

Final

May 12, 2011

**Review of Leaking Underground Storage
Tank Cases Not in Cleanup Fund and Open
Over 15 Years**

**San Mateo County Local Oversight Program
Agency**

**Prepared as in-kind task as part of Cooperative Agreement LS-
96934701-1 between U.S. EPA Region 9 and the California State
Water Resources Control Board**

Table of Contents

Section	Page
Executive Summary.....	1
Apparent Case Status: Initial and After.....	3
Aging Non-CUF Case Review Summary Table.....	4
Attachment 1: Case Review Power Point Slides from Draft Report.....	8
1. T0608100323 (MCDONALD’S RESTAURANT)	
2. T0604500033 (DUPONT)	
3. T0604500049 (NATIONWIDE PAPERS)	
4. T0601500044 (GOODYEAR TIRE)	
5. T0604900002 (REDWOOD CITY ELECTRIC)	
6. T0608100416 (RAKER ROOFING)	
7. T0608100424 (REPETTO NURSERY)	
8. T0608135637 (MOHAWK PETROLEUM STATION 307542 (FORMER))	
9. T0608100100 (UNOCAL #5529 (FORMER))	
10. T0608100501 (SKYLINE COLLEGE)	
11. T0608100811 (PACIFICA FIRE STATION #2)	
12. T0608100452 (SEARS AUTOMOTIVE CENTER)	
13. T0608100171 (COYNE CYLINDER CO)	
14. T0608100601 (VALLEMAR BEACON)	
15. T0608100912 (TOSCO #3816 (FORMER UNOCAL))	
16. T0608100410 (ARCO #0249)	
17. T0608100219 (FIRE STATION #94)	
18. T0608100509 (SOUTHERN PACIFIC)	
19. T0608100205 (EXXON 7-4135 SM)	
20. T0608100360 (OAK KNOLL STATION)	
21. T0608100181 (DALY CITY WASTEWATER PLANT)	
22. T0608100102 (CANADA COLLEGE)	
23. T0608100381 (PACIFIC INSULATION)	
24. T0608100574 (SKYLONDA CORNERS)	
25. T0608100558 (UNION CARBIDE CORP.)	
26. T0608100618 (WHEREHOUSE ENTERTAINMENT)	
27. T0608101010 (NORCAL-SUNSET SCAVENGER)	
28. T0608100685 (CALTRANS MAINTENANCE FACILITY)	

Executive Summary

The Draft version of this report was submitted on June 25, 2010, with a request for a follow-up meeting and input from San Mateo County LOP into the “Next Steps for Agency” column of the case cleanup status spreadsheet.

San Mateo County LOP met with USEPA Region 9 and Sullivan International Group, Inc. in a face-to-face meeting on January 27, 2011 to discuss the draft report and their next steps for each case. The agency acknowledged several challenges with these cases. A few of the challenges mentioned by the caseworkers at San Mateo County LOP are: uncooperative responsible parties (RPs) such as Caltrans and insufficient personnel resources so they must prioritize cases and cannot spend enough time on some cases. The agency has made great progress with dealing with these cases and have closed three cases since the Draft report: Redwood City Electric (T0604900002), Mohawk Petroleum Station 307542 (Former)(T0608135637), and Skyline College (T0608100501). Additionally the following six cases are only awaiting well destruction before closure: Dupont (T0604500033), Raker Roofing (T0608100416), Repetto Nursery (T0608100424), Coyne Cylinder (T0608100171), Pacifica Fire Station #2 (T0608100811), and Skylonda Corners (T0608100574).

San Mateo County LOP

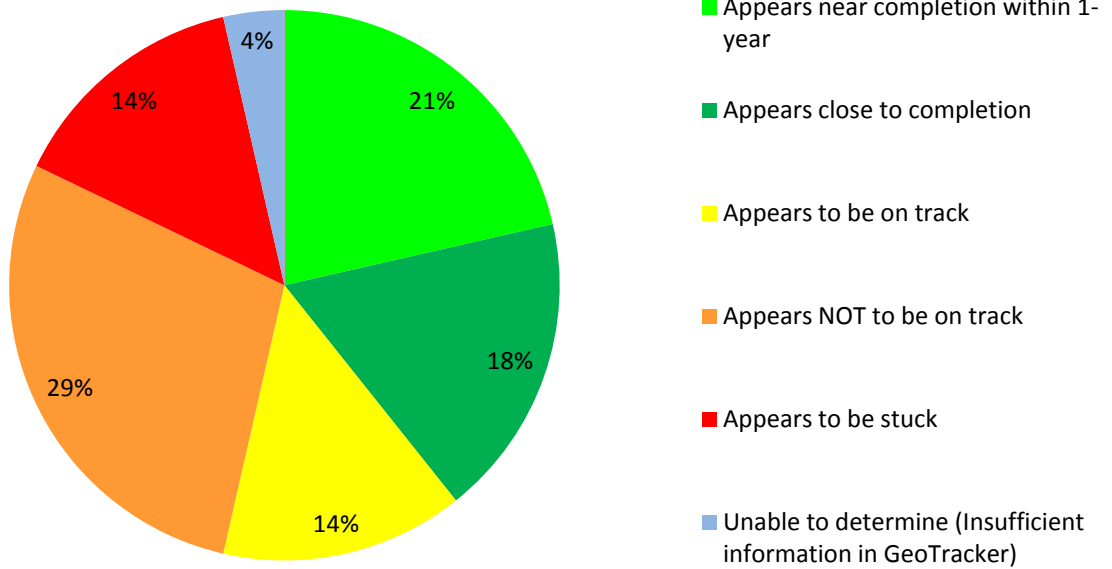
Apparent Case Status: Initial and After

TOTAL NUMBER OF CASES REVIEWED = 28
 DRAFT REVIEW REPORT PREPARED AND SENT TO AGENCY ON JUNE 25, 2010
 MEETING WITH AGENCY ON JANUARY 27, 2011

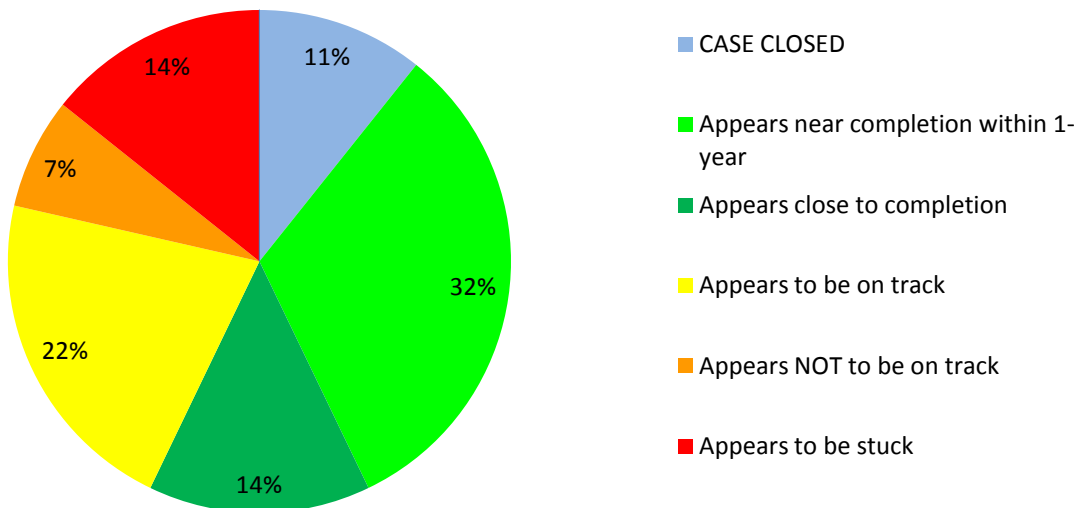
APPARENT STATUS OF CASES REVIEWED – INITIAL REVIEW AND AFTER MEETING TO DISCUSS CASES

Apparent Case Status	Initial Assessment Number of Cases (06-25-2010)	Post Meeting Assessment Number of Cases (01-27-2011)
CASE CLOSED	0	3
Appears near completion within 1-year	6	9
Appears close to completion	5	4
Appears to be on track	4	6
Appears NOT to be on track	8	2
Appears to be stuck	4	4
Unable to determine (Insufficient information in GeoTracker)	1	0
NOT FEDERAL UST CASE	0	0
OTHERS - Not Non-CUF, Older than 15-years Case	0	0

Initial Assessment Percentage of Cases (06/25/2010)



Post Meeting Assessment Percentage of Cases (01-27-2011)



ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-25-2010)	CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 01/27/2011	SITE NAME (CASE LEAD AGENCY: SAN MATEO COUNTY LOP)	GLOBAL ID	CASE WORKER	PRIMARY COC (In GeoTracker)	APPARENT TYPE OF RP	RELEASE DATE	DISCUSSION NOTES FROM MEETING/CALL (01-27-2011)	NEXT STEPS FOR AGENCY
Appears close to completion	Appears close to completion	MCDONALD'S RESTAURANT	T0608100323	AED	Gasoline	I - Industry (Railroad, Steel etc)	12/10/1988	This case was not discussed during the meeting.	Not Applicable
Appears close to completion	Appears near completion within 1-year	DUPONT	T0604500033	JM	Multiple	I - Industry (Railroad, Steel etc)	4/24/1987	This case was not discussed during the meeting; however, received an update from caseworker that this case will be closed soon as the last remaining item that needs to be done is the destruction of the wells on site.	Not Applicable
Appears close to completion	Appears close to completion	NATIONWIDE PAPERS	T0604500049	AED	Diesel	I - Industry (Railroad, Steel etc)	8/3/1993	This case was not discussed during the meeting.	Not Applicable
Appears close to completion	Appears close to completion	GOODYEAR TIRE	T0601500044	AED	Gasoline	I - Industry (Railroad, Steel etc)	10/4/1994	This case was not discussed during the meeting.	Not Applicable
Appears close to completion	Completed--Case Closed	REDWOOD CITY ELECTRIC	T0604900002	DGM	Gasoline	S - Small Private Business	10/4/1994	This case was not discussed during the meeting.	Not Applicable
Appears near completion within 1-year	Appears near completion within 1-year	RAKER ROOFING	T0608100416	JM	Gasoline	S - Small Private Business	11/21/1986	This case was not discussed during the meeting; however, received an update from caseworker that this case will be closed soon as the last remaining item that needs to be done is the destruction of the wells on site.	Not Applicable
Appears near completion within 1-year	Appears near completion within 1-year	REPETTO NURSERY	T0608100424	AED	Gasoline	F - Farm/Agriculture	11/15/1987	This case was not discussed during the meeting; however, received an update from caseworker that this case will be closed soon as the last remaining item that needs to be done is the destruction of the wells on site.	Not Applicable
Appears near completion within 1-year	Completed--Case Closed	MOHAWK PETROLEUM STATION 307542 (FORMER)	T0608135637	CLI	Gasoline	Z - Major Oil Company	4/21/1987	This case was not discussed during the meeting.	Not Applicable
Appears near completion within 1-year	Appears near completion within 1-year	UNOCAL #5529 (FORMER)	T0608100100	DGM	Gasoline	Z - Major Oil Company	1/5/1989	This case was not discussed during the meeting.	Not Applicable
Appears near completion within 1-year	Completed--Case Closed	SKYLINE COLLEGE	T0608100501	JM	Diesel	G - Government Entity (include School, Hospital, Utility)	8/29/1991	This case was not discussed during the meeting.	Not Applicable
Appears near completion within 1-year	Appears near completion within 1-year	PACIFICA FIRE STATION #2	T0608100811	AED	Gasoline	G - Government Entity (include School, Hospital, Utility)	3/25/1994	This case was not discussed during the meeting; however, received an update from caseworker that this case will be closed soon as the last remaining item that needs to be done is the destruction of the wells on site.	Not Applicable
Appears to be on track	Appears to be on track	SEARS AUTOMOTIVE CENTER	T0608100452	JM	Gasoline	I - Industry (Railroad, Steel etc)	4/10/1985	This case was not discussed during the meeting.	Not Applicable
Appears to be on track	Appears near completion within 1-year	COYNE CYLINDER CO	T0608100171	JM	Other	S - Small Private Business	9/26/1989	This case was not discussed during the meeting; however, received an update from caseworker that this case will be closed soon as the last remaining item that needs to be done is the destruction of the wells on site.	Not Applicable

ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-25-2010)	CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 03/27/2011	SITE NAME (CASE LEAD AGENCY: SAN MATEO COUNTY LOP)	GLOBAL ID	CASE WORKER	PRIMARY COC (In GeoTracker)	APPARENT TYPE OF RP	RELEASE DATE	DISCUSSION NOTES FROM MEETING/CALL (01-27-2011)	NEXT STEPS FOR AGENCY
Appears to be on track	Appears to be on track	VALLEMAR BEACON	T0608100601	AED	Gasoline	S - Small Private Business	5/30/1989	This case was not discussed during the meeting.	Not Applicable
Appears to be on track	Appears to be on track	TOSCO #3816 (FORMER UNOCAL)	T0608100912	DGM	Gasoline	Z - Major Oil Company	4/13/1993	This case was not discussed during the meeting.	Not Applicable
Appears NOT to be on track	Appears to be on track	ARCO #0249	T0608100410	AED	Gasoline	Z - Major Oil Company	3/21/1985	The case worker explained that the apparent 17 year delay seen in GeoTracker was not 17 years. During that time multiple letters and notices were sent. GeoTracker was either not yet created, or not yet mandatory during much of this time. The site is now a car dealership, and the former UST pit is covered by the showroom. A workplan to perform a data gap assessment has been submitted. Vapor intrusion remains a concern at the site. However, the SPH present at the site will need to be remediated prior to vapor intrusion being addressed. Progress at the site has been delayed by a dispute between Arco (BP) and the owners of the dealership regarding their status as RP, and Arco's historical recalcitrance. Arco has attempted to sell its liability for the site to a contractor. The Agency believes that this case is on track but is just slow moving and is working on getting response from RP.	Ensure RP compliance (includes identify RP, enforcement, EAR account etc)
Appears NOT to be on track	Appears close to completion	FIRE STATION #94	T0608100219	AED	Diesel	G - Government Entity (include School, Hospital, Utility)	9/11/1986	The soil at the site has been sampled several times and the caseworker indicated that this case is on the path to low risk closure. Current outstanding items include a well survey and documentation showing that there was only one tank at the site, not the three indicated in GeoTracker. Note that the City of Daly City handles their own well permitting and will be handling well destruction and surveying.	Solicit case closure proposal/request
Appears NOT to be on track	Appears near completion within 1-year	SOUTHERN PACIFIC	T0608100509	JM	Gasoline	I - Industry (Railroad, Steel etc)	2/28/1986	Vapor assessment was performed in 2010. Caseworker considers this case on track and noted that the case is currently under closure review and could be considered for closure within the next year. There are 2 wells at the site that still need proper abandonment and the agency has requested the destruction of these monitoring wells as of the beginning of May 2011.	Complete closure process in 1-year (includes well decommission)
Appears NOT to be on track	Appears near completion within 1-year	EXXON 7-4135 5M	T0608100205	AED	Gasoline	Z - Major Oil Company	7/10/1986	The caseworker stated that this case is ready for closure and should be closed within one year. The site is planned for redevelopment, to be utilized as a mixed use residential area. Vapor intrusion risk remains the main impediment to closure.	Complete closure process in 1-year (includes well decommission)

ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-25-2010)	CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 03/27/2011	SITE NAME (CASE LEAD AGENCY: SAN MATEO COUNTY LOP)	GLOBAL ID	CASE WORKER	PRIMARY COC (In GeoTracker)	APPARENT TYPE OF RP	RELEASE DATE	DISCUSSION NOTES FROM MEETING/CALL (01-27-2011)	NEXT STEPS FOR AGENCY
Appears NOT to be on track	Appears to be stuck	OAK KNOLL STATION	T0608100360	DGM	Diesel	O - Other (Individual, Homes etc)	4/7/1989	The primary contaminant of concern for this site is gasoline rather than diesel, and MTBE appears to be the main risk driver. Information needs to be changed in GeoTracker to represent this. The case worker stated that 13 letters were sent from the agency to the RP between 1992 and 2005, during the apparent regulatory gap in GeoTracker. However, the responsible parties remain recalcitrant. This case has five or six responsible parties. The regulator has noted that the Hetch Hetchy aqueduct is adjacent to the site in the down gradient direction. The regulator will require additional delineation, and at least one additional downgradient monitoring well, calculations showing the time frame to reach acceptable concentrations, and a utility survey prior to closure. The RPs have claimed offsite access issues as one reason for delays in this case. The caseworkers indicated that closure of the site will require demonstration of plume stability and concentrations not posing a significant risk to human health and the environment. Case is still not on track, and may require a referral to the DA, if progress is not made.	Push for new/additional remedial investigation (RI)/risk assessment
Appears NOT to be on track	Appears NOT to be on track	DALY CITY WASTEWATER PLANT	T0608100181	AED	Gasoline	G - Government Entity (include School, Hospital, Utility)	2/1/1990	The Site is located in the West Side Basin above the Colma Formation, and the depth to groundwater at the site is approximately 240 feet. The site has 2 UST areas. There are data gaps due to the presence of buried structures related to the water treatment facility making subsurface excavation or borings difficult or impractical. Funding issues are also slowing down site progress. The agency state that they may require district attorney involvement.	Push for new/additional remedial investigation (RI)/risk assessment
Appears NOT to be on track	Appears to be stuck	CANADA COLLEGE	T0608100102	DGM	Gasoline	G - Government Entity (include School, Hospital, Utility)	5/21/1991	Responsible party is a community college district, which does not report to the county board. RP is recalcitrant, and case may require referral to the DA. The next deadline that the RP must meet is 4/15/2011, by then they must have enacted the most recent work plan. If the RP does not comply, a letter will be issued by 5/1/2011. As of the time of the meeting they had not applied for the necessary well permits. The site initially had 2 USTs at the time of removal concentrations were over 100,000 ppb in groundwater. Additionally, stockpiled soil was removed from the site and reused without testing or notification of the agency. The agency is deciding whether they will require notification of the recipients, or testing of the reused soil.	Ensure RP compliance (includes identify RP, enforcement, EAR account etc)
Appears NOT to be on track	Appears to be on track	PACIFIC INSULATION	T0608100381	MM	Gasoline	S - Small Private Business	10/2/1991	The caseworker considers this case "On Track". Though caseworker believes that further delineation of the plume is needed, the case is track because now there is a RP that is responsive, instead of the original RP that was not responsive. Enforcement is not needed at this time as the RP is cooperative.	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be stuck	Appears near completion within 1-year	SKYLONDA CORNERS	T0608100574	DGM	Gasoline	O - Other (Individual, Homes etc)	1/1/1983	Site is on path to closure. The one remaining items is that well destruction needs to be conducted.	Complete closure process in 1-year (includes well decommission)

ESTIMATED STATUS IN THE CLEANUP PIPELINE? (06-25-2010)	CHANGE IN STATUS IN THE CLEANUP PIPELINE (BASED ON MEETING/CALL WITH AGENCY) ON 01/27/2011	SITE NAME (CASE LEAD AGENCY: SAN MATEO COUNTY LOP)	GLOBAL ID	CASE WORKER	PRIMARY COC (In GeoTracker)	APPARENT TYPE OF RP	RELEASE DATE	DISCUSSION NOTES FROM MEETING/CALL (01-27-2011)	NEXT STEPS FOR AGENCY
Appears to be stuck	Appears to be on track	UNION CARBIDE CORP.	T0608100558	JM	Gasoline	I - Industry (Railroad, Steel etc)	9/1/1987	The caseworker noted that there was no apparent gap in enforcement and that 51 letters were mailed during an apparent gap in enforcement. The site had been progressing towards closure in 2001 when the deed restriction failed to be put in place because of a change in ownership. Without the deed restriction the agency required that the site be cleaned up to residential ESLs. There are two UST source areas at the site, and benzene and TPHg are the primary risk drivers. However Vinyl chloride from an unknown source (possibly Praxair) is also present, as is acetone which is believed to be from illegal dumping at the site. Progress at the site is delayed because of access issues between the RP and the current owner. The caseworker considers this case now "On Track" because in December 2010 Peroxone and ORC Injections were conducted and in January 2011 follow up sampling was also conducted. The RP has been cooperative and has met minimal requirements. The agency does not feel that additional enforcement is warranted for this case and would be counterproductive.	Push for additional/alternate remediation (current remediation ineffective)
Appears to be stuck	Appears to be stuck	WHEREHOUSE ENTERTAINMENT	T0608100618	MM	Gasoline	S - Small Private Business	4/7/1987	This RP has been historically recalcitrant. The caseworker noted that this case could be a potential referral case and that a notice of violation will most likely be issued shortly. The case worker noted that the vapor mitigation system is passive (similar to a radon venting system), therefore the language in the report about the system not having been operated should be removed or revised to indicate that it is a passive system. The caseworker agrees that this case is not yet unstuck, but the Agency is actively working on it.	Ensure RP compliance (includes identify RP, enforcement, EAR account etc)
Appears to be stuck	Appears NOT to be on track	NORCAL-SUNSET SCAVENGER	T0608101010	AED	Diesel	I - Industry (Railroad, Steel etc)	6/9/1989	This is a large site with multiple areas of concern. Free product sheen is still present at the site in wells which have been completed in bedrock. The agency would like to see calculations estimating the time for residual contamination to reach ESLs. There has been no active remediation to date, just passive skimmers have been used. The down gradient site is an open landfill case with oversight provided by the RWQCB.	Push for additional/alternate remediation (current remediation ineffective)
Unable to determine (Insufficient information in GeoTracker)	Appears to be stuck	CALTRANS MAINTENANCE FACILITY	T0608100685	AED	Gasoline	G - Government Entity (include School, Hospital, Utility)	3/15/1993	Caltrans is the recalcitrant RP and they claim that they lack money to conduct site work; however, they have submitted some work plans. Note during the conversation of this case, U.S. EPA offered to compile a list of similar Caltrans sites and said that they would discuss with SWRCB a strategy to address the Caltrans problem. Caltrans obtained a new contractor (Stantec) for this site.	Ensure RP compliance (includes identify RP, enforcement, EAR account etc)

Attachment 1:

Case Review Power Point Slides from Draft Report

The contents of this attachment are provided in electronic format only.

McDonald's Restaurant (T0608100323)

2750 Geneva, Daly City, CA 94015



Case Age: 24 years
 Primary COC: Gasoline
 RP Identified by Regulator: McDonald's USA LLC
 Current Land Use: Restaurant

OPEN - VERIFICATION MONITORING**CLEANUP OVERSIGHT AGENCIES**

SAN MATEO COUNTY LOP (LEAD) - CASE #: 220013
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0338
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- No active remediation, tanks removed 1986
- Monitoring only performed over last few years, new investigation report due in September.
- Agency cites data gaps in plume definition as the primary impediment to low risk closure. The boundary of the plume, however, appears to underlie a parking lot and major street where no complete exposure pathways are expected to exist.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100323)

Assessment last 5 years

- Periodic GWM conducted 2006 to present
- Site Conceptual Model dated 2009 on file in GeoTracker
- Work plan for additional plume definition, sensitive receptor study, and conduit study on file with reports due by Sept. 2010

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Initial soil borings and one monitoring well advanced in 1986
- Groundwater sampling conducted in 1989, and 1991 to 1992
- Additional monitoring wells installed in 1993, 1994 & 1995. Periodic GWM conducted 1993 to 2000, possibly with interruptions
- Aquifer testing conducted in 1995
- Periodic GWM conducted 2002-2003,

Remediation older than 5 years

- USTs and fuel systems removed from site in 1986
- Excavate & Dispose conducted in 1986

IMPEDIMENTS TO CLOSURE (T0608100323)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *Extent of downgradient contamination unassessed.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *TPHg and benzene exceed MCLs.*

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Define downgradient extent of contamination allowing an adequate assessment of risk and design of remedy.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

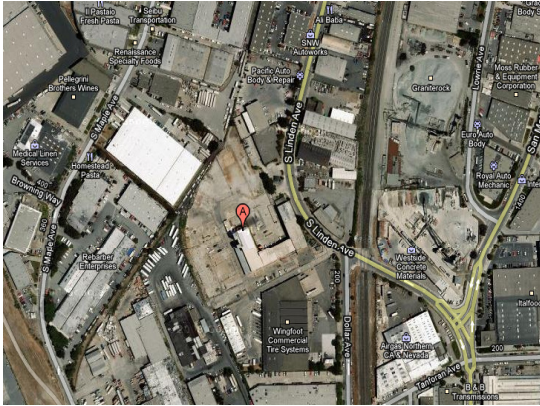
- Groundwater Already Impacted above MCLs.

Review Conclusions T0608100323

- Site open for many years
 - Seven years of monitoring only 1 well before additional site investigation was initiated
- Current well network defines small stable plume with low concentrations at plume boundaries
 - However, additional plume definition appears as primary impediment to Low Risk Closure in GT. Site operated pre-MtBE, soils contamination excavated.
 - Investigation in major street, may pose greater risk to human health than minor impacts remaining beneath the street
- Current source area and groundwater plume underlie a parking lot and edge of multi-lane street
 - It is very unlikely that future redevelopment will occur over the plume or that street maintenance activities will ever encounter impacted soil or groundwater before natural attenuation completes biodegradation of COCs below clean up goals. Should redevelopment occur a deed restriction would protect any future workers
- **A low-risk case closure candidate?**
- *Discussion: Benefits of Continued MNA/Passive Remediation vs. Low Risk Closure and deed restriction?*

DuPont (T0608100658)

160 S. Linden Avenue, S. San Francisco, CA 94080



Case Age: 23 years
 Primary COC: Stoddard solvent, mineral spirits, distillates, arsenic
 RP Identified by Regulator: DuPont Specialty Chemicals
 Current Land Use: Commercial/Industrial

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 550117
 CASEWORKER: [JACOB MADDEN](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0692
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Little activity or record of oversight between 1987 and 2002. San Mateo became lead agency in 1999.
- Multiple COCs and source areas , only Arsenic remains as an impediment to closure



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100658)

Assessment last 5 years

- Annual GWM
- Toluene investigation
- Arsenic investigation

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Multiple phases of soil borings and monitoring well installations
- Quarterly GWM

Remediation older than 5 years

- UST removal
- Soil excavation and disposal

IMPEDIMENTS TO CLOSURE (T0608100658)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *Extent of Arsenic along property line is undetermined.*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - *Arsenic above background and above risk based exposure criteria. Must be confirmed, characterized and possibly remediated.*

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - *determine extent of Arsenic*
- Protect Human Health - *Evaluate if health risk exists and manage residual contamination.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

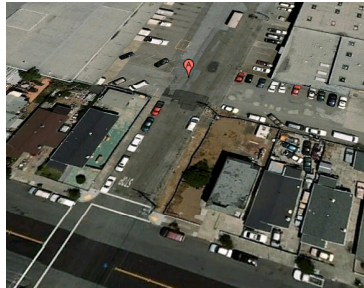
- Groundwater Already Impacted Toluene

Review Conclusions T0608100658

- Apparent 15 year delay in oversight, San Mateo took over as lead in 1999.
- Multiple phases of investigation covering a wide variety of COCs, most recent workplan submitted in April 2010 was to address Arsenic contamination. SHOULD THIS BE A SLIC SITE?
- According to a May 26, 2008 SMCEH letter, arsenic is the only remaining environmental issue for the property. Arsenic contamination is a result of weed control carried out along the former railroad spur. Should this site be removed from UST List?
- Arsenic investigation to be completed in 2010
- Site being addressed for commercial/residential standards based on deed restriction
 - Potential for case closure will be based on review of arsenic results anticipated in 2010
 - If future land use is changed, residential standards may apply and be cause for reopening the case, if closed; likelihood of land use change to residential is, however, very unlikely
- **Potential closure candidate**
- *Discussion: Should this site be Managed as a Cleanup Program Site? A SLIC Site? Not a petroleum case at this point.*

NATIONWIDE PAPERS (T0608100718)

450 ALLAN, DALY CITY, CA 94015

**Case Age: 17 years****Primary COC: DIESEL****RP Identified by Regulator: Rene McClain****(Nationwide Papers)****Current Land Use: Not Changed****OPEN - SITE ASSESSMENT****CLEANUP OVERSIGHT AGENCIES**

SAN MATEO COUNTY LOP (LEAD) - CASE #: 220038

CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0759

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNGGREN**Possible Reasons Why This Case Is So Old**

- High concentrations of TPH-d and TPH-g originally detected in soil and GW
- No activities from 1995 to 2001
- Request for closure 2009
- SWRCB issued notice the site is under review of petition for closure in June 2010

NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info T0608100718

Assessment last 5 years

- Ongoing: GWM (20 events between 11/1994-3/2009)
- 2006: Additional supplemental investigation
- 2004: Supplemental Investigation

Remediation last 5 years

- Natural attenuation is remedial approach

Assessment older than 5 years

- 2002: GW and Utility preferential pathway investigation
- 2001: Reassessed soil boring
- 1995: 9 borings
- 1994: 6 soil borings investigation and 3 MWs installation, GWM
- 1993: Soil and grab GW samples during removal

Remediation older than 5 years

- 1993: Excavate and dispose
- 1994: Removal of source area (soil = 117-cy and GW = 175-gal)

IMPEDIMENTS TO CLOSURE T0608100718

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

PLUME INSTABILITY

Verification Monitoring Not Complete - *Final verification pending.*

GROUNDWATER IMPACTS

Groundwater Impacted Above Other Cleanup Goal - *TPHd above MCLs.*

BENEFITS OF ADDITIONAL WORK

Verify Remedial Action Effectiveness - *Final verification pending.*

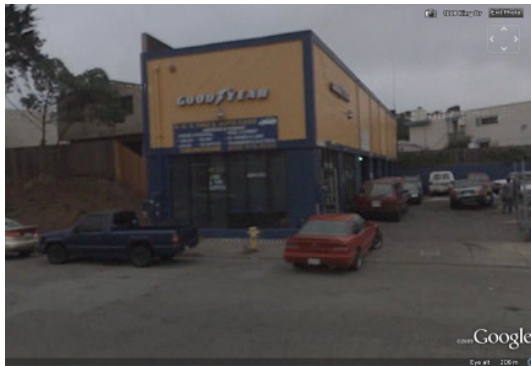
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	above MCLs.

Review Conclusions T0608100718

- Regulator requested to revise cleanup goals in 6/2008 and an addendum to the CAP/CSM was submitted 8/2008.
- RP's consultant prepared a Closure Summary (10/2009) and requested low-risk closure. Appears site met all 5 low-risk criteria, closure denied February 2010.
- Closure Review (12/15/2009) indicates, "Verification Monitoring Not Complete - *Final verification pending,*" and "Groundwater Impacted Above Other Cleanup Goal - *TPHd above MCLs.*"
- *Site currently under review of Petition for Closure with SWRCB*
- Discussion: *Next step – how to move this case towards cleanup closure?*

GOODYEAR TIRE (T0608100862) 1010 KING, DALY CITY, CA 94015



Case Age: 16 years
Primary COC: GASOLINE
RP Identified by Regulator: Bruce Horn (Horn Investment Realty) and Mr. & Mrs. Salonga (DRS Tire & Auto Repair)
Current Land Use: Not changed

Possible Reasons Why This Case Is So Old

- Leak discovered in 1988 and reported in 1994.
- No activities documented until 2008.
- Limited site history. Limited activity at site.
- Only 1 GWM ESI submittal on GeoTracker.

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 220040
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0936
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDRGREN

NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info T0608100862

Assessment last 5 years

- 10/2008: GW monitoring – 1 MW

Remediation last 5 years

- None

Assessment older than 5 years

- None

Remediation older than 5 years

- 1988: Leak discovered (case actually 22 years old)
- 1994: Report date

IMPEDIMENTS TO CLOSURE T0608100862

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

PLUME INSTABILITY

Verification Monitoring Not Complete - *Final verification pending.*

GROUNDWATER IMPACTS

Groundwater Impacted Above Other Cleanup Goal - *MtBE and benzene exceed MCLs.*

BENEFITS OF ADDITIONAL WORK

Verify Remedial Action Effectiveness - *Final verification pending.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR

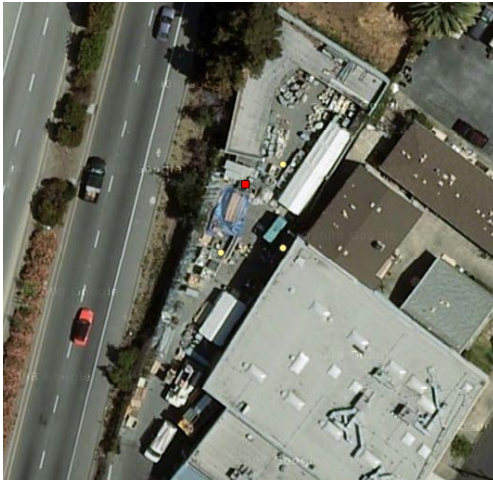
IMPACT SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	above MCLs.

Review Conclusions T0608100862

- July 2008: San Mateo LOP issued a letter stating site may be ready for closure and prior to closure:
 - sample for MTBE in existing MWs
 - collect GW sample down-gradient of former waste oil tank and analyze for fuel oxygenates, halogenated HC and degradation parameters
- MW2 had not been used for over 10-years, in Sept 2008, consultant developed well and collected GW sample from MW2 (MTBE at 159-ppb). Consultant indicated that they cannot make recommendations regarding site closure due to lack of information at the site and concentrations discovered to exceed MCLs and they "proposed to evaluate for site closure including a risk assessment."
- Some chlorinated solvents noted in the groundwater concentrations (1,1-DCA, cis-1,2-DCE, and TCE)
- No future activities currently expected as RP complied with regulator request.
- *Discussion: Next step – how to move this case towards cleanup closure? Request additional groundwater sampling to assess MtBE risk? Locate historical documents, history unknown? Consider site for low risk closure?*

REDWOOD CITY ELECTRIC (T0608100820)

114 HAZEL, REDWOOD CITY, CA 94064



OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 330127
 CASEWORKER: [DENO MILANO](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0880
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Case Age: 16 years

Primary COC: GASOLINE

RP Identified by Regulator: REDWOOD CITY ELECTRIC

Current Land Use: Not changed

Possible Reasons Why This Case Is So Old

- Several years between activities.
- Additional site investigation WP submitted 12/2003; conditionally approved 4/2004. Report submitted 8/2006 - Contractor indicated that they were not contracted to upload to GT (as requested in 12/2003 letter from regulator.) Letter from contractor in 7/2007 indicated all required ESI submittals were uploaded.
- Several years since last action and between actions.

NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0608100820

Assessment last 5 years

- 6/2007: Depth to water measured in 3 MWs
- 2/2006: Investigation
- 2006: GWM
- Quarterly GWM since 2002

Remediation last 5 years

- NONE

Assessment older than 5 years

- 2003: GWM. Phase I assessment by another contractor.
- 2000: Investigation to explore for unconfirmed USTs
- 1996-2000: GWM
- 1996: 2 GWM wells and 3 soil borings
- 1994/1995: Advanced 7 soil borings and 1 GWM well.

Remediation older than 5 years

- 2003: Excavation of suspected UST pit area – encountered broken product lines, pea gravel, and concluded presence of former UST

IMPEDIMENTS TO CLOSURE T0608100820

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

GROUNDWATER IMPACTS

Groundwater Impacted Above Background - *But impact appears localized and stable*

PROCEDURAL IMPEDIMENTS

Monitoring Wells Not Yet Abandoned - *Site on LOP case closure evaluation listing*

BENEFITS OF ADDITIONAL WORK

Other - *Evaluate site data to determine if site satisfies RWQCB low-risk case closure criteria*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

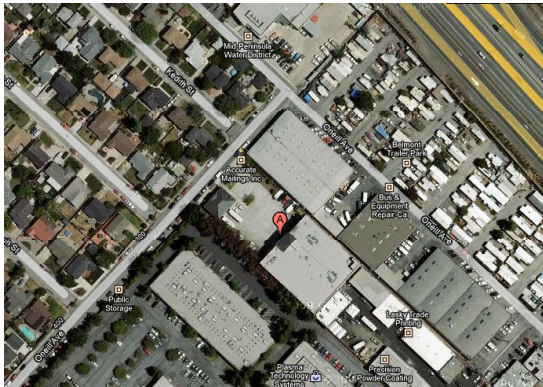
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	-

Review Conclusions T0608100820

- Closure Review indicated *“impact appears localized and stable”* and *“site on LOP case closure evaluation listing.”*
- Subsurface Investigation results from April 2006 showed low detections in soil (below ESLs) and maximum TPH-g at 5,100-ppb in GW.
- *Discussion: Next step – how to move this case towards cleanup closure? Evaluate for closure? Solicit closure request?*

Raker Roofing (T0608100416)

333 ONEILL AVE, BELMONT, CA 94002



Case Age: 24 years
 Primary COC: Gasoline
 RP Identified by Regulator: A PSA
 Institutional Partners LP (Public Storage)
 Current Land Use: Commercial Storage

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 120011
 CASEWORKER: [JACOB MADDEN](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0437
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- 8 years passed between closure request and request for additional work
- Monitoring wells not being sampled regularly; incomplete data set
- Very limited data in GeoTracker to review
- Closure recommended February 2010
- Additional groundwater sample requested prior to closure consideration in April 2010



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info T0608100416

Assessment last 5 years

- January 2010, groundwater , and sub-slab vapor samples were taken, no risk to indoor air noted in results.

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Assessment activities conducted in 1990's

Remediation older than 5 years

- Excavate and Dispose conducted in late 1990's

IMPEDIMENTS TO CLOSURE (T0608100416)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Current concentrations unknown, pending sampling.*

UNACCEPTABLE RISK

- Other - *Risk unknown, pending sampling.*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Direct conduit to groundwater.*

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Determine if site is ready for closure review, No data from site collected for last 10 years*
- Other - *Remove conduits to groundwater*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

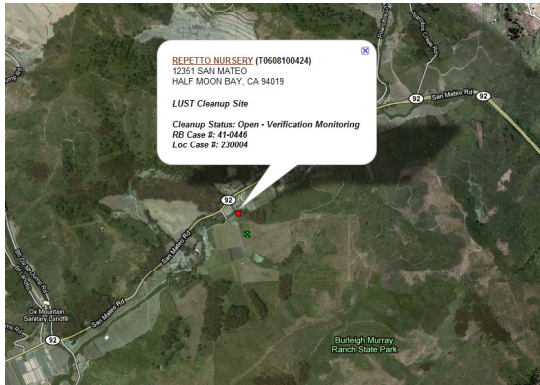
- Groundwater Already Impacted Gasoline

Review Conclusions T0608100416

- The site was investigated in 1998, and partially remediated from 1998 to 2008 , with an unknown amount of soil excavated and disposed of. The RP then requested site closure, followed by an eight year wait for regulatory response to the case closure request
- Groundwater samples were taken in January 2010, however in an email dated 4/27/2010 the regulator states that the wells were improperly screened, and therefore the samples taken are not representative of conditions in the very shallow subsurface. The regulator has requested that a grab water sample be taken and results submitted no later than August 27, 2010. Soil vapor samples taken during the January 2010 sampling event indicated that vapor intrusion does not pose a risk for this site.
- If the grab water samples the regulator has requested do not indicate subsurface contamination, and once all requested documents are uploaded to GeoTracker, the case should be ready for closure.
- Case needs all available data submitted to GeoTracker followed by another closure evaluation
- *Discussion: Case appears ready for closure within one year.*

Repetto Nursery (T0608100424)

12351 San Mateo Road, Half Moon Bay, CA 94019



Case Age: 23 years
 Primary COC: Gasoline
 RP Identified by Regulator: David Repetto –
UNCLAIMED IN GEOTRACKER
 Current Land Use: Agriculture

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 230004
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0446
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Case Closure Summary sent to RWQCB 8-26-09. Letter dated January 4, 2010 states RWQCB concurred, pending well destruction (San Mateo LOP requirement)
- Leak reported 1897, 1 letter sent to RP in 1989, no other records in GeoTracker
- Lack of Regulatory oversight and enforcement caused case to age
- Case remains unclaimed in GeoTracker. Site location may be inaccurate in GeoTracker

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100424)

Assessment last 5 years

- NONE DOCUMENTED

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- NONE DOCUMENTED

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0608100424)

as reported by regulatory agency

PROCEDURAL IMPEDIMENTS

- Other - *Undergoing formal closure review.*

BENEFITS OF ADDITIONAL WORK

- Protect Designated Beneficial Uses - *Groundwater designated for potential municipal, agricultural, and industrial use.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted

Review Conclusions T0608100424

- There has been no clean-up action at the site.
- A 'San Mateo County Case Closure Summary' filed 8/26/2009 and sent to RWQCB for concurrence. January 4, 2010, San Mateo sent letter stating RWQCB has concurred with site closure, and instructed RP to abandon wells. Since there are no reports or data in GeoTracker, there is no record of monitoring wells existing at this site. The closure summary submitted by San Mateo LOP makes reference to 1 monitoring well at the site.
- In "Regulatory Activities" for site, Letter requesting well abandonment dated January, 2010 gave deadline of January 2011 to receive well abandonment report. No reason to believe, based on case history, RP will comply. Should see about getting into EAR account or otherwise find funding for well destruction so case can be closed.
- There is no data, reports or site maps of any kind in GeoTracker other than URF, and closure Summary.
- **Site appears to be ready for closure, The January 4, 2010 letter from the Regulator to the RP titled, "Pending Case Closure, A. Repetto Nursery, 12351 San Mateo Road, Half Moon Bay, CA 94019," asked for a work plan for well destruction.**

MOHAWK PETROLEUM STATION (T0608135637)

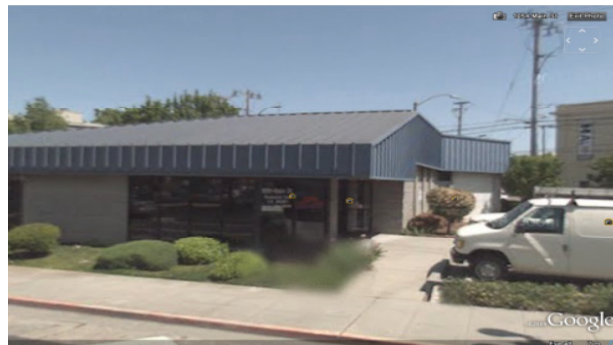
1001 Main Street, Redwood City, CA 94063



Case Age: 23 years
 Primary COC: Gasoline
 RP Identified by Regulator: Chevron
 Current Land Use: Commercial/Industrial

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 330215
 CASEWORKER: [CHARLES ICE](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2)
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNGGREN



Possible Reasons Why This Case Is So Old

- Extent of contamination not fully defined
- Off-site access issues, intervals between communications. Nothing between 1987 and 2005 (18 years)

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608135637)

Assessment last 5 years

- 2008: Two soil borings
- 2006: Subsurface Investigation – 5 soil borings (soil and grab GW samples)

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1987: Soil sampling during tank removal

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0608135637)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *Downgradient extent of groundwater*

Other Impediments

- RP's internal policy regarding drilling in streets and distances away from utilities and request to regulatory agency to force neighboring property owner to allow access

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - *Verify downgradient extent of groundwater contamination*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted

Review Conclusions T0608135637

- RP's consultant requested for case closure in 2007 – based on soil and GW sample results (Soil and GW Investigation Report, dated January 2007 – maximum in soil for TPH-g at 110-mg/kg, and maximum for GW or TPH-g at 9,600-ppb).
- Closure request in 2007 was denied by San Mateo LOP stating need to define magnitude and extent of petroleum HC down-gradient from boring B5.
- Additional site assessment was delayed by off-site access issue, and RPs policy not to drill in streets, or near utilities.
- Oct 2009: RP revised WP for Additional Site Assessment (new locations for proposed temporary well installation)
- Might be ready for case closure within 1 year (pending additional assessment results)
- *Discussion: (1) Additional site assessment, (2) steps to move case towards cleanup closure? What and where are the receptors that are threatened?*

Unocal #5529 (T0608100100)
 4460 Cabrillo Highway, Pacifica, CA 94044



Case Age: 21 years
 Primary COC: Gasoline
 RP Identified by Regulator: Chevron EMC
 Current Land Use: VACANT

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 340006
 CASEWORKER: [DENO MILANO](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0105
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Multiple PRPs over time – Unocal, Caltrans, Chevron
- Three wells are missing, and the regulator is requesting that they be located, developed and sampled prior to granting low risk closure
- Non-responsive secondary RP (Caltrans)



NOTE: Data queried from GeoTracker and reviewed in June 2010

**Activities Conducted to Date Based on GeoTracker Info
 T0608100100**

Assessment last 5 years

- Quarterly GWM
- Additional monitoring well installation
- RBCA
- Closure evaluation

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Initial soil borings and several phases of monitoring well installations
- Quarterly GWM

Remediation older than 5 years

- UST removal including soil excavation and disposal

IMPEDIMENTS TO CLOSURE (T0608100100)

as reported by regulatory agency

PROCEDURAL IMPEDIMENTS

- Non-Responsive and / or Recalcitrant Responsible Party - *Ongoing compliance problem with Secondary RP (CalTrans) performing sufficient work to locate three buried monitoring wells* Monitoring Wells Not Yet Abandoned - *Ongoing compliance problem with Secondary RP (CalTrans) performing sufficient work to locate three buried monitoring wells*

BENEFITS OF ADDITIONAL WORK

- Other - *Eliminate potential vertical conduits*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted Minor residual impact in exposed wells

Review Conclusions T0608100100

- Multiple PRPs listed over time – Unocal, Caltrans (secondary), Chevron (primary)
- Site appears to meet low risk case closure criteria
- Case closure request was submitted April 2009. Agency responded April 2010, requesting that the lost monitoring wells be located developed and sampled, and MW-9 be sampled for Naphthalene. Additionally the closure summary had errors regarding monitoring and well casing survey data
- Closure impediment is three missing wells (missing since 1996!) apparently damaged/lost during street widening activities by Caltrans. SMC require locating and sampling of missing wells prior to considering closure.
- Initial missing well locate and sampling request made nearly 10 years after the fact to both Caltrans and Chevron; recent letter indicates only Caltrans RP for missing wells. Current lack of response by Caltrans could go on indefinitely, and funding issues.
- Missing some data in GeoTracker (pre-2006)
- High potential for case closure
- *Discussion: If well abandonment no longer required for Low Risk Closure, why is this delaying closure? See about closing with an order to locate and destroy other wells later?*

SKYLINE COLLEGE (T0608100501)
3300 COLLEGE, SAN BRUNO , CA 94066



Case Age: 19 years
RP Identified by Regulator: SAN MATEO (COUNTY)
COMMUNITY COLLEGE DISTRIC
Primary COC: DIESEL
Current Land Use: Not Changed

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 880024

CASEWORKER: [JACOB MADDEN](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0525

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN



Possible Reasons Why This Case Is So Old

- Leak in 1991, initial investigation in 1992 (installed 2 monitoring wells). Wells sampled again in 2009 (17 years between sampling).
- Limited oversight in GeoTracker. School site with limited funding?

NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info
T0608100501

Assessment last 5 years

- One GWM event in 2009

Remediation last 5 years

- NONE, other than bailing of wells for sampling in 2009

Assessment older than 5 years

- Installed and sampled 2 monitoring wells in 11/1992, not sampled again until 2009
- Soil samples collected from excavation in 8/1991

Remediation older than 5 years

- 8/1991 USTs removed

IMPEDIMENTS TO CLOSURE T0608100501

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

PROCEDURAL IMPEDIMENTS

Monitoring Wells Not Yet Abandoned - *Request to abandon sent 1/8/2010.*

BENEFITS OF ADDITIONAL WORK

Other - *Remove conduit to GW*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

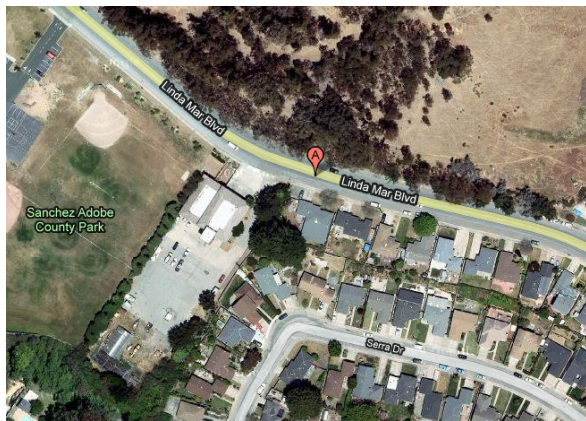
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	yes

Review Conclusions T0608100501

- Soil samples collected during initial investigation were all ND. GW samples collected in 2009 were all ND.
- Regional Board concurred with closure, agency stated on 1/8/2010, closure not to granted prior to proper well destruction. Agency listed deadline for receiving well abandonment report as January 2011 under “Regulatory Activities”. No reason to believe RP will comply based on history.
- *Discussion: Next step – how to get wells abandoned so site can be closed? Funding issues?*

PACIFICA FIRE STATION #2 (T0608100811)

1100 LINDA MAR, PACIFICA , CA 94044



Case Age: 16 years
Primary COC: GASOLINE
RP Identified by Regulator:
CITY OF PACIFICA
Current Land Use: Not Changed

Possible Reasons Why This Case Is So Old

- Appears limited RP involvement at the beginning of case
- No ESI submittals
- Closure only awaiting well abandonment
- *Government entity case? Funding?*



OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #. 340023
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #. 41-0869
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0608100811

Assessment last 5 years

- GW monitoring frequency review indicated 4 MWS sampled annually.

Remediation last 5 years

- None

Assessment older than 5 years

- None

Remediation older than 5 years

- 1994: USTs removed
- 1996-1997: Pump and treat GW

IMPEDIMENTS TO CLOSURE T0608100811

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

PROCEDURAL IMPEDIMENTS

Monitoring Wells Not Yet Abandoned - *Requested abandonment of 4 wells 3/19/2009.*

BENEFITS OF ADDITIONAL WORK

Protect Designated Beneficial Uses - *Groundwater designated for potential municipal, agricultural, and industrial use.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

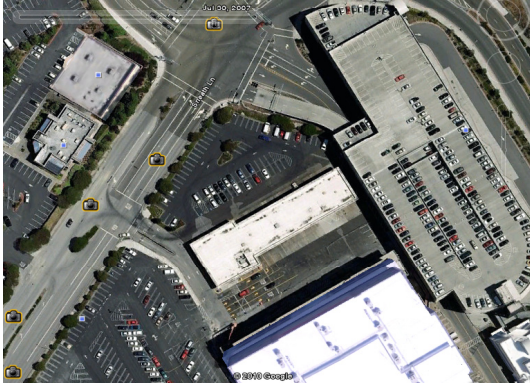
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	

Review Conclusions T0608100811

- Groundwater frequency review indicates 4 MWS sampled annually. No ESI data in GeoTracker.
- San Mateo County Case Closure Summary submitted to RB (2/2009) and approved 3/2009.
- March 2009: Case Closure will be granted when the monitoring wells are destroyed. Deadline of April 2009 given for securing well abandonment permits, no evidence this ever happened. Funding issues?
- *Discussion: Site closure only awaiting well abandonment. Is funding an issue to be explored?*

Sears Automotive Center (T0608100452)

1178 EL CAMINO REAL, SAN BRUNO, CA 94066



Case Age: 25 years
Primary COC: Gasoline
RP Identified by Regulator: Sears Holdings Mgmt. CORP.
Current Land Use: Auto Repair Center

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (**LEAD**) - CASE #: 880008
 CASEWORKER: [JACOB MADDEN](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0476
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNGGREN

Possible Reasons Why This Case Is So Old

- Source of pollution not completely resolved, potential other sources
- Leak discovered 1985, notice of responsibility went out 1991 (6 years passed)
- Site suspected of being source of vapors in San Bruno BART Police Station



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100452)

Assessment last 5 years

- 9/27/07 work plan and sample indoor & outdoor air during winter.
- 2006 Soil Vapor and Indoor air report.
- 2008 Began monitoring semi-annually

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Several phases including monitoring and subsurface surveys

Remediation older than 5 years

- NONE DOCUMENTED

IMPEDIMENTS TO CLOSURE (T0608100452)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Pollutant Sources Have Not Been Adequately Identified or Evaluated - *Source of contamination near police station is not clear*

INADEQUATE SOURCE CONTROL

- Feasible Source Control Not Performed - *78,000 ppb TPH-G and 8,500 ppb benzene near source? Remediation will be required to reduce risk to police station.*

PLUME INSTABILITY

- Verification Monitoring Not Complete - *After remediation*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *Above ESL's, complete pathway to indoor air.*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Vapor Intrusion - *Indoor air samples indicate concentrations above ESLs in basement*

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - *After remediation*
- Remove / Reduce Source Mass - *Reduce potential risk to human health*
- Protect Human Health - *Request a CAP to remove pathway to indoor air*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

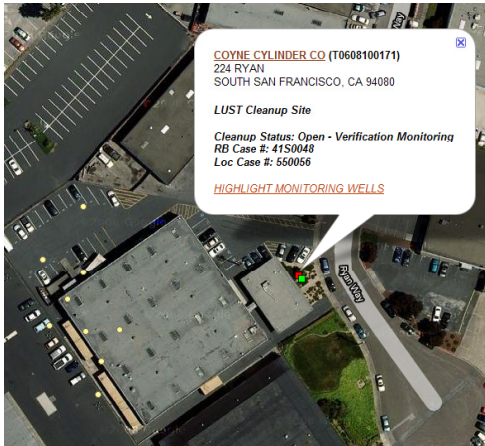
- Groundwater Already Impacted 78,000 TPH-G, 8500 benzene
- Indoor Air (Residential or Commercial) Already Impacted 270 ug/m3 in basement.

Review Conclusions T0608100452

- Potential older source of contamination (from former racetrack or internment camp), additional investigation could show additional source areas for indoor vapors
- Possibly need to perform more extensive soil vapor investigation, including sub-slab of police station building
- On 10/7/2009 the RP was deemed out of compliance and ordered to either mitigate indoor air concentrations to reduce exposure to building occupants or furnish proof that the subsurface contamination is insignificant.
- Not a potential closure candidate at this time
- *Discussion: (1) Locate other potential sources, (2) Remediation/mitigation for soil vapor intrusion, and (3) identify steps that will be necessary to move case towards closure?*

Coyne Cylinder Co. (T0608100171)

224 Ryan, S. San Francisco, CA 94080



Case Age: 21 years
 Primary COC: ACETONE (GT incorrectly lists gasoline – or is there missing data?)
 RP Identified by Regulator: THERMADYNE HOLDINGS CORP
 Current Land Use: Commercial

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 550056
 CASEWORKER: JACOB MADDEN - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41S0048



NOTE: Data queried from GeoTracker and reviewed in June 2010

Possible Reasons Why This Case Is So Old

- There have been 2 multi-year periods of inactivity at the site. 1997 to 2000 and 2000 to 2003.
- Additional COC sources do not appear to have been investigated
- Recent focus on soil gas has raised new concerns, VI risk unlikely 21 years after release
- Leak from 8,000 gallon acetone tank. SLIC?

Activities Conducted to Date Based on GeoTracker Info (T0608100171)

Assessment last 5 years

- Periodic GWM since 2003 to present
- Additional soil & soil-gas borings
- Additional well installation
- Site Conceptual Model
- New VI Work Plan – results TBD

Remediation last 5 years

- None Documented

Assessment older than 5 years

- Initial soil borings and monitoring well installations
- Periodic GWM 2003 to present
- Groundwater sampling event in 2000
- Quarterly GWM 1991 to 1997

Remediation older than 5 years

- UST removal
- Soil excavation and disposal
- Groundwater pump & treat

IMPEDIMENTS TO CLOSURE (T0608100171)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Unacceptable Risks to Human Health from Vapor Intrusion - *Soil vapor to be confirmed and defined to determine risk. WP due.*

BENEFITS OF ADDITIONAL WORK

- Protect Human Health - *Determine if complete exposure to indoor air is complete. Soil vapor to be confirmed and defined to determine risk. WP due.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

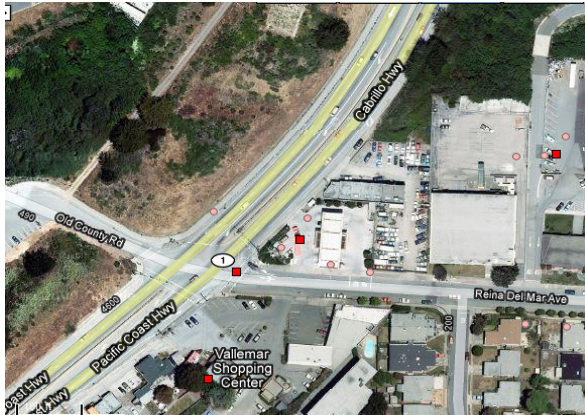
- Groundwater Already Impacted Gasoline and VC

Review Conclusions T0608100171

- Site appears to be an Acetone UST case. There is an associated Cleanup Program case for this site, but it too lists Gasoline as the CoC. The Cleanup Program case is overseen by SFBRWQCB. Should this case be regulated under the SLIC program?
- Detections of TPHg seems to have been a false positive caused by Acetone, and Methyl-isobutyl-ketone. Additionally, chlorinated solvents, and several VOCs have been detected at the site. The sources of the additional CoCs does not appear to have been determined, however, the available site history is very limited in GeoTracker, and only a single duplicate report is in GeoTracker for the Cleanup Program case.
- Only low concentrations of soil gas have been detected
 - Acetone in groundwater has migrated beneath the adjacent building and may pose a VI threat, but that threat , if any, has significantly decreased over last 21 years
 - Other detected VOCs (benzene and VC) over ESLs are COCs not associated with previous site operations and represent an apparent offsite source
 - Soil gas investigation did not account for degradation in upper 5 feet, where increased O2 is present and where the bulk of attenuation takes place
- The site is at or near meeting low risk closure criteria
- Proposed 2010 VI investigation to qualify if current risk exists
- *Discussion: (1) Was there a Gasoline case here? (2) Should the Acetone, VOCs and other CoCs be managed as SLIC Case? (3) What is the benefit of keeping the UST case open in GT?*

Vallemar Beacon (T0608100601)

2095 Cabrillo HWY, Pacifica, CA 94044



Case Age: 21 years
Primary COC: Gasoline
RP Identified by Regulator: KN Properties
Current Land Use: Gas Station

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (**LEAD**) - CASE #: 340010
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0629
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNGGREN

Possible Reasons Why This Case Is So Old

- No active remediation recorded
- Case petitioned to SWRCB for closure in early 2010. LOP responded to closure petition, which may not have followed proper procedure.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100601)

Assessment last 5 years

- Periodic ground water monitoring has been conducted in 2005 to 2009

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1992 Initial Subsurface investigation. One Monitoring well installed.
- 2003 Three additional monitoring wells installed, and two more in 2004

Remediation older than 5 years

- USTs removed and replaced in 1989
- Hydraulic lifts removed in 1998, over excavation performed.
- Waste oil use removed 1998

IMPEDIMENTS TO CLOSURE (T0608100601)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *Vertical and lateral extent of groundwater contamination undetermined.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *MtBE, Benzene, and TPHg exceed MCLs.*

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Determine extent of groundwater contamination.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted above MCLs.

Review Conclusions T0608100601

- RP has petitioned the SWRCB for closure, however, in submittals to the SWRCB both the Local Agency and the RWQCB found the petition to be without merit.
- Sheen present in MW-2 as of May 2009, and a “slight petroleum odor” was detected in MW-2 during the Jan 2010 Monitoring event. ESLs for Potential drinking water were exceeded during the January 2010 sampling event in 4 of the 5 wells sampled.
- Well nearest to UST pit (MW-1) was inadvertently destroyed in the late 1990’s.
- To date there has been no active remediation of the site
- In October 2009 the Regulator requested a SCM to assist in defining data gaps and moving the site towards closure. Rather than submit the SCM the RP petitioned the SWRCB for closure. To date the SCM has not been submitted.
- Unexplained gap in site activity and enforcement from 1992 to 2003. Gaps in GeoTracker?
- *Discussion: What is the path to moving this site towards cleanup and closure? Where /What are the sensitive receptors, including exact locations of all wells near the site?*

TOSCO #3816 (FORMER UNOCAL) (T0608100912)
101 SOUTH MAYFAIR AVENUE, DALY CITY, CA 94015



Case Age: 17 years
Primary COC: GASOLINE
RP Identified by Regulator: CONOCOPHILLIPS
Current Land Use: Active Service Station

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 220036

CASEWORKER: [DENO MILANO](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0998

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Multiple tanks removed over different periods of time since initial leak in 1993.
- In 1995, an additional isolated area of petroleum hydrocarbon impacted soil was encountered near the waste oil UST (initial leak discovered).
- Several years between remedial activities. Remedial analysis in 2005, pilot test conducted in 2008, and full-scale remedial action report submitted 12/2009.

NOTE: Data queried and reviewed from GeoTracker in June 2010



Activities Conducted to Date Based on GeoTracker Info
T0608100912

Assessment last 5 years

- 2009: Implementation of sub-slab vapor sampling
- 2008: Installed 2 vapor wells and collected soil samples
- 2007: Installed 3 piezometers and 2 temporary vapor wells; Collected soil and soil vapor samples
- 2006: Destroyed one AVE and installed 2 SVEs

Remediation last 5 years

- 2008: Removed another UST; 5-days SVE feasibility study (removed ~376-lbs TPHP and 5.5-lbs benzene)
- 2005: Remediation screening analysis conducted.

Assessment older than 5 years

- 2004: Soil vapor survey and sensitive survey
- 2003: 5 soil borings
- 1999: 6 onsite soil borings (no GW)
- 1998: Confirmation soil samples
- 1995: 7 soil borings and 3 SVE wells (no GW encountered)
- 1994: 2 exploratory soil borings (no GW encountered)
- 1993: Soil confirmation sampling

Remediation older than 5 years

- 1998: Over-excavated gasoline UST pit to 21 feet below grade
- 1993: Soil removed – waste oil UST removal and subsequent over-excavation of east sidewall of tank cavity, UST replaced.

IMPEDIMENTS TO CLOSURE T0608100912

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

Extent of Contamination Has Not Been Determined - *Have not assessed waste oil tank release. Gasoline release (main driver) may be adequately assessed.*

Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Sub-slab vapor samples needed to confirm potential vapor intrusion risk indicated from subsurface vapor samples*

INADEQUATE SOURCE CONTROL

Remaining Source Poses Threat to Groundwater - *Residual hydrocarbons well above leaching ESLs, but depth to groundwater >196 feet.*

UNACCEPTABLE RISK

Unacceptable Risks to Human Health from Soil - *Residual hydrocarbons significantly exceed risk levels years after release*

Unacceptable Risks to Human Health from Vapor Intrusion - *Vapor samples from shallow vapor sampling wells suggest potential vapor inhalation risk*

BENEFITS OF ADDITIONAL WORK

Remove / Reduce Source Mass - *Implementation of proposed SVE should reduce risk of vapor intrusion, direct contact, and leaching to groundwater.*

Protect Designated Beneficial Uses - *May need a groundwater sample to demonstrate gasoline release did not impact groundwater (soil data suggests release may not have reached groundwater)*

Protect Human Health - *Implementation of proposed SVE should reduce risk of vapor intrusion, direct contact, and leaching to groundwater.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Undetermined	Dtw >196 feet
Indoor Air (Residential or Commercial)	Undetermined	Subsurface vapor samples suggest potential inhalation risk

Review Conclusions T0608100912

- No groundwater monitoring has been required; maximum depth explored to 196 fbg and groundwater not encountered.
- RAP for SVE submitted 12/9/2009 (auto-received submittal). Consultant requested an additional extraction well. No response from regulator in GeoTracker.
- *Discussion: Next step – how to move this case towards cleanup and closure? Has remediation begun? Approval of RAP?*

ARCO #0249 (T0608100410)
3 CALIFORNIA DRIVE, BURLINGAME, CA 94010



Case Age: 25 years
Primary COC: Gasoline
RP Identified by Regulator: Atlantic Richfield Company (a BP affiliation)
Current Land Use: Putnam Volvo

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 660026
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0431
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Lack of oversight – apparent **17 year lag** between leak reported and oversight (95 to 02) in GeoTracker
- No active remediation has occurred
- COC levels in groundwater above WQOs
- Recent reoccurrence of mobile NAPL
- SPH still present in MW-1 through MW-3



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100410)

Assessment last 5 years

- Several phases of soil borings and monitoring well installations

Remediation last 5 years

- Batch groundwater/NAPL extraction
- Adsorption well socks (“Soakease”)

Assessment older than 5 years

- Several investigations commenced in 2002

Remediation older than 5 years

- UST system removal
- Soil excavation, aeration, and reuse

IMPEDIMENTS TO CLOSURE (T0608100410)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Pollutant Sources Have Not Been Adequately Identified or Evaluated - *Nature of UST pit contamination unknown.*
- Extent of Contamination Has Not Been Determined - *Extent of contamination unassessed.*

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - *Free product remains.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *Contaminant concentrations exceed ESLs.*

BENEFITS OF ADDITIONAL WORK

- Remove / Reduce Source Mass - *Address free product.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

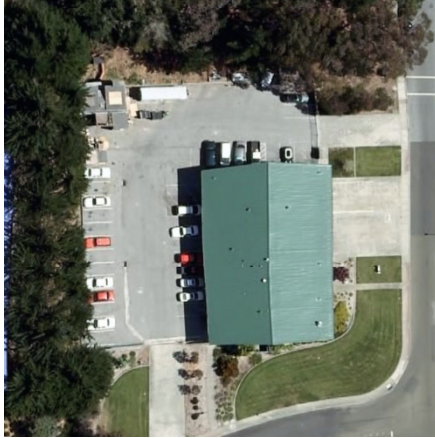
- Groundwater Already Impacted above ESLs.

Review Conclusions T0608100410

- Apparent 17 year delay in oversight according to GeoTracker records
- Recent reoccurrence of NAPL indicates greater hydrocarbon mass in soil remaining
 - e.g. source for continued groundwater impacts
- No active remediation has occurred
 - Without remediation immobile NAPL will be long term source to groundwater
 - Potential for another 5-10 years of GWM to meet WQOs without remediation
- As of October 2009 detections of GRO were at their highest historically detected levels in MW-1.
- Work Plan to fill data gaps submitted December 2009, no record in GeoTracker of data gap work plan approval.
- *Discussion: Evaluate current approach vs. possible remedial alternatives.*

Fire Station #94 (T0608100219)

444 GELLERT, DALY CITY, CA 94015



Case Age: 24 years
Primary COC: Diesel
RP Identified by Regulator: City of Daly City
Current Land Use: Fire Station

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (**LEAD**) - CASE #: 220017
 CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0230
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN



Possible Reasons Why This Case Is So Old

- Leak reported 1986, tank removed in 1998, letter sent by agency in 2001, work plan submitted in 2002,
- 1st assessment performed 2007, additional work in 2008
- Lack of Regulatory Enforcement, Government Entity Site, funding issues?

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100219)

Assessment last 5 years

- Jan. 2007 six GW monitoring wells and one soil boring were installed at the site to investigate the nature and extent of the gasoline and diesel
- June July and December 2007 GW monitoring activities were conducted

Remediation last 5 years

- None Documented

Assessment older than 5 years

- None Documented

Remediation older than 5 years

- UST Removed in 1998

IMPEDIMENTS TO CLOSURE (T0608100219)

as reported by regulatory agency

PLUME INSTABILITY

- Verification Monitoring Not Complete - *Confirm plume stability and groundwater flow direction.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *TPHd and MtBE above MCLs.*

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - *Verify estimate of extent of contamination and contaminant degradation.*

Review Conclusions T0608100219

- No active remediation at site (other than natural attenuation)
- Hottest well (MW-2) is immediately upgradient from the Fire House, but, no BTEX, minor hits of MtBE
- Minor amounts of MtBE migrated downgradient
- Site only sampled two times
- Soil and groundwater concentrations very low
- In a letter dated March 19, 2009 GPP, concurring with the site consultant, laid out 6 steps to move this site towards closure, including additional sampling, completing a sensitive receptor survey, a soil vapor assessment, and the submission of a closure summary. It was requested that the relevant documents for these steps be uploaded to GeoTracker by June 10, 2009. The RP has yet to comply.
- Potential Closure Candidate
- *Discussion: (1) RP Compliance, possible enforcement, and (2) Government entity site with potential funding issues? (3) Can site be considered for low risk closure?*

SOUTHERN PACIFIC (T0608100509)
 1001 EL CAMINO REAL, BELMONT, CA 94002



Case Age: 24 years
 Primary COC: Gasoline
 RP Identified by Regulator: Union Pacific
 Railroad Company
 Current Land Use: Public Parking

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 120005
 CASEWORKER: [JACOB MADDEN](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0533
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Lack of enforcement for recalcitrant RP
- Closure request submitted in 2005 but was denied citing need for a SCM
- Potential VI risk, post remedial groundwater monitoring, and WQOs current impediments to closure as directed by agency
- Offsite access delaying VI data collection



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100509)

Assessment last 5 years

- Semi-annual GWM (2 wells)
- Additional borings and monitoring wells, Site Conceptual Model
- Recent offsite VI and post remediation evaluation workplan submitted and approved

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Multiple soil borings and monitoring well installations
- Quarterly GWM

Remediation older than 5 years

- UST removal (both sites)
- Soil excavation and disposal (both sites)

IMPEDIMENTS TO CLOSURE (T0608100509)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Incomplete Conceptual Site Model (CSM) - *Vapor Risk undefined*

PLUME INSTABILITY

- Verification Monitoring Not Complete - *WP for verification that offsite plume is not posing vapor risk to offsite businesses was approved. Offsite access issues have stalled work.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *27,000 ppb TPH-G, Need to demonstrate that WQO's will be met in reasonable amount of time.*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Vapor Intrusion - *Potentially, Need verification*
- Other - *Risks are currently unknown*

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - *Demonstrate WQO's will be met in reasonable amount of time.*
- Protect Human Health - *Perform vapor sampling to evaluate potential pathway*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

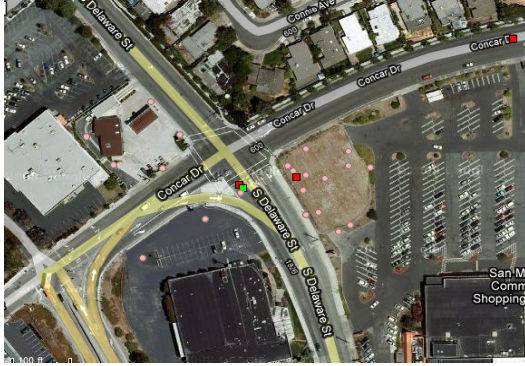
- Groundwater Already Impacted Yes
- Indoor Air (Residential or Commercial) Undetermined WP overdue

Review Conclusions T0608100509

- Apparent 9 year delay by agency from 1995 – 2004. Warning letter to comply sent in April 2010, but with no hard deadline given for response. Is RP recalcitrant or are there other issues?
- Insufficient data in GeoTracker i.e. no GWM reports?
- Site adequately investigated in past
 - However, current well network (2) insufficient to monitor existing plume
- Current interest in offsite VI risk and current snapshot of onsite groundwater quality in areas formerly remediated are warranted
 - Site to remain a parking lot for the foreseeable future
 - Hypothetical onsite VI risk may not be an impediment to closure
- Additional data review e.g. GWM reports, isoconcentration figures, etc warranted to address closure potential
- **Potential closure candidate**
- *Discussion: Benefits of Continued Assessment vs. Low Risk Closure?*

EXXON 7-4135 SM (T0608100205)

1801 S. Delaware St., San Mateo, CA 94002



Case Age: 24 years

Primary COC: Gasoline

RP Identified by Regulator: ExxonMobile

Current Land Use: Vacant

OPEN - REMEDIATION

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 110018

CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0215

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN**Possible Reasons Why This Case Is So Old**

- Groundwater plume not defined
- Recent focus on soil gas has raised new concerns, however no VI risk appears to exist be associated with current land use
- Remedial verification still pending
- COC concentrations above MCLs



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100205)

Assessment last 5 years

- RBCA
- CAP/RAP – Feasibility Study
- Risk Assessment
- SCM/CUGs
- 2010 Work Plan for additional excavation, plume definition, and soil gas investigation

Remediation last 5 years

- 2008 Excavate and Dispose

Assessment older than 5 years

- Several phases of soil and groundwater investigations
- Monitoring well installations

Remediation older than 5 years

- Soil excavation and disposal (2,450 cubic yards)
- NAPL removal
- Groundwater P&T
- Enhanced bioremediation

IMPEDIMENTS TO CLOSURE (T0608100205)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *Potential soil vapor contamination unassessed.*

PLUME INSTABILITY

- Verification Monitoring Not Complete - *Remedial effectiveness needs further verification.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *MtBE, benzene, and TPHg exceed MCLs.*

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - *Understand potential soil vapor contamination.*
- Verify Remedial Action Effectiveness - *Verify effectiveness of excavation activities.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted above MCLs.

Review Conclusions T0608100205

- Apparent 15 year delay in enforcement according to GeoTracker
- 23 years post leak reported, groundwater plume still not defined?
- Initial NAPL removal and groundwater P&T was ineffective i.e. low mass removed
- Agency requests soil gas investigation
 - Site remains a vacant lot with no known redevelopment plans to base investigation
 - Currently no VI risk to any sensitive receptors
 - Report of additional investigations due in September 2010
- Unless active remediation is implemented, site could remain open for years given hydrologic and chemical conditions, although current risk to any receptors is low
- Potential closure candidate
- *Discussion: Benefits of Continued MNA/Passive Remediation vs. Low Risk Closure? How can we speed this one up? What and where are the sensitive receptors?*

Oak Knoll Station (T0608100360)

590 CANYON ROAD, REDWOOD CITY, CA 94062



Case Age: 21 years
 Primary COC: DIESEL
 RP Identified by Regulator: Hung Tran,
 Mohammed & Golnaz Nazemi, Ali & Shirin
 Nazeimian, Akbar & Mary Nazemian, Abbas
 Ali Nazemi and Pamela Rollins
 Current Land Use: GAS STATION

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 330061

CASEWORKER: [DENO MILANO](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0379

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Limited historical enforcement
- Activities conducted to date have been insufficient to characterize site – **16 year gap**
- Recent submittals by various consultants have been poor and have resulted in NOVs and delays to project progress

NOTE: Data queried from GeoTracker and reviewed in June 2010



Activities Conducted to Date Based on GeoTracker Info (T0608100360)

Assessment last 5 years

- 2008 Site assessment
- 2009 Workplan submitted for additional site assessment, however, the agency found several issues with WP, and several NOVs have been issued in relation to the WP. Implementation is now pending.

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- 1992 Site assessment and Monitoring well installation
- Quarterly GWM 1994 to 1995

Remediation older than 5 years

- 1992 UST system removed and replaced
- 1992 Soil excavation and disposal

IMPEDIMENTS TO CLOSURE (T0608100360)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - *Have not assessed extent, stability, and impact of dissolved-phase hydrocarbons and potential preferential migration and impact to subsurface utilities*

PROCEDURAL IMPEDIMENTS

- Non-Responsive and / or Recalcitrant Responsible Party - *RP has been issued many NOVs for not performing required corrective action by established deadlines*

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Need to assess extent, stability, and impact of contamination to determine if active remediation is necessary to protect public health or environment.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted

Notes

- MW-1 is currently the only monitoring well at this time and it does not appear suitably constructed to yield representative groundwater samples

Review Conclusions T0608100360

- 13 year gap between initial and follow up regulatory letters
- 16 year gap between first (and only) monitoring well and follow up phase of subsurface investigation conducted
- Only one well monitors groundwater, and it is improperly screened
- No active remediation has occurred
- Multiple RPs have been identified
- Current work plan for additional investigation has been conditionally approved, however, incomplete with many comments by agency
- Case delays are combination of lack of initial oversight followed by poor consulting
- **Case is NOT a potential closure candidate** until adequately investigated
- *Discussion: Necessary steps to get case on path to closure?*

Daly City Waste Water Plant (T0608100181)

153 Lake Merced, Daly City, CA 94015



Case Age: 20 years
 Primary COC: Gasoline and Diesel
 RP Identified by Regulator: City of Daly City
 Current Land Use: Waste Water Treatment Plant

Possible Reasons Why This Case Is So Old

- No site activity since 1998. Government entity site, funding and oversight issues?
- Years between site assessments, and NO MONITORING WELLS have been installed .
- No documented enforcement 1992 to 1998, 1998 to 2003 and 2003 to 2008.

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 220029

CASEWORKER: [AMY DEMASI](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0190

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100181)

Assessment last 5 years

- NONE DOCUMENTED, work plan was submitted for additional assessment on 12-13-2009, no report has been submitted for this work.

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Site investigations conducted in 1990, 1991, 1997, 1998

Remediation older than 5 years

- Excavate and dispose conducted in 1990 and 1998
- USTs removed and replaced in 1998

IMPEDIMENTS TO CLOSURE (T0608100181)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Extent of TPHd and diesel contamination in soil and soil vapor undefined.*

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - *Determine remaining extent of soil contamination and soil vapor risk.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Indoor Air (Residential or Commercial) Undetermined potential for impact unassessed.

Review Conclusions T0608100181

- Work plan was submitted in December 2009, however, there is no indication that it was ever carried out.
- Case has aged for years between enforcement letters.
- More than 12 years has elapsed since the last data was collected for this site
- No monitoring wells have been installed to date, not sure about groundwater impact.
- *Discussion: (1) Why case has been open 20 years without monitoring well(s) being installed? Is groundwater threat not a problem? (2) How do we get it on the path to closure?*

CANADA COLLEGE (T0608100102)

4200 FARM HILL BOULEVARD, REDWOOD CITY , CA 94061



Case Age: 19 years
Primary COC: GASOLINE
RP Identified by Regulator: Danny Glass (San Mateo Co. Community College District)
Current Land Use: Not Changed

OPEN - SITE ASSESSMENT

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 330084
 CASEWORKER: [DENO MILANO](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0107
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDRGREN

Possible Reasons Why This Case Is So Old

- Lack of active investigation or remediation by RP
- Completed investigations were poorly performed and incomplete
- Non-responsive RP, school site, which may indicate funding issues?



NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0608100102

Assessment last 5 years

- Soil evaluation in 2008.
- No groundwater monitoring has occurred.

Remediation last 5 years

- NONE

Assessment older than 5 years

- Soil samples collected after removal of USTs.

Remediation older than 5 years

- 1991 Tank Removal report referenced in 2006 work plan : UST removal & disposal
- Groundwater pump and treat
- cleanup action 5/1/1991 (not documented)
- Excavate and treat groundwater cleanup action 5/22/1991 (not documented)

IMPEDIMENTS TO CLOSURE T0608100102

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

Extent of Contamination Has Not Been Determined - *Have not assessed vertical and lateral extent of diesel and gasoline impact in soil, especially along fill/bedrock interface.*

Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Have not demonstrated if releases could impact groundwater. Have not demonstrated if hydrocarbon-affected groundwater encountered at 13 fbg in 1991 is perched or was a temporary condition related to diesel UST removal. Other - Have not demonstrated soil used to backfill gasoline tank cavity is environmentally suitable*

PROCEDURAL IMPEDIMENTS

Non-Responsive and / or Recalcitrant Responsible Party - *RP has taken five years to implement last phase of required work*

Other Impediments

Discrepancies between volume of soil reportedly stockpiled and volume of soil reportedly hauled to a disposal facility. No analytical reported for hauled soil.

BENEFITS OF ADDITIONAL WORK

Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Completing assessment of hydrocarbon-affected soil and determining if groundwater could be impacted is central to satisfying low-risk case closure*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR TIME FRAME FOR IMPACT COMMENTS Groundwater Undetermined Need to evaluate gw or demonstrate soil impact will not leach to gw

Review Conclusions T0608100102

- Limited information and site history in GeoTracker, i.e. no UST removal report.
- Validity of soil excavation/stockpiled soil and disposal details are questionable. (Investigation delayed approximately 5 years by RP. Investigation deemed poorly performed and incomplete.)
- Groundwater has not been investigated. Closure Review indicates, *“have not demonstrated if releases could impact groundwater. Have not demonstrated if hydrocarbon-affected groundwater encountered at 13 fbg in 1991 is perched or was a temporary condition related to diesel UST removal.”*
- RP appears recalcitrant – see multiple notice of violations. Last correspondence, from regulator, regarding comments from 10/2008 assessment report, which was deemed not reasonable.
- *Discussion: Next step – how to move this case towards cleanup closure? Enhanced enforcement, find funding for school site?*

PACIFIC INSULATION (T0608100381)

149 SOUTH, SAN MATEO , CA 94401

**Case Age: 19 years****Primary COC: GASOLINE****RP Identified by Regulator: Estate of Ward Anderson, c/o Ms. Ramona Martinez****Current Land Use: Commercial in a mixed residential area****OPEN - REMEDIATION****CLEANUP OVERSIGHT AGENCIES**

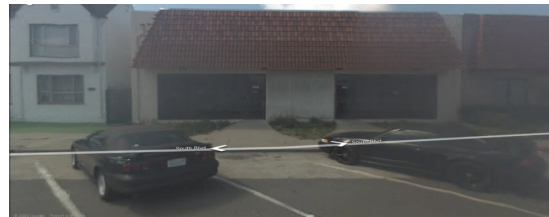
SAN MATEO COUNTY LOP (LEAD) - CASE #: 110061

CASEWORKER: [MARC MULLANEY](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0400

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN**Possible Reasons Why This Case Is So Old**

- Site monitored by one well for seven years before additional work completed – plume definition still incomplete 19 years later.
- No remedial considerations until 2005.
- Insufficient response by RPs and incomplete submittals by consultant.
- Multiple RPs over time, current issues identifying RPs.



NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info**T0608100381****Assessment last 5 years**

- Semi-annual GWM, last EDF from samples collected in 1/2008
- Feasibility study 8/2005
- CAP/RAP - Feasibility Study 11/2007

Remediation last 5 years

- Ozone Injection Pilot Study – system on periodically from 7/2008 to 9/2008 due to system shut-downs

Assessment older than 5 years

- Phase I and Phase II for this site other locations in the vicinity
- 1992: Tank pit grab groundwater sample
- Initial monitoring well installation (1)
- Seven (7) years later soil borings 2001 and additional monitoring wells in 2002 and 2003
- Soil gas investigation in 2004
- GWM

Remediation older than 5 years

- UST system removal in 1991
- Soil excavation and disposal in 1992

IMPEDIMENTS TO CLOSURE T0608100381

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Cleanup goals not established to determine the remainder/amount of remedial work to be completed.*

PLUME INSTABILITY

Verification Monitoring Not Complete - *Cleanup goals not established to determine the remainder/amount of remedial work to be completed.*

GROUNDWATER IMPACTS

Groundwater Impacted Above Other Cleanup Goal - *Successful pilot test reduced contamination to a point that requires the development of cleanup goals which are requested by the LOP.*

UNACCEPTABLE RISK

Unacceptable Risks to Human Health from Soil - *Successful pilot test reduced contamination to a point that requires the development of cleanup goals which are requested by the LOP.*

Unacceptable Risks to Human Health from Vapor Intrusion - *Soil vapor has not been adequately characterized post pilot test.*

BENEFITS OF ADDITIONAL WORK

Verify Remedial Action Effectiveness - *Successful pilot test reduced contamination to a point that requires the development of cleanup goals which are requested by the LOP.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	yes

Review Conclusions T0608100381

- Site monitored by one well for seven years before additional borings and minimum well network installed to minimally define site. No remedial evaluations until 2005 (ozone pilot test conducted in 2008.)
- Site investigation activities to date have been insufficient and not in full compliance of regulator requests/expectations. Plume definition is incomplete. Soil gas results reportedly not properly validated; results are questionable.
- Regulator requested cleanup goals on 6/18/2009, which includes comparison of ESLs, a rose diagram, pilot test addendum, proposal of data gaps assessment, additional pilot testing, vapor sampling, etc.
- Additionally, issue with multiple RPs may be slowing progress. Last EDF submitted was for first quarter 2008, but report submitted for first semi-annual 2009 GWMR in 6/4/2009; elevated concentrations of TPHg and MtBE detected.
- *Discussion: Next step – how to move this case towards cleanup closure? Issues with RPs resolved? Enhanced enforcement?*

Skylonda Corners (T0608100574)

17288 Skyline, Woodside, CA 94062



Case Age: 26 years Initial complaint dated 11-6-1984
RP Identified by Regulator: Leonie Atherton
-UNCLAIMED IN GEOTRACKER
Primary COC: Gasoline
Current Land Use: Alice's Restaurant

<i>OPEN - VERIFICATION MONITORING</i>
CLEANUP OVERSIGHT AGENCIES
SAN MATEO COUNTY LOP (LEAD) - CASE #: 650004
CASEWORKER: DENO MILANO - SUPERVISOR: GREG SMITH
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0602
CASEWORKER: NANCY KATYL - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Years passed between submittals of any kind to agency or by agency
- Often gaps of 4 to 6+ years between regulatory letters
- Site may be on LOP closure list, pending monitoring well destruction.

NOTE: Data queried and reviewed from GeoTracker in June 2010



Activities Conducted to Date Based on GeoTracker Info T0608100574

<p><u>Assessment last 5 years</u></p> <ul style="list-style-type: none"> • None 	<p><u>Remediation last 5 years</u></p> <ul style="list-style-type: none"> • None
<p><u>Assessment older than 5 years</u></p> <ul style="list-style-type: none"> • None 	<p><u>Remediation older than 5 years</u></p> <ul style="list-style-type: none"> • Excavate & Treated soil twice in 1992

IMPEDIMENTS TO CLOSURE T0608100574

as reported by regulatory agency

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Site on LOP case closure review listing*

Other Impediments

- Key reports missing from LOP files inhibits LOP from evaluating if site satisfies RWQCB low-risk case closure

BENEFITS OF ADDITIONAL WORK

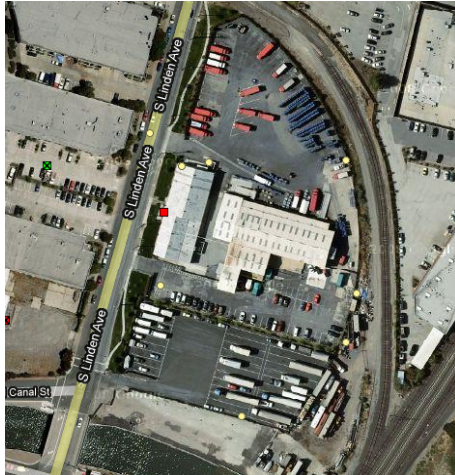
- Other - *Provide complete record of past work to determine if site conditions satisfy RWQCB low-risk case closure criteria*

Review Conclusions (T0608100574)

- No documents have been uploaded to GeoTracker by the RP
- Site is on LOP closure list, but, no data supporting closure or additional work
- Possibly a recalcitrant RP due to gaps in data and gaps in time when data was submitted.
- Case notes indicate that the site was foreclosed on in 1995, and that one of the listed RPs may be deceased.
- In Feb 2010, the regulator requested additional site assessment be conducted to address diesel contamination in the subsurface along Blakewood Way as a condition for site closure. The work was to be performed and posted to GeoTracker by April 30. The RP has not complied.
- Potential closure candidate
- *Discussion: (1) Next step – how to move case towards cleanup closure, (2) Additional Assessment?, (3) RP compliance (4) well destruction and (5) close case?*

Union Carbide Corp. (T0608100558)

7 SOUTH LINDEN AVE, S. San Francisco, CA 94080



Case Age: 23 years
 Primary COC: GASOLINE
 RP Identified by Regulator: Praxair, Inc.
 Current Land Use: Commercial/Industrial

OPEN - REMEDIATION

CLEANUP OVERSIGHT AGENCIES

SAN MATEO COUNTY LOP (LEAD) - CASE #: 550001
 CASEWORKER: [JACOB MADDEN](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0584
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- Multiple COCs and source areas
- Implementation of recently approved RAP delayed due to access negotiations
- Delays in oversight, letter in 2008 required RAP from 2006 to be implemented “as soon as possible” with no date for submittal. Over 4 years since RAP submittal, no report.



NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100558)

Assessment last 5 years

- Semi-annual GWM
- Passive soil-gas sampling
- Additional monitoring well installation
- Health Risk Assessment
- CAP/RAP-Feasibility study

Remediation last 5 years

- NONE DOCUMENTED

Assessment older than 5 years

- Soil borings/monitoring wells
- Quarterly GWM

Remediation older than 5 years

- UST removals, soil excavation/disposal
- Lime pond excavation
- SVE/GWE/DPE

IMPEDIMENTS TO CLOSURE (T0608100558)

as reported by regulatory agency

INADEQUATE SOURCE CONTROL

- Other - ISCO injection approved to remediate source. Report due 12/06. RP is significantly out of compliance with respect to implementation of RAP. Permits for work approved in 2009 permits extended into 2010.

PLUME INSTABILITY

- Verification Monitoring Not Complete - Upon completion of Remediation

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - Soil and GW impacted above site-specific clean-up goals. Remediation is approved. Should occur in 2009

UNACCEPTABLE RISK

- Other - Remediation should mitigate potential risks. To be verified

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - After remediation.
- Remove / Reduce Source Mass - Remediation to occur in 2010.
- Protect Human Health - Verify after remediation.

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

- Groundwater Already Impacted Gasoline, Acetone

Review Conclusions T0608100558

- Apparent 16 year delay by agency
- The 2006 Workplan states that there are 31 COCs at this site. Only Gasoline as listed as a COC in Geotracker. These additional COCs include acetone, naphthalene, vinyl chloride and other solvents.
- Site has multiple source areas, including 2 UST areas, a compressor area, and a former "Lime Pond"
- RAP implementation delayed due to access negotiations
 - RAP submitted in 2006
 - Adequate enforcement?
- **Not a potential closure candidate**
- *Discussion: How to move site towards Closure? Appears to be stuck at present.*

WhereHouse Entertainment (T0608100618)

1934 S. El Camino Real, San Mateo, CA 94403



Case Age: 23 years
 Primary COC: Gasoline
 RP Identified by Regulator: Patson
 Development Company
 Current Land Use: Retail

OPEN - SITE ASSESSMENT**CLEANUP OVERSIGHT AGENCIES**

SAN MATEO COUNTY LOP (LEAD) - CASE #: 110003

CASEWORKER: [MARC MULLANEY](#) - SUPERVISOR: GREG SMITH

SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0649

CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN**Possible Reasons Why This Case Is So Old**

- Possible lack of funds or cleanup funding status not resolved
- Agency received FS/Cap in 2006, but never reviewed it, new FS/CAP due August 15, 2010 (additional 4 years passed)
- Lack of enforcement by agency, potential recalcitrant RP?

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608100618)

Assessment last 5 years

- Groundwater sampling, sporadic at best, FS CAP submitted in 2006, but never reviewed by agency.
- Report due by February, 2010, but not in GT

Remediation last 5 years

- NONE DOCUMENTED, but a Sub Slab Vapor Mitigation System was installed in 2006

Assessment older than 5 years

- Site Conceptual Model Report submitted 2004 (referenced, but not seen in GeoTracker)
- Limited Data for Site, some monitoring data from 2001/2002 is available in GeoTracker but no reports.
- Groundwater monitoring was conducted 1999-2000, and again in 2004
- Monitoring wells installed and sampled in 1995, 1998, & 1999
- Site investigations were conducted in 1988, 1990, 1991, 1992, 1993, & 1996

Remediation older than 5 years

- USTs, piping and dispensers removed from site in 1979 (reports not on file with GeoTracker)
- Excavation conducted in 1994, some soil was treated on site, while some was disposed of off site
- Excavate and treat conducted in 1993

IMPEDIMENTS TO CLOSURE (T0608100618)

as reported by regulatory agency

GROUNDWATER IMPACTS

- Groundwater Impacted Above Other Cleanup Goal - *Groundwater is significantly above ESLs*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Vapor Intrusion - *Last communication in the file suggests that VI into the buildings is an existing risk.*

PROCEDURAL IMPEDIMENTS

- Non-Responsive and / or Recalcitrant Responsible Party - *Nothing appears to have been done since 2006. Meeting on 12/1/09 with RP indicated that groundwater monitoring will begin in December and that a review of the previously submitted CAP will be performed based on the data.*

BENEFITS OF ADDITIONAL WORK

- Remove / Reduce Source Mass - *Remediation seems to be warranted to reduce VI issues*
- Protect Designated Beneficial Uses - *Groundwater is significantly above ESLs*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

Groundwater Already Impacted yes

Indoor Air (Residential or Commercial) Already Impacted complete pathway for existing building seems proven from 2006

Review Conclusions T0608100618

- Gas Station ceased operation at the site in 1979
- Site was heavily characterized from 1988 to approximately 1999 when the new structure was erected on site. Since then monitoring has been sporadic and no new assessment or remediation has been conducted with the exception of the Sub Slab Vapor Mitigation System which was installed in April 2006, not operated.
- 9,000 ug/L Benzene was detected during 2002 sampling event
- Erratic sampling schedule, with long periods of time between sampling events at site
- FS/CAP to prevent potential indoor vapor intrusion was required to be submitted by **March 1, 2006**. FS Cap was submitted, but never reviewed.
- In December 2009 meeting, was discussed that monitoring would resume, reports due February, 2010, no record in GeoTracker
- From letter by SM-LOP dated 12-4-2009:

“It was also noted that the requested FS/CAP was received on June 12, 2006 in GeoTracker but never reviewed at the Responsible Parties request, pending legal issues regarding Fund eligibility. As discussed in the meeting the fourth quarter sampling event report is due 45 days after the sampling event and no later than **February 15, 2010**. **The results of this groundwater** sampling event are to be used to modify or replace the June 12, 2006 *Draft Feasibility Study/Corrective Action Plan.*”
- Also from the SM-LOP letter dated 12-4-2009:

“Please submit the above requested FS/CAP electronically to the SWRCB GeoTracker website by **August 15, 2010**.
- *Discussion: If VI is the risk, why has so much time been allowed to pass? How to move site forward?*

Nor-Cal Sunset Scavenger (T0608101010)

0 TUNNELL & BEATTY, SAN MATEO, CA 94005



Case Age: 21 years
 Primary COC: Diesel
 RP Identified by Regulator: SF RECYCLING AND DISPOSAL, INC.
 Current Land Use: Vehicle Maintenance

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 550048
 CASEWORKER: [AMY DEMAS](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-1100
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Cleanup Status History	
DATE	STATUS
2/23/1988	Open - Verification Monitoring
2/23/1988	Open - Case Begin Date

Possible Reasons Why This Case Is So Old

- Persistent free product on-site
- Agency requesting analysis for PAHs be conducted
- Case is the last open case in a larger 40 acre site that straddles the San Francisco San Mateo County Border

NOTE: Data queried from GeoTracker and reviewed in June 2010

Activities Conducted to Date Based on GeoTracker Info (T0608101010)

Assessment last 5 years

- Groundwater Monitoring is Ongoing

Remediation last 5 years

- Passive skimmers used for NAPL recovery 1996 to Present
- Total product recovered through 12-09 131.75 gallons

Assessment older than 5 years

- Periodic Groundwater Monitoring since 1994

Remediation older than 5 years

- Passive skimmers used for NAPL recovery 1996 to Present

IMPEDIMENTS TO CLOSURE (T0608101010)

as reported by regulatory agency

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *No analyses of PAHs.*

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - *Free product remains.*

PLUME INSTABILITY

- Verification Monitoring Not Complete - *Final verification of degradation pending.*

GROUNDWATER IMPACTS

Groundwater Impacted Above Other Cleanup Goal - *TPHg and TPHd exceed MCLs.*

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Need to verify that monitoring network is adequate and determine whether PAHs are present and in what quantity.*
- Remove / Reduce Source Mass - *Evaluate free product removal.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

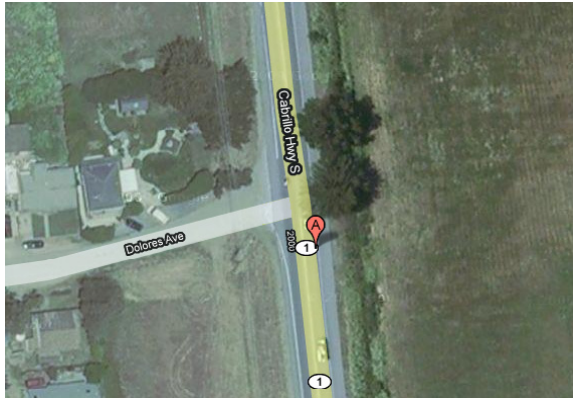
- Groundwater Already Impacted above MCLs.

Review Conclusions T0608101010

- In March 2009, consultant began using a Keck Passive Skimmer which recovered 10-gal of free product in first 6-months.
- GWM result from December 2009 showed TPH-d, TPH-mo and TPH-g at maximum levels of 3600 µg/L, 800 µg/L, and 160 µg/L, respectively; and NDs for BTEX and MTBE.
- Free Product is still present as a Sheen in extraction wells EW-1 and EW-2
- Property down gradient from the site is the Closed Brisbane Landfill, which has it's own groundwater contamination issues, and is currently monitored.
- Site closure review page in GeoTracker lists a lack of analysis for PAHs (after 21 years) as a reason case is not ready for closure with determination of the presence of PAHs as one of the benefits of additional work. Why are PAHs a concern now? Has a directive letter been sent to the RP notifying them of this requirement? If so, did not see it in GeoTracker?
- *Discussion: (1) Other Remedial options? (2) Conditions for Low risk Closure?*

CALTRANS MAINTENANCE FACILITY (T0608100685)

2003 SOUTH CABRILLO HIGHWAY, HALF MOON BAY , CA 94019



Case Age: 17 years
Primary COC: GASOLINE
RP Identified by Regulator: CALTRANS
Current Land Use: Undetermined

OPEN - VERIFICATION MONITORING

CLEANUP OVERSIGHT AGENCIES
 SAN MATEO COUNTY LOP (LEAD) - CASE #: 230025
 CASEWORKER: [AMY DEMAS](#) - SUPERVISOR: GREG SMITH
 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 41-0723
 CASEWORKER: [NANCY KATYL](#) - SUPERVISOR: ANDERS LUNDGREN

Possible Reasons Why This Case Is So Old

- No submittals, limited site history; conclusions cannot be determined.
- Recalcitrant RP and based on closure review, "previous recommendations unaddressed"
- Limited oversight in GeoTracker, 16 years between regulator letters (1993 then, 2009)



NOTE: Data queried and reviewed from GeoTracker in June 2010

Activities Conducted to Date Based on GeoTracker Info

T0608100685

<p style="text-align: center;"><u>Assessment last 5 years</u></p> <ul style="list-style-type: none"> • NONE DOCUMENTED 	<p style="text-align: center;"><u>Remediation last 5 years</u></p> <ul style="list-style-type: none"> • NONE DOCUMENTED
<p style="text-align: center;"><u>Assessment older than 5 years</u></p> <ul style="list-style-type: none"> • NONE DOCUMENTED 	<p style="text-align: center;"><u>Remediation older than 5 years</u></p> <ul style="list-style-type: none"> • Excavate and dispose (1/1/1965)

IMPEDIMENTS TO CLOSURE T0608100685

as reported by regulatory agency

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Previous recommendations unaddressed.*

GROUNDWATER IMPACTS

Groundwater Impacted Above Background - *No recent groundwater data available but contamination expected to exceed background.*

BENEFITS OF ADDITIONAL WORK

Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Determine threat to surface water and whether previously recommended removal actions are necessary.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	

Review Conclusions T0608100685

- Groundwater monitoring frequency review indicates 4 wells sampled annually, but no ESI submittals or reports. Resolution 2009-042 letter uploaded from regulator, but nothing else.
- Closure review indicates a recalcitrant RP; *“previous recommendations unaddressed,” and “No recent groundwater data available but contamination expected to exceed background.”*
- Discussion: *Next step – how to move this case towards cleanup closure? Enforce ESI compliance? Recommend confirmation sample and/or site assessment? Refer case to RWQCB?*