. Final Definitive Design for the UST and Hillside Pipeline Closure, Naval Fuel Depot Point Molate, Richmond, California. 24 January.



August 14, 2014

Ms. Lourdes Gonzales
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Attn: NPDES Wastewater Division
Fuel General NPDES No. CAG912002

Subject: Second Quarter 2014 Self-Monitoring Report for the Packaged Groundwater Treatment Plant,
Former Naval Fuel Depot Point Molate, Richmond, California (Orders No. R2-2006-0075,
R2-2012-0012, NPDES Permit No. CAG912002)

Dear Ms. Gonzales:

The City of Richmond (the "City") and Upstream Point Molate LLC ("Upstream") entered into the Point Molate Remediation Agreement in 2008 (the "Remediation Agreement"). Upstream has assumed responsibility for certain remediation-related work at Point Molate, including the preparation of this report, pursuant to the Remediation Agreement. Upstream has retained qualified professionals to assist in carrying out the subject work, including Terraphase Engineering Inc. ("Terraphase"). In addition, the City has retained Nichols Consulting Engineers ("Nichols") to represent and advise regarding remediation-related matters at Point Molate, including this report. Based upon their qualifications and experience, the City has reasonably relied on Upstream, Terraphase and Nichols to prepare the report and other attached documents and to advise the City regarding its preparation and contents. Based upon the foregoing, the City makes the following certification:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A handwritten signature in blue ink, appearing to be "Craig K. Murray".

Craig K. Murray
Development Project Manager II

450 Civic Center Plaza, 2nd floor Richmond, CA 94804-1630

Telephone: (510) 307-8140 Fax: (510) 307-8116 www.ci.richmond.ca.us

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August 14, 2014

Ms. Lourdes Gonzales
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Attn: NPDES Wastewater Division
Fuel General NPDES No. CAG912002

Subject: Second Quarter 2014 Self-Monitoring Report for the Packaged Groundwater Treatment Plant, Former Naval Fuel Depot Point Molate, Western Drive, Richmond, California (CIWQS 657165) Order No. R2-2012-0012, NPDES No. CAG912002

Dear Ms. Gonzales:

On behalf of the City of Richmond, Terraphase Engineering Inc. (Terraphase) has prepared this National Pollutant Discharge Elimination System (NPDES) Second Quarter 2014 Self-Monitoring Report for the Packaged Groundwater Treatment Plant (PGWTP) located at the Former Naval Fuel Depot Point Molate in Richmond, California ("the Site"). This letter report was prepared in accordance with the RWQCB Order No. R2-2012-0012, NPDES Permit No. CAG912002 (adopted March 15, 2012), titled "GENERAL WASTE DISCHARGE REQUIREMENTS FOR: Discharge or Reuse of Extracted and Treated Groundwater Resulting from the Cleanup of Groundwater Polluted by Volatile Organic Compounds (VOC), Fuel Leaks and Other Related Wastes (VOC and Fuel General Permit)".

This report presents the data collected during the second quarter of 2014 ("the reporting period") in accordance with reporting requirements specified in Attachment E of the VOC and Fuel General Permit. This report presents flow rates, field water-quality measurements, and laboratory analytical results of the PGWTP influent and effluent for total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene, and total xylenes (BTEX) compounds; and polycyclic aromatic hydrocarbon (PAH).

PGWTP Description

The PGWTP treats groundwater extracted from four screened wells set into a trench that extends below the water table and has been backfilled with gravel to minimize the resistance to groundwater flow into the wells. The groundwater is pumped from the extraction wells using submersible well pumps and conveyed directly to a two-pod sand filter. Following the sand filter, water then flows through four GAC units (2,000 pounds each) plumbed in series to further reduce the concentrations of the chemicals of concern in the PGWTP's effluent discharge. Treated groundwater is discharged directly to San Francisco Bay under the requirements of the NPDES Permit.

PGWTP 2014 Second Quarter Operations

The PGWTP operated continuously from April 1, through June 30, 2014. No bypasses or upsets occurred during the reporting period, and the PGWTP was not shutdown. The PGWTP was operated and maintained in accordance with the Operation and Maintenance (O&M) Manual, prepared by Terraphase, dated July 25, 2011. A copy of this O&M Manual is located at the PGWTP.

During the second quarter of 2014, the PGWTP treated approximately 1,307,000 gallons of groundwater with an average flow rate of approximately 10.0 gallons per minute (Table 1).

During the second quarter of 2014, approximately 1.6 kilograms of TPH were removed by the PGWTP (Table 2).

Summary of NPDES Sampling Results

Influent and effluent water samples from the PGWTP were collected and analyzed during the reporting period in accordance with the 2012 Order. Tables 3A, 3B, and 3C summarize the analytical data for influent samples collected from the PGWTP. Tables 4A, 4B, and 4C summarize data for the same analytes in effluent samples collected from the PGWTP during the reporting period. The following sections of this report summarize the sampling results.

TPH Analytical Results

Influent and effluent sampling for TPH as gasoline (TPHg), TPH as diesel (TPHd), and TPH as bunker fuel C (TPHbc) was performed on April 28, May 23, and June 26, 2014. The analytical results for these compounds are presented in Table 3A for influent samples and in Table 4A for effluent samples.

The concentrations of TPHg and TPHd in effluent samples were below their respective effluent limitations during the reporting period. The concentrations of TPHbc in effluent samples were below the analytical laboratory's reporting limit of 100 µg/L during the reporting period.

Historically, the influent and effluent samples at the PGWTP have contained concentrations of compounds that interfere with the analytical laboratory's performance of TPH analysis when using United States Environmental Protection Agency (EPA) Method 8015B. Interference of this type is typically caused by a biogenic source, usually carboxylic acids that have elution times similar to the range of TPHd and TPHbc compounds. When present in samples, these organic acids are interpreted by laboratory analytical equipment to be TPH. The interference in site samples has led to false elevated analytical results for TPH. Subjecting the sample to a process referred to as a "silica gel cleanup" effectively removes the interfering compounds from a sample and allows the laboratory to separate out and quantify the true concentration of petroleum-related TPH compounds. Silica gel cleanups were performed on the TPHd and TPHbc samples collected from the PGWTP.

BTEX Analytical Results

Influent and effluent sampling for BTEX compounds was performed on April 28, May 23, and June 26, 2014. BTEX analytical results are presented in Table 3A for influent samples and in Table 4A for effluent samples.

The concentrations of BTEX compounds in the effluent samples were below analytical laboratory's reporting limit of 0.5 µg/L during the reporting period.

PAH Analytical Results

Influent and effluent sampling for PAH compounds was performed on April 28, May 23, and June 26, 2014. PAH analytical results are presented in Table 3B for influent samples and in Table 4B for effluent samples.

The concentrations of PAH compounds in the effluent samples were not detected above the analytical laboratory's reporting limit of 0.1 µg/L, which is the lowest reporting limit that the analytical laboratory can reach.

1,4-Dioxane Analytical Results

Influent and effluent sampling for 1,4-Dioxane was performed on June 26, 2014 per the semiannual sampling requirements. 1,4-Dioxane analytical results are presented in Table 3C for influent samples and in Table 4C for effluent samples.

1,4-Dioxane was not detected in the effluent sample above the analytical laboratory's reporting limit of 0.94 µg/L, which is the lowest reporting limit that the analytical laboratory can reach.

Visual Observations

Visual observations regarding floating materials, discoloration, turbidity, odor, evidence of beneficial use, hydrographic condition, and weather condition for the receiving water; and odor, weather condition, deposits, discoloration, clogging, and valve exercise regarding the PGWTP were recorded during the monthly sampling events. The visual observation forms for the reporting period are provided as Attachment A.

Quality Assurance/Quality Control (QA/QC)

Standard QA/QC measures were implemented during the sample collection, transportation, and chemical analysis process. The primary objective of these QA/QC measures is to ensure that resulting analytical data are reproducible, are of adequate quality for their intended use, and are representative of actual conditions.

- April Method Blank Detection:
 - TPHg was detected in the method blank associated with the samples collected on April 28, 2014. The concentration was 17 J µg/L.

- May Trip Blank Detection:
 - TPHg was detected in the trip blank that accompanied the samples collected on May 23, 2014. The concentration was 15 J µg/L.

Estimated concentrations: Analytes that were present in samples above the laboratory method detection limit (MDL) but below the laboratory reporting limit (RL) are qualified with a "J" flag to indicate that the concentration is an estimated value.

No further qualification has been applied to the analytical results presented in this report because the concentrations of the analytes in the method and trip blank samples are below the analytical laboratory's reporting limit and the concentrations of the analytes in the effluent samples are below the Effluent Limitations.

Compliance Evaluation Summary

During the second quarter 2014 reporting period, the PGWTP complied with the applicable sampling requirements.

If you have questions regarding this report, please call Tomer Schetrit at (510) 645-1850.

Sincerely,
For Terraphase Engineering Inc.



Tomer Schetrit P.E. (C81411)
Project Engineer



Chris Jones
Staff II Engineer

cc: Carlos Privat, City of Richmond
Craig Murray, City of Richmond
Venkat Puranapanda, ACE Group
Jim Whitcomb, United States Navy BRAC
Michael Leacox, NCE
George Levya, California RWQCB
Joan Garrett, PMCAC
Bruce Bayaert, PMCAC

Tables:

- 1 PGWTP Summary of Flow Data
- 2 PGWTP Summary of Total Petroleum Hydrocarbon Mass Removal Data
- 3A PGWTP Summary of Influent BTEX and Total Petroleum Hydrocarbons Sample Results
- 3B PGWTP Summary of Influent PAH Sample Results
- 3C PGWTP Summary of Influent 1,4-Dioxane Sample Results
- 4A PGWTP Summary of Effluent BTEX and Total Petroleum Hydrocarbons Sample Results
- 4B PGWTP Summary of Effluent PAH Sample Results
- 4C PGWTP Summary of Effluent 1,4-Dioxane Sample Results

Attachments:

Attachment A Visual Observation Forms