



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
Underground Storage Tanks Program Office
75 Hawthorne Street (WST-8)
San Francisco, CA 94105**

October 05, 2011

Mr. Brian Newman

Chief – UST Unit

Central Valley Regional Water Quality Control Board – Sacramento Office

11020 Sun Center Drive, Suite 200

Rancho Cordova, CA 95670-6114

Subject: Submission of Final Report – Review of Leaking Underground Storage Tank (LUST) Cases, Non Clean-up Fund, Open > 15 Years, Not Ready for Closure as Follow-up to July 14 and 19, 2011 Meetings.

Dear Mr. Newman:

We are sending you the enclosed copy of the Final Report – *Review of Leaking Underground Storage Tank (LUST) Cases, Non Clean-up Fund, Open > 15 Years*, for your files. This final report includes revisions of this report has also been sent to the State Water Resources Control Board (SWRCB). This report was prepared as an “In-Kind” task and part of a cooperative agreement between USEPA Region 9 and the SWRCB.

We appreciate the timeliness and professionalism you and your agency afforded us in the interview and draft report review process.

If you have any questions related to this matter, you can contact me at: (415) 972-3530 or via email at Coffman.Joel@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Joel Coffman".

Joel Coffman, P.G.

Environmental Scientist

Underground Storage Tanks Program

Attachments: Final Report

Cc: Kevin Graves, California State Water Resources Control Board
Steven Linder, USEPA Region 9

Final

October 05, 2011

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

Central Valley – Regional Water Quality Control Board (CV-RWQCB) Region 5 – Sacramento (5S) Cases

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

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Executive Summary

The Draft version of this report was submitted on November 26, 2010, with a request for a follow-up meeting and input from Central Valley, Sacramento (Region 5S) – Regional Water Quality Control Board (RWQCB) into the “Next Steps for Agency” column of the case cleanup status spreadsheet.

The lead agency met with USEPA Region 9 and its contractor, Tetra Tech, Inc., on July 14 and 19, 2011 to discuss the draft report and the agency’s next steps for each case. The agency acknowledged several challenges with these cases. A few of the challenges mentioned by Central Valley, Sacramento –RWQCB (Region 5S) and conclusions from the meeting are:

- Six (6) cases were closed – originally, two (2) cases in “Unable to determine” status, two (2) cases in “appears to be stuck” status, and two (2) cases in “close to completion” status.
- The number of cases “appears to be stuck” reduced from nine (9) to two (2) cases. The two cases that remained stuck were due to recalcitrant RPs (not responding). The remaining cases were either closed (2 cases), close to completion, or on track (got into cleanup fund, or has on-going site remediation).
- Three (3) cases received some form of assistance in funding.
- The nine (9) cases that were originally deemed “Unable to determine (insufficient information in GeoTracker)” have all been resolved, as follows:
 - ✓ Two (2) cases were closed
 - ✓ Two (2) cases are on track
 - ✓ Five (5) cases are likely near completion within 1-year
- Majority of the seventeen (17) cases that were on track remained on track (13 cases) to cleanup, while 3 cases were closed and one case became stuck due to RP’s funding issue.
- Majority of the apparent types of RPs for the 45 cases reviewed are as follows:
 - ✓ Government Entity (including School, Hospital and Utility) (56%)
 - ✓ Small Private Business (20%)
 - ✓ Major Oil Company (13%)
 - ✓ Others (Individual, Homes etc.) (11%)

In addition, Central Valley, Sacramento RWQCB (Region 5S) indicated that the agency:

- was not the original lead agency on some old cases since the tanks were removed (cases were transferred from other lead agencies)
- hired students to assist in maintaining GeoTracker database
- prioritizes its cases based on: (1) environmental impact, (2) political situation, and (3) age of case (older cases)
- has lab funding available to collect and conduct sampling, if necessary
- issues Order to recalcitrant RPs to get the RPs to respond

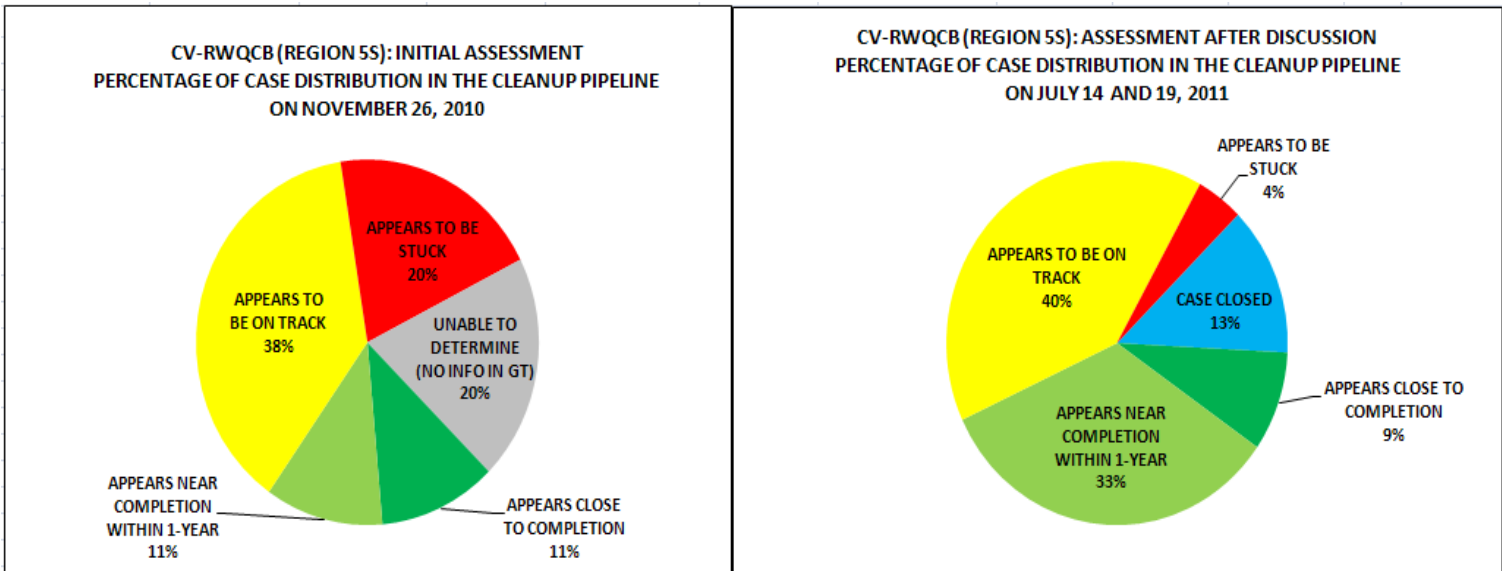
Central Valley, Sacramento (Region 5S) – Regional Water Quality Control Board (RWQCB)

Apparent Case Status – Initial Review and After Discussion with Agency

TOTAL NUMBER OF CASES REVIEWED = 45 CASES
 NUMBER OF ACTIVE LUST CASE ON NOVEMBER 24, 2010 = 554 CASES
 DRAFT REVIEW REPORT PREPARED AND SENT TO AGENCY ON NOVEMBER 26, 2010
 HAD TWO (2) MEETINGS WITH THE AGENCY TO DISCUSS CASES REVIEWED ON JULY 14 AND 19, 2011

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

Apparent Case Status	Initial Assessment Number of Cases (11-26-2010)	Post Meeting Assessment Number of Cases (07-14 and 07-19-2011)
CASE CLOSED	0	6
Appears close to completion	5	4
Appears near completion within 1-year	5	15
Appears to be on track	17	18
Appears NOT to be on track	0	0
Appears to be stuck	9	2
Unable to determine (Insufficient information in GeoTracker)	9	0
NOT A FEDERAL UST CASE	0	0



**CASE REVIEW SUMMARY TABLE
(CV-RWQCB REGION 5S)**

ESTIMATED STATUS IN THE CLEANUP PIPELINE? (11-26-2010)	ESTIMATED STATUS IN THE CLEANUP PIPELINE? (BASED ON MEETING WITH AGENCY ON 07-14-2011 and 07-19-2011)	SITE NAME (CASE LEAD AGENCY: CENTRAL VALLEY RWQCB - REGION 5S)	GLOBAL ID	CASEWORKER	PRIMARY COC (in GeoTracker)	APPARENT TYPE OF RP	RELEASE DATE	DISCUSSION NOTES FROM MEETING (07-14-2011 and 07-19-2011)	NEXT STEP FOR AGENCY
Appears close to completion	Appears close to completion	GAS N SAVE (ARMOUR OIL)	T0611300001	DAVID STARVAREK	Gasoline	U - Unknown	8/7/1984	* In the process of completing site closure * Well decommission - waiting on County to decide how to allow well destruction	Complete closure process in 1-year (includes well decommission)
Appears close to completion	Appears close to completion	CITY HALL- POLICE STATION	T0605700003	MICHAEL SMITH	Gasoline	G - Government Entity (include School, Hospital, Utility)	10/1/1986	* Vapor intrusion survey in building revealed NDs * Waiting for low-risk policy to complete site closure * Small plume (benzene and TPH-g) that is tough to address	Complete closure process in 1-year (includes well decommission)
Appears close to completion	Appears close to completion	COLFAX HIGH SCHOOL	T0606100029	PAUL SANDERS	Gasoline	G - Government Entity (include School, Hospital, Utility)	9/16/1987	* Pulled a new tank * Will complete site closure	Complete closure process in 1-year (includes well decommission)
Appears close to completion	Appears near completion within 1-year	BUFFALO TANK CORP	T0607700624	JAMES BARTON	Gasoline	S - Small Private Business	6/30/1993	* Site closure delayed by administration * Waiting for workplan to decommission well; likely to close within 1-year * EAR account	Complete closure process in 1-year (includes well decommission)
Appears close to completion	CASE CLOSED (12/10/2010)	GREYHOUND LINES	T0611300203	DAVID STARVAREK	Diesel	G - Government Entity (include School, Hospital, Utility)	9/18/1995	CASE CLOSED (12/10/2010)	CASE CLOSED (12/10/2010)
Appears near completion within 1-year	Appears near completion within 1-year	TUOL MDWS FUEL STN[UST# 39,76]	T0610900049	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	10/24/1991	* Monitoring trend decreasing * TPH-g (35,000-ppm) in near field and benzene (40-ppb) in far field * Complete site closure within 1-year	Complete closure process in 1-year (includes well decommission)
Appears near completion within 1-year	CASE CLOSED (05/12/2011)	YOLO COUNTY FAIR	T0611300149	DAVID STARVAREK	Gasoline	G - Government Entity (include School, Hospital, Utility)	8/19/1992	CASE CLOSED (05/12/2011)	CASE CLOSED (05/12/2011)
Appears near completion within 1-year	Appears near completion within 1-year	KELLEY MOTORS	T0610900090	PETER MINKEL	Gasoline	S - Small Private Business	6/6/1995	* Site has waste oil tank with solvents; TPH at 30-ppb, PCE, 1,2-DCA * Will complete site closure for the petroleum UST part	Complete closure process in 1-year (includes well decommission)

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Appears near completion within 1-year	Appears near completion within 1-year	NACO WEST - YOSEMITE LAKES	T061090093	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	9/8/1995	* In the process of site closure - public participation letter	Complete closure process in 1-year (includes well decommission)
Appears near completion within 1-year	Appears near completion within 1-year	ESPARTO CORPORATION YARD	T0611300196	DAVID STARVAREK	Gasoline	G - Government Entity (include School, Hospital, Utility)	5/3/1995	* Possible enforcement order later this year * RP has budget/funding issue * More than 10-years of site assessment/remediation * Site has little MTBE and is localized (has downgradient well) - possible low risk closure	Complete closure process in 1-year (includes well decommission)
Appears to be on track	Appears to be on track	GASAMAT #952	T0610100080	JAMES BARTON	Gasoline	Z - Major Oil Company	8/5/1998	* RP is non-compliance * Agency issued Order and RP complied * RP will do geoprobe delineation * Agency corrected the age of case (12-years)	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be on track	Appears to be on track	LIBERTY UNION HIGH SCHOOL	T0601300744	PAT VELLINES	Gasoline	G - Government Entity (include School, Hospital, Utility)	1/1/1985	* RP got into CUF 3-months ago (after years of trying) * Will do extra vapor sampling (high VOC) * Uploading all information into GeoTracker	CASE IN CUF
Appears to be on track	Appears to be on track	OLD SONORA MAINTENANCE STATION	T0610900005	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	3/3/1986	* CalTrans site * New system design (installed wells on street) * Site going into remediation * RP submitted new design to delineate downgradient	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be on track	Appears to be on track	MC KESSON/RAWSON DRUG & SUNDRYS	T0606793621	VERA FISCHER	Multiple	S - Small Private Business	1/6/1987	* RP applied to CUF and was pre-approved to do work * McKesson is an active RP and property owner (eligible for CUF) - removed the tanks but never used them * Pilot test proposed (waiting for fund)	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be on track	Appears near completion within 1-year	JESS UNRUH Bldg	T0606700090	VERA FISCHER	Other	G - Government Entity (include School, Hospital, Utility)	8/14/1987	* Completed plume delineation, submitted NFA and under review * Possible site closure within 1-year	Complete closure process in 1-year (includes well decommission)

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Appears to be on track	Appears to be on track	SHELL SS (EX-TEXACO/REGAL)	T0601300768	PAT VELLINES	MTBE	Z - Major Oil Company	12/27/1988	* Monitoring trend decreasing * TBA breakdown occurring; MTBE at 170-ppb * MNA (attenuation) * Agency will consider site closure after a few quarters of monitoring (possible closure within 2-years)	Continue remediation until low-risk criteria is met
Appears to be on track	Appears to be on track	ALTAVILLE MAINTENANCE STN	T0600900007	PETER MINKEL	Diesel	G - Government Entity (include School, Hospital, Utility)	5/30/1989	* CalTrans site * Plan to complete investigation * One closed tank and do HHRA * Remediation (2010) might continue	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be on track	Appears near completion within 1-year	AUBURN MAINTENANCE STATION (CALTRANS)	T0606100052	PAUL SANDERS	Gasoline	G - Government Entity (include School, Hospital, Utility)	12/1/1989	* Deed restriction (if approved) * Completed last ozone injection * 9-months of post remediation * High soil vapor levels	Complete closure process in 1-year (includes well decommission)
Appears to be on track	Appears to be stuck	CA CONSERVATION CORP	T0606100081	PAUL SANDERS	Gasoline	G - Government Entity (include School, Hospital, Utility)	1/4/1991	* Consultant has not responded since Dec 2010 * RP has funding issue * Additional GW sampling needed; has vapor hits * Agency considering enforcement	Ensure RP compliance (includes identify RP, enforcement, EAR account etc.)
Appears to be on track	Appears to be on track	SIERRA CENTRAL CREDIT UNION	T0611500056	MICHAEL SMITH	Gasoline	S - Small Private Business	1/30/1992	* Remediation Action Plan due at the end of July	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be on track	Appears to be on track	MEADOWVIEW COMMUNITY CENTER	SL205873047	GERALD DJUTH	Multiple	G - Government Entity (include School, Hospital, Utility)	1/1/1993	* Case being worked on under "Desert Petroleum #794, T0606700466" which is in CUF * PCE plume; benzene in source area * Near completing site cleanup; air-sparging for bio-remediation * Old mall and service station combined into 1 site	Continue remediation until low-risk criteria is met

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Appears to be on track	Appears near completion within 1-year	BEACON #3642 (FORMER)	T0606100187	PAUL SANDERS	Gasoline	Z - Major Oil Company	9/24/1992	* Recommended site closure (within 1-year)	Complete closure process in 1-year (includes well decommission)
Appears to be on track	Appears to be on track	FIRESTONE TIRE CO (FORMER SS)	T0606700550	VERA FISCHER	Gasoline	S - Small Private Business	6/4/1992	* Property changed owners multiple times * Case was transferred from LOP to RWQCB on Feb 2008 * Site under MNA for years under LOP * Recently doing full scale ozone remediation (good results)	Continue remediation until low-risk criteria is met
Appears to be on track	Appears to be on track	MOBIL CHEMICAL CO	T0611300155	DAVID STARVAREK	Other	Z - Major Oil Company	3/20/1992	* Ozone sparging pilot test (Nov) * Testing in April; has recent one high hit * Site has thick slab and recently hit refusal * Changed consultant * Will change COC in GeoTracker to MTBE * Completed assessment (vertically and horizontally)	Continue remediation until low-risk criteria is met
Appears to be on track	Appears to be on track	BEACON #3527 (FORMER)	T0606100215	PAUL SANDERS	Gasoline	Z - Major Oil Company	8/12/1993	* System expansion (ozone sparging and SVE) * One hot area downgradient to remediate	Continue remediation until low-risk criteria is met
Appears to be on track	Appears to be on track	TOSCO - FACILITY #0164	T0611300168	DAVID STARVAREK	Multiple	Z - Major Oil Company	6/29/1993	* MTBE plume is moving off-site; plume split and move northeast * Site has active remediation * Waiting for plume to stabilize and degrade * Well in source area rebounding	Continue remediation until low-risk criteria is met
Appears to be on track	Appears to be on track	SCHROLL RESIDENCE	T10000000339	PAUL SANDERS	Multiple	O - Other (Individual, Homes etc)	7/21/1993	* Case moved into CUF	CASE IN CUF
Appears to be stuck	Appears close to completion	ROTO ROOTER (FORMER)	T0610100657	JAMES BARTON	Gasoline	O - Other (Individual, Homes etc)	2/6/1995	* Agency did all the site sampling and cleanup work, and will complete site closure soon * Public comments due on closure	Complete closure process in 1-year (includes well decommission)
Appears to be stuck	CASE CLOSED (03/09/2011)	FORMER MARTIN PROPERTY	T0610900004	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	12/31/1986	CASE CLOSED (03/09/2011)	CASE CLOSED (03/09/2011)

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Appears to be stuck	Appears near completion within 1-year	BAKER STATION	T061090097	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	10/25/1986	* Closure Memo prepared (will close site within 1-year) * US Forest - check claimed in GeoTracker	Complete closure process in 1-year (includes well decommission)
Appears to be stuck	CASE CLOSED (06/30/2011)	SONORA MINI MART	T061090022	PETER MINKEL	Diesel	S - Small Private Business	7/31/1987	CASE CLOSED (06/30/2011)	CASE CLOSED (06/30/2011)
Appears to be stuck	Appears to be stuck	SACRAMENTO AUTO TRUCK COMPANY	T0611300058	DAVID STARVAREK	Gasoline	S - Small Private Business	12/29/1988	* Site on agency's list for enforcement * Consultant cannot get RP to respond * Has approved workplan for 3 grab GW samples (to confirm no plume) * RP may want to apply to CUF	Ensure RP compliance (includes identify RP, enforcement, EAR account etc.)
Appears to be stuck	Appears near completion within 1-year	CIGNA ESPARTO RANCH	T0611300066	DAVID STARVAREK	Gasoline	O - Other (Individual, Homes etc)	12/2/1988	* Site closure within 1-year * RP in the process of well destruction	Complete closure process in 1-year (includes well decommission)
Appears to be stuck	Appears to be on track	GOLD HILL YARD	T0606100194	PAUL SANDERS	Diesel	G - Government Entity (include School, Hospital, Utility)	9/17/1992	* Removed a building, doing excavation (in August) * GW numbers high; agency requested more work * Has domestic well downgradient	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be stuck	Appears to be on track	COLFAX YARD	T0606700685	VERA FISCHER	Other	G - Government Entity (include School, Hospital, Utility)	2/10/1993	* RP (City of Sacramento) has funding issue and wants to sell the property * Re-opened case due to benzene under residential area * Reviewing report submitted (potential benzene and TCE vapor risk); assessment conducted in December 2010 * Agency considering deed restriction (commercial use)	Push for new/additional remedial investigation (RI)/risk assessment
Appears to be stuck	Appears to be on track	SNOW MOUNTAIN (FORMER SS??)	T0605700076	MICHAEL SMITH	Diesel	G - Government Entity (include School, Hospital, Utility)	8/16/1994	* Complete site closure within 1-year * Fund has been appropriated - original owner has applied and been accepted into the CUF	CASE IN CUF

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Unable to determine (Insufficient information in GeoTracker)	Appears to be on track	SACRAMENTO MAINTENANCE YARD	T0611300022	DAVID STARVAREK	Gasoline	G - Government Entity (include School, Hospital, Utility)	1/1/1988	* RP has been approved funding for work this fiscal year (fund allocation an issue) * Agency will review and approve the reports submitted in GeoTracker * Focusing on on-site issue (minimal off site migration) * MTBE plume heading off-site	Push for new/additional remedial investigation (RI)/risk assessment
Unable to determine (Insufficient information in GeoTracker)	Appears near completion within 1-year	MARYSVILLE FIRE DEPARTMENT	T0611500043	MICHAEL SMITH	Gasoline	G - Government Entity (include School, Hospital, Utility)	11/29/1990	* Agency has lab budget to obtain last sample from the well * Waiting for bid for well destruction * Possible to complete site closure within 1-year	Complete closure process in 1-year (includes well decommission)
Unable to determine (Insufficient information in GeoTracker)	Appears near completion within 1-year	BUCK MEADOW R.S.	T0610900040	PETER MINKEL MICHAEL SMITH	Gasoline	G - Government Entity (include School, Hospital, Utility)	2/22/1991	* Likely soil only case; agency will review site for closure * Obtained reports from RP * Change in caseworker to "M.Smith"	Complete closure process in 1-year (includes well decommission)
Unable to determine (Insufficient information in GeoTracker)	Appears near completion within 1-year	YUBA COLLEGE	T0611500050	MICHAEL SMITH	Diesel	G - Government Entity (include School, Hospital, Utility)	7/24/1991	* Agency will try to close case as soil only * Obtained the UST removal report * Likely to complete site closure in 1-year	Complete closure process in 1-year (includes well decommission)
Unable to determine (Insufficient information in GeoTracker)	Appears near completion within 1-year	MUSSETTER PROPERTY -Consolidate with adjacent site	T0606100254	PAUL SANDERS	Diesel	O - Other (Individual, Homes etc)	11/9/1993	* CalTrans site * Possible vapor sampling * Might qualify to do one sampling to complete * Has drinking well (with good numbers)	Complete closure process in 1-year (includes well decommission)

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Unable to determine (Insufficient information in GeoTracker)	Appears to be on track	NORTON MOTORS - Handled under KFD (T0603300059) CUF case	T0603300056	GLENN T. MEEKS	Other	S - Small Private Business	7/27/1994	* Adjacent to another site (Kelseville); SVE wells * Access issue in the past * Trying to keep out of co-mingled plume parts * Currently in monitoring; will be in remediation * May get site into co-mingled plume account	Push for new/additional remedial investigation (RI)/risk assessment
Unable to determine (Insufficient information in GeoTracker)	CASE CLOSED (02/14/2011)	TWAIN HARTE STATION - Appears ready for closure	T0610900076	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	5/17/1994	CASE CLOSED (02/14/2011)	CASE CLOSED (02/14/2011)
Unable to determine (Insufficient information in GeoTracker)	Appears near completion within 1-year	TWAIN HARTE STATION SNOW'S AUTOMOTIVE - Appears ready for closure	T0603300062	GLENN T. MEEKS	Other	S - Small Private Business	11/2/1995	* Possible closure within 1-year * Site approved for EAR account (administrative held-up)	Complete closure process in 1-year (includes well decommission)
Unable to determine (Insufficient information in GeoTracker)	CASE CLOSED (02/04/2011)	WAWONA QUAD	T0604300046	PETER MINKEL	Gasoline	G - Government Entity (include School, Hospital, Utility)	11/20/1995	CASE CLOSED (02/04/2011)	CASE CLOSED (02/04/2011)

Attachment 1

Draft Report (November 26, 2010)

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

The contents of this attachment are provided in electronic format only

Draft

November 26, 2010

Review of Leaking Underground Storage Tank (LUST) Cases

(Not in Cleanup Fund and Open Over 15 Years)

Central Valley - Regional Water Quality Control Board (CV-RWQCB) Region 5 - Sacramento (5S) Cases

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

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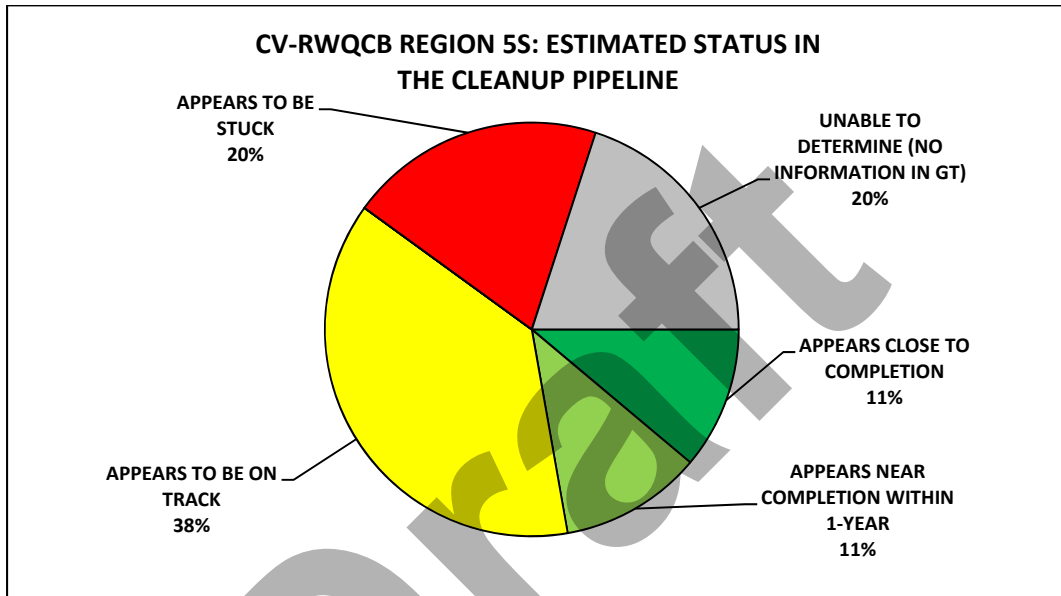
**CENTRAL VALLEY - REGIONAL WATER QUALITY CONTROL BOARD REGION 5 - SACRAMENTO
(CV-RWQCB-5S) – OPEN LEAKING UST: NON-CUF, OLDER (OPEN>15 YEARS), AND DEEMED
“NOT READY FOR CLOSURE – FINAL” CASES IN GEOTRACKER
(DATA IN GEOTRACKER, NOVEMBER 2010)**

SUMMARY OF CASE REVIEW

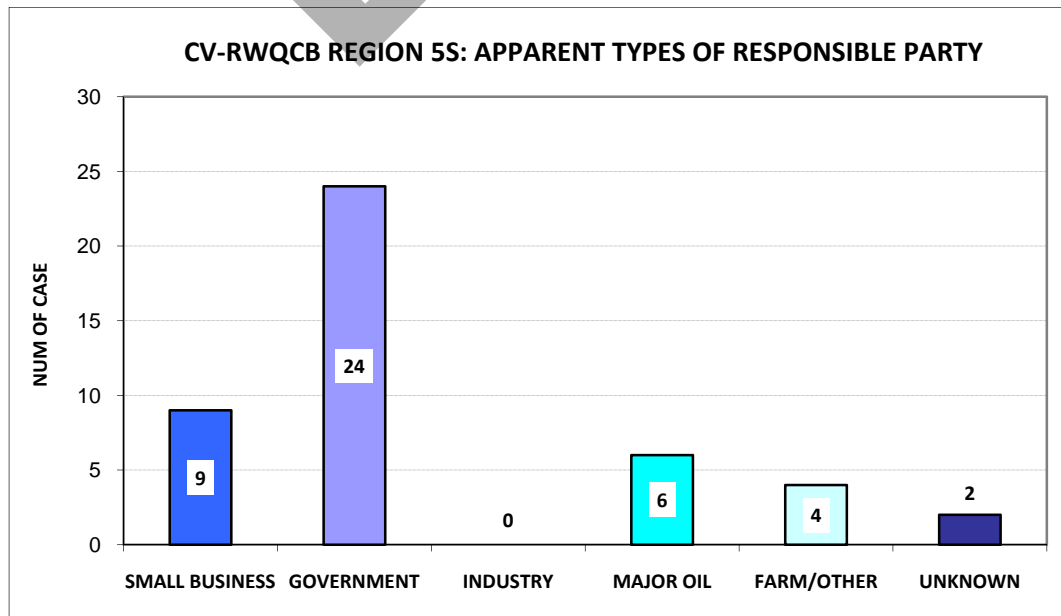
TOTAL NUMBER OF CASES REVIEWED = 45 CASES

NUMBER OF ACTIVE LUST CASE ON NOVEMBER 24, 2010 = 554 CASES

1) APPARENT STATUS OF CASES REVIEWED



2) RESPONSIBLE PARTY TYPES

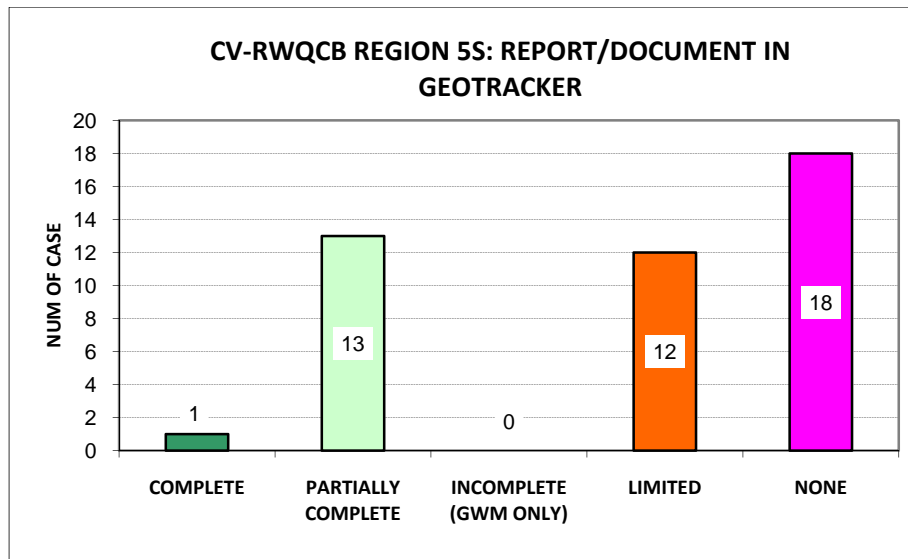
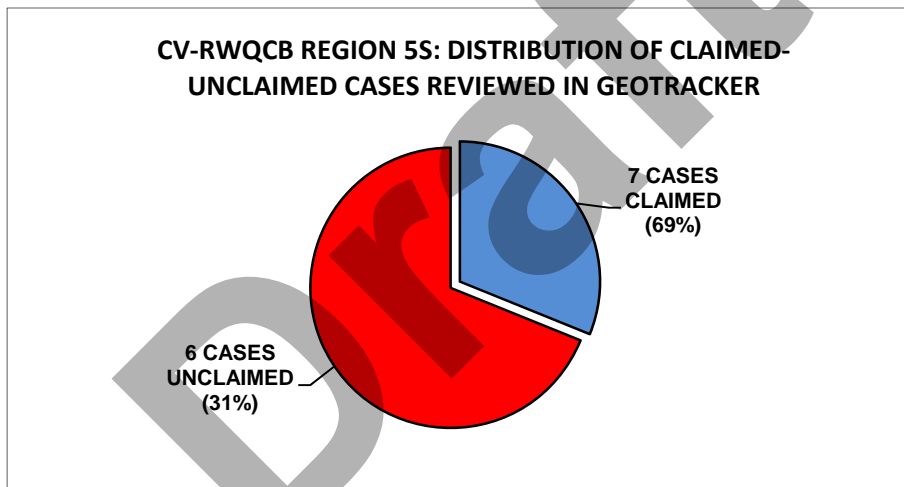


3) APPARENT MAIN BARRIERS (ENVIRONMENTAL AND NON-ENVIRONMENTAL) TO CLOSURE

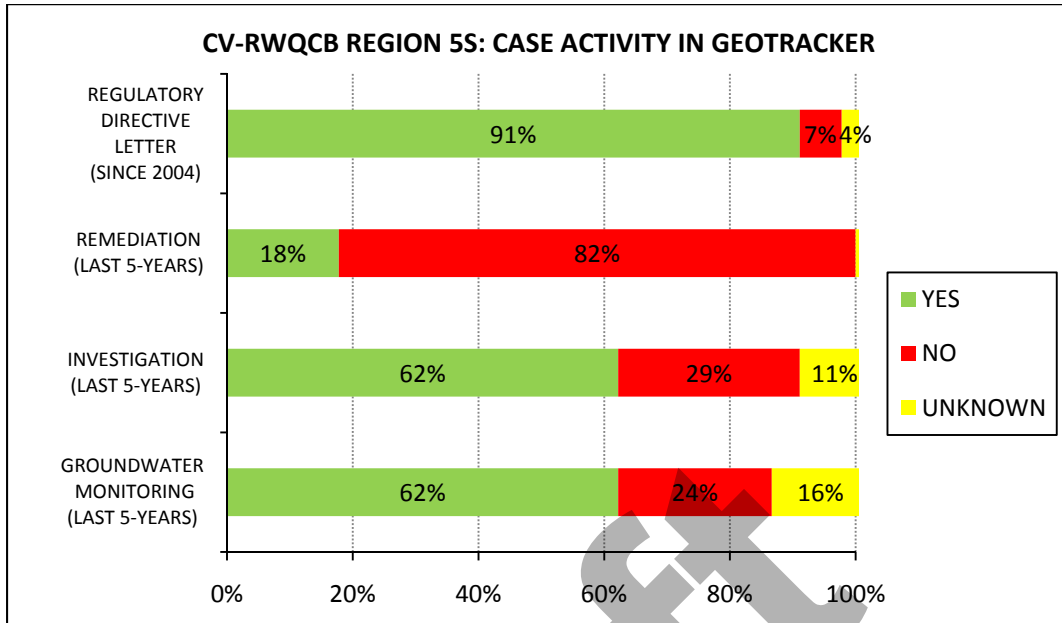
RANK	ENVIRONMENTAL	NUM OF CASE	% OF CASE REVIEWED
1	INCOMPLETE ASSESSMENT	16	36%
2	CA WATER POLICY	9	20%
3	REMEDIAL CONFIRMATION	7	16%
4	VAPOR INTRUSION ISSUE	5	11%
5	AWAITING WELL ABANDONMENT	3	7%
5	OTHER	3	7%
6	COMMINGLED PLUME	1	2%
6	NEAR BY WELLS OR OTHER RECEPTOR	1	2%

RANK	NON-ENVIRONMENTAL	NUM OF CASE	% OF CASE REVIEWED
1	OTHER	11	18%
2	NONE	10	16%
3	NON-RESPONSIVE RP	9	15%
4	NO DATA IN GEOTRACKER	8	13%
5	FINANCIAL HARDSHIP	6	10%
6	UNKNOWN	1	2%

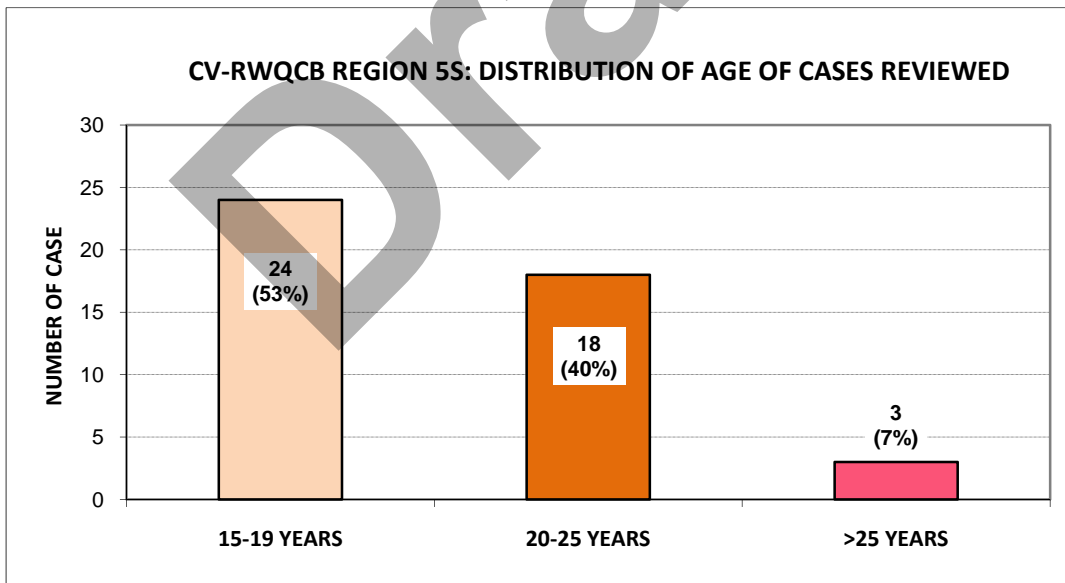
4) DATA IN GEOTRACKER



5) CASE ACTIVITIES IN GEOTRACKER (2004-2009)



6) AGE OF CASES



**CASE REVIEW SUMMARY TABLE
(CV-RWQCB REGION 5S)**

ESTIMATED STATUS IN THE CLEANUP PIPELINE?	SITE NAME (CASE LEAD AGENCY: CENTRAL VALLEY RWQCB - REGION 5S)	CITY	GLOBAL ID	LOCAL CASE ID (REGION 5S CASE NUMBER)	CASEWORKER	CURRENT CASE STATUS	APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT)	APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT)	PRIMARY COC (In GeoTracker)	APPARENT TYPE OF RP	DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED)	DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE?	CLAIMED IN GEOTRACKER?	GROUNDWATER MONITORING (LAST 5-YEARS)	INVESTIGATION (LAST 5-YEARS)	REMEDATION (LAST 5-YEARS)	LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?)	PERCEPTION OF NEED FOR INCREASED ENFORCEMENT?	DATA IN GEOTRACKER	RELEASE DATE	AGE	NEXT STEP FOR AGENCY
Appears close to completion	GAS N SAVE (ARMOUR OIL)	DAVIS	T0611300301	#570001	DAVID STARVAREK	Open - Verification Monitoring	A - Awaiting Well Abandonment	N - None	Gasoline	U - Unknown	No	Yes	No	Yes	Unknown	No	Yes	No	None	8/7/1984	26	
Appears close to completion	CITY HALL- POLICE STATION	GRASS VALLEY	T0605700003	#290003	MICHAEL SMITH	Open - Verification Monitoring	R - Remedial Confirmation	O - Other	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	10/1/1986	24	
Appears close to completion	COLFAX HIGH SCHOOL	COLFAX	T0606100029	#310039	PAUL SANDERS	Open - Site Assessment	V - Vapor Intrusion Issue	U - Unknown	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	No	Yes	Yes	Yes	No	Yes	No	Limited	9/16/1987	23	
Appears close to completion	BUFFALO TANK CORP	STOCKTON	T0607700624	#390791	JAMES BARTON	Open - Verification Monitoring	A - Awaiting Well Abandonment	F - Financial Hardship	Gasoline	S - Small Private Business	No	Unknown	Yes	Yes	Yes	No	Yes	No	Limited	6/30/1993	17	
Appears close to completion	GREYHOUND LINES	WEST SACRAMENTO	T0611300203	#570256	DAVID STARVAREK	Open - Site Assessment	A - Awaiting Well Abandonment	O - Other	Diesel	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Unknown	Yes	No	Yes	No	None	9/18/1995	15	
Appears near completion within 1-year	TUOL MDWS FUEL STN[UST# 39,76]	YOSEMITE NP	T0610900049	#550068	PETER MINKEL	Open - Verification Monitoring	CP - CA Policy (Water Quality Objectives Not Met)	N - None	Gasoline	G - Government Entity (include School, Hospital, Utility)	Yes	No	Yes	Yes	Yes	No	Yes	No	Limited	10/24/1991	19	
Appears near completion within 1-year	YOLO COUNTY FAIR	WOODLAND	T0611300149	#570192	DAVID STARVAREK	Open - Site Assessment	O - Other	O - Other	Gasoline	G - Government Entity (include School, Hospital, Utility)	Unknown	Unknown	Yes	Yes	Yes	No	Yes	No	Limited	8/19/1992	18	
Appears near completion within 1-year	KELLEY MOTORS	JAMESTOWN	T0610900090	#550114	PETER MINKEL	Open - Verification Monitoring	I - Incomplete Assessment	RP - Non-Responsive RP	Gasoline	S - Small Private Business	No	Unknown	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	6/6/1995	15	
Appears near completion within 1-year	NACO WEST - YOSEMITE LAKES	GROVELAND	T0610900093	#550117	PETER MINKEL	Open - Verification Monitoring	O - Other	O - Other	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	No	Yes	Yes	No	No	Yes	Yes	Limited	9/8/1995	15	
Appears near completion within 1-year	ESPARTO CORPORATION YARD	ESPARTO	T0611300196	#570249	DAVID STARVAREK	Open - Site Assessment	CP - CA Policy (Water Quality Objectives Not Met)	RP - Non-Responsive RP	Gasoline	G - Government Entity (include School, Hospital, Utility)	Unknown	Unknown	Yes	Unknown	Unknown	No	No	Yes	None	5/3/1995	15	
Appears to be on track	GASAMAT #952	YUBA CITY	T0610100080	#510087	JAMES BARTON	Open - Site Assessment	I - Incomplete Assessment	F - Financial Hardship	Gasoline	Z - Major Oil Company	No	Yes	Yes	Yes	Yes	No	Yes	No	Limited	8/5/1998	46 (12)	
Appears to be on track	LIBERTY UNION HIGH SCHOOL	BRENTWOOD	T0601300744	7003	PAT VELLINES	Open - Remediation	V - Vapor Intrusion Issue	F - Financial Hardship	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	1/1/1985	25	
Appears to be on track	OLD SONORA MAINTENANCE STATION	SONORA	T0610900005	#550005	PETER MINKEL	Open - Remediation	CP - CA Policy (Water Quality Objectives Not Met)	N - None	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	3/3/1986	24	
Appears to be on track	MC KESSON/RAWSON DRUG & SUNDRYS	SACRAMENTO	T0606793621	#340104	VERA FISCHER	Open - Remediation	CP - CA Policy (Water Quality Objectives Not Met)	O - Other	Multiple	S - Small Private Business	No	Unknown	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	1/6/1987	23	
Appears to be on track	JESS UNRUH Bldg	SACRAMENTO	T0606700090	#340126	VERA FISCHER	Open - Site Assessment	I - Incomplete Assessment	RP - Non-Responsive RP	Other	G - Government Entity (include School, Hospital, Utility)	Yes	No	Yes	No	Yes	No	Yes	No	Partially Complete (Missing some data)	8/14/1987	23	
Appears to be on track	SHELL SS (EX-TEXAXO/REGAL)	ANTIOCH	T0601300768	#070042	PAT VELLINES	Open - Reopen Case	CP - CA Policy (Water Quality Objectives Not Met)	N - None	MTBE	Z - Major Oil Company	No	No	Yes	Yes	Yes	No	Yes	No	Complete (Soil, GWM, Tank Removal, Boring Logs)	12/27/1988	22	
Appears to be on track	ALTAVILLE MAINTENANCE STN	ALTAVILLE	T0600900007	#050009	PETER MINKEL	Open - Remediation	R - Remedial Confirmation	O - Other	Diesel	G - Government Entity (include School, Hospital, Utility)	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Limited	5/30/1989	21	
Appears to be on track	AUBURN MAINTENANCE STATION (CALTRANS)	AUBURN	T0606100052	#310065	PAUL SANDERS	Open - Remediation	V - Vapor Intrusion Issue	O - Other	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	Yes	Yes	No	Partially Complete (Missing some data)	12/1/1989	21	
Appears to be on track	CA CONSERVATION CORP	AUBURN	T0606100081	#310098	PAUL SANDERS	Open - Verification Monitoring	V - Vapor Intrusion Issue	RP - Non-Responsive RP	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	No	Yes	No	Limited	1/4/1991	20	
Appears to be on track	SIERRA CENTRAL CREDIT UNION	MARYSVILLE	T0611500056	#580069	MICHAEL SMITH	Open - Site Assessment	R - Remedial Confirmation	N - None	Gasoline	S - Small Private Business	No	Yes	Yes	Yes	Yes	No	Yes	No	Limited	1/30/1992	19	

**CASE REVIEW SUMMARY TABLE
(CV-RWQCB REGION 5S)**

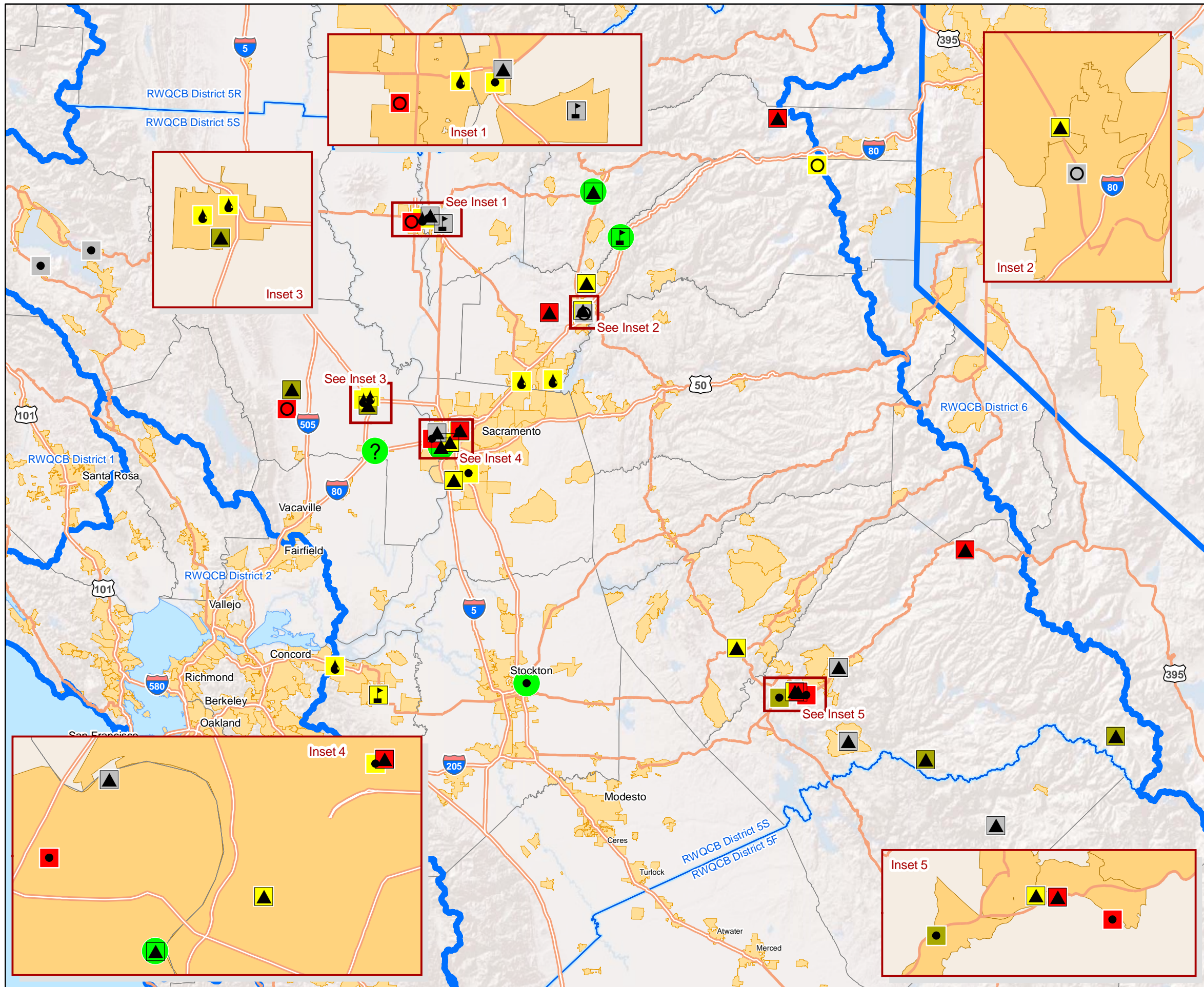
ESTIMATED STATUS IN THE CLEANUP PIPELINE?	SITE NAME (CASE LEAD AGENCY: CENTRAL VALLEY RWQCB - REGION 5S)	CITY	GLOBAL ID	LOCAL CASE ID (REGION 5S CASE NUMBER)	CASEWORKER	CURRENT CASE STATUS	APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT)	APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT)	PRIMARY COC (In GeoTracker)	APPARENT TYPE OF RP	DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED?)	DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE?	CLAIMED IN GEOTRACKER?	GROUNDWATER MONITORING (LAST 5-YEARS)	INVESTIGATION (LAST 5-YEARS)	REMEDATION (LAST 5-YEARS)	LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?)	PERCEPTION OF NEED FOR INCREASED ENFORCEMENT?	DATA IN GEOTRACKER	RELEASE DATE	AGE	NEXT STEP FOR AGENCY
Appears to be on track	MEADOWVIEW COMMUNITY CENTER	SACRAMENTO	SL205873047	SL205873047	GERALD DJUTH	Open - Assessment & Interim Remedial Action	CP - CA Policy (Water Quality Objectives Not Met)	O - Other	Multiple	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	Yes	Yes	No	Partially Complete (Missing some data)	1/1/1993	18	
Appears to be on track	BEACON #3642 (FORMER)	GRANITE BAY	T0606100187	#310233	PAUL SANDERS	Open - Remediation	R - Remedial Confirmation	N - None	Gasoline	Z - Major Oil Company	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Partially Complete (Missing some data)	9/24/1992	18	
Appears to be on track	FIRESTONE TIRE CO (FORMER SS)	SACRAMENTO	T0606700550	#340645	VERA FISCHER	Open - Assessment & Interim Remedial Action	R - Remedial Confirmation	N - None	Gasoline	S - Small Private Business	No	Unknown	Yes	Yes	Yes	Yes	Yes	No	Partially Complete (Missing some data)	6/4/1992	18	
Appears to be on track	MOBIL CHEMICAL CO	WOODLAND	T0611300155	#570220	DAVID STARVAREK	Open - Remediation	CP - CA Policy (Water Quality Objectives Not Met)	N - None	Other	Z - Major Oil Company	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	3/20/1992	18	
Appears to be on track	BEACON #3527 (FORMER)	ROSEVILLE	T0606100215	#310267	PAUL SANDERS	Open - Remediation	R - Remedial Confirmation	N - None	Gasoline	Z - Major Oil Company	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Limited	8/12/1993	17	
Appears to be on track	TOSCO - FACILITY #0164	WOODLAND	T0611300168	#570218	DAVID STARVAREK	Open - Remediation	R - Remedial Confirmation	N - None	Multiple	Z - Major Oil Company	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Partially Complete (Missing some data)	6/29/1993	17	
Appears to be on track	SCHROLL RESIDENCE	NORDEN	T10000000339	#310418	PAUL SANDERS	Open - Assessment & Interim Remedial Action	I - Incomplete Assessment	F - Financial Hardship	Multiple	O - Other (Individual, Homes etc)	No	Unknown	Yes	Yes	Yes	No	Yes	No	Partially Complete (Missing some data)	7/21/1993	17	
Appears to be stuck	ROTO ROOTER (FORMER)	YUBA CITY	T0610100057	#510064	JAMES BARTON	Open - Site Assessment	I - Incomplete Assessment	RP - Non-Responsive RP	Gasoline	O - Other (Individual, Homes etc)	Unknown	Unknown	No	No	No	No	Yes	Yes	None	2/6/1995	46 (16)	
Appears to be stuck	FORMER MARTIN PROPERTY	SONORA	T0610900004	#550004	PETER MINKEL	Open - Site Assessment	S - Nearby Wells/Other Receptors	ND - No Data in GeoTracker	Gasoline	G - Government Entity (include School, Hospital, Utility)	Yes	Unknown	No	No	No	No	Yes	Yes	None	12/31/1986	24	
Appears to be stuck	BAKER STATION	BAKER STATION	T0610900097	#550121	PETER MINKEL	Open - Site Assessment	I - Incomplete Assessment	RP - Non-Responsive RP	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	No	Unknown	Unknown	No	Yes	Yes	None	10/25/1986	24	
Appears to be stuck	SONORA MINI MART	SONORA	T0610900022	#550029	PETER MINKEL	Open - Site Assessment	CP - CA Policy (Water Quality Objectives Not Met)	ND - No Data in GeoTracker	Diesel	S - Small Private Business	Yes	Unknown	No	No	No	No	Yes	Yes	None	7/31/1987	23	
Appears to be stuck	SACRAMENTO AUTO TRUCK COMPANY	WEST SACRAMENTO	T0611300058	#570085	DAVID STARVAREK	Open - Site Assessment	I - Incomplete Assessment	RP - Non-Responsive RP	Gasoline	S - Small Private Business	No	Yes	No	No	Yes	No	Yes	Yes	None	12/29/1988	22	
Appears to be stuck	CIGNA ESPARTO RANCH	ESPARTO	T0611300066	#570094	DAVID STARVAREK	Open - Site Assessment	I - Incomplete Assessment	ND - No Data in GeoTracker	Gasoline	O - Other (Individual, Homes etc)	No	Unknown	No	Yes	No	No	Yes	Yes	None	12/2/1988	22	
Appears to be stuck	GOLD HILL YARD	NEWCASTLE	T0606100154	#310243	PAUL SANDERS	Open - Verification Monitoring	CP - CA Policy (Water Quality Objectives Not Met)	RP - Non-Responsive RP	Diesel	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	Yes	No	Yes	Yes	Limited	9/17/1992	18	
Appears to be stuck	COLFAX YARD	SACRAMENTO	T0606700685	#340832	VERA FISCHER	Open - Reopen Case	V - Vapor Intrusion Issue	F - Financial Hardship	Other	G - Government Entity (include School, Hospital, Utility)	Yes	No	Yes	No	Yes	No	Yes	Yes	Limited	2/10/1993	18	
Appears to be stuck	SNOW MOUNTAIN (FORMER SS??)	SODA SPRINGS	T0605700076	#290102	MICHAEL SMITH	Open - Verification Monitoring	I - Incomplete Assessment	O - Other	Diesel	G - Government Entity (include School, Hospital, Utility)	No	No	Yes	Yes	No	No	No	Yes	Limited	8/16/1994	16	
Unable to determine (Insufficient information in GeoTracker)	SACRAMENTO MAINTENANCE YARD	WEST SACRAMENTO	T0611300022	#570033	DAVID STARVAREK	Open - Site Assessment	I - Incomplete Assessment	ND - No Data in GeoTracker	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	Yes	Yes	No	Yes	Yes	No	None	1/1/1988	23	
Unable to determine (Insufficient information in GeoTracker)	MARYSVILLE FIRE DEPARTMENT	MARYSVILLE	T0611500043	#580056	MICHAEL SMITH	Open - Site Assessment	I - Incomplete Assessment	ND - No Data in GeoTracker	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	No	Unknown	No	No	Yes	Yes	None	11/29/1990	20	
Unable to determine (Insufficient information in GeoTracker)	BUCK MEADOW R.S.	GROVELAND	T0610900040	#550057	PETER MINKEL	Open - Site Assessment	I - Incomplete Assessment	ND - No Data in GeoTracker	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	Unknown	No	No	No	No	Yes	Yes	None	2/22/1991	20	
Unable to determine (Insufficient information in GeoTracker)	YUBA COLLEGE	MARYSVILLE	T0611500050	#580063	MICHAEL SMITH	Open - Site Assessment	I - Incomplete Assessment	ND - No Data in GeoTracker	Diesel	G - Government Entity (include School, Hospital, Utility)	No	Unknown	No	No	Yes	No	Yes	Yes	None	7/24/1991	19	

**CASE REVIEW SUMMARY TABLE
(CV-RWQCB REGION 5S)**

ESTIMATED STATUS IN THE CLEANUP PIPELINE?	SITE NAME (CASE LEAD AGENCY: CENTRAL VALLEY RWQCB - REGION 5S)	CITY	GLOBAL ID	LOCAL CASE ID (REGION 5S CASE NUMBER)	CASEWORKER	CURRENT CASE STATUS	APPARENT PRIMARY ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT)	APPARENT NON-ENVIRONMENTAL BARRIER TO CLOSURE (Identified by Regulatory Agency in GT)	PRIMARY COC (in GeoTracker)	APPARENT TYPE OF RP	DOES SITE APPEAR TO HAVE BEEN REDEVELOPED? (LAND USE CHANGED)	DOES SITE APPEAR TO HAVE CURRENT PETROLEUM USAGE?	CLAIMED IN GEOTRACKER?	GROUNDWATER MONITORING (LAST 5-YEARS)	INVESTIGATION (LAST 5-YEARS)	REMEDIATION (LAST 5-YEARS)	LAST REGULATORY DIRECTIVE LETTER (ANY ISSUED SINCE 2004?)	PERCEPTION OF NEED FOR INCREASED ENFORCEMENT?	DATA IN GEOTRACKER	RELEASE DATE	AGE	NEXT STEP FOR AGENCY
Unable to determine (Insufficient information in GeoTracker)	MUSSETTER PROPERTY - Consolidate with adjacent site	AUBURN	T0606100254	#310312	PAUL SANDERS	Open - Verification Monitoring	C - Commingled Plume	O - Other	Diesel	O - Other (Individual, Homes etc)	No	Unknown	No	No	No	No	Yes	Yes	None	11/9/1993	17	
Unable to determine (Insufficient information in GeoTracker)	NORTON MOTORS - Handled under KFD (T0603300059) CUF case	KELSEYVILLE	T0603300056	#170076	GLENN T. MEEKS	Open - Site Assessment	O - Other	O - Other	Other	S - Small Private Business	No	Yes	No	Unknown	Unknown	Unknown	Unknown	Unknown	None	7/27/1994	16	
Unable to determine (Insufficient information in GeoTracker)	TWAIN HARTE STATION - Appears ready for closure	TWAIN HARTE	T0610900076	#550100	PETER MINKEL	Open - Verification Monitoring	I - Incomplete Assessment	ND - No Data in GeoTracker	Gasoline	G - Government Entity (include School, Hospital, Utility)	Yes	Unknown	Yes	No	No	No	No	Yes	None	5/17/1994	17	
Unable to determine (Insufficient information in GeoTracker)	SNOW'S AUTOMOTIVE	CLEARLAKE	T0603300062	#170082	GLENN T. MEEKS	Open - Site Assessment	I - Incomplete Assessment	F - Financial Hardship	Other	S - Small Private Business	No	Unknown	No	No	No	No	Yes	Yes	None	11/2/1995	15	
Unable to determine (Insufficient information in GeoTracker)	WAWONA QUAD	YOSEMITE NP	T0604300046	#220101	PETER MINKEL	Open - Site Assessment	I - Incomplete Assessment	RP - Non-Responsive RP	Gasoline	G - Government Entity (include School, Hospital, Utility)	No	No	No	Unknown	No	No	Yes	Yes	None	11/20/1995	15	

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- G - Government Entity; School
- G - Government Entity; Utility, Police, etc.
- O - Other (Individual, Homes etc)
- S - Small Private Business
- U - Unknown
- Z - Major Oil Company
- Appears close to completion
- Appears near completion within 1-year
- Appears to be on track
- Appears to be stuck
- Unable to determine (Insufficient information in GeoTracker)
- RWQCB District Boundary
- RWQCB Sub-District Boundary
- City/Community
- County Boundary

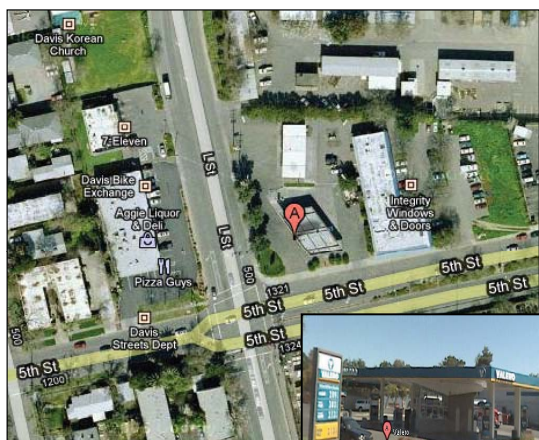
GeoTracker Data Visualization

**REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY – SACRAMENTO (REGION 5-S)
GEOTRACKER LOCATIONS OF NON-CUF
CASES OLDER THAN 15 YEARS**

Draft Report

GAS N SAVE (ARMOUR OIL) (T0611300001)

504 L ST & 5TH ST, DAVIS, CA 95616



Case Age: 26 years
 Primary COC: Gasoline
 RP Identified by Regulator: **NO RP IN GEOTRACKER – Unclaimed in GeoTacker**
 Potential Media Affected: Other GW (Uses other than drinking water)
 Current Land Use: Valero
 Well Network: 36 (in 1996)

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570001
 CASEWORKER: [DAVID STAVAREK](#) - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY
 CASEWORKER: [ALEEN SHAFI](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	Telephone conversation with consultant	10/13/2010
NOTICES	Notification - Public Notice of Case Closure	10/11/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	10/11/2010
RESPONSE - OTHER	Email from attorney for RP	9/30/2010

Possible Reasons Why This Case Is So Old

- RP issues: 1999, RP died and company bankrupted
- Case was transferred – DTSC lead in 1980s
- Wells abandonment (approximately 36 monitoring and remediation wells as of 1996)

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker Info

T0611300001

Assessment last 5 years

- 2008: GW monitoring
- July 2009: GW monitoring suspended per RWQCB's request; pending case closure review

Remediation last 5 years

- None

Assessment older than 5 years

- Until 1996: 36 monitoring and remedial wells onsite and offsite

Remediation older than 5 years

- 1995: SVE (total of 6,700-lbs petroleum HC removed from soil)
- 1987-1995: Pump and Treat Groundwater

IMPEDIMENTS TO CLOSURE T0611300001

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
UNACCEPTABLE RISK <ul style="list-style-type: none"> Other - A human health risk assessment has not been completed. A soil vapor survey may not be needed, but RP must justify with current data and past soil vapor data. 						
PROCEDURAL IMPEDIMENTS <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - Monitoring and extraction wells must be removed, as well as any remediation equipment and associated pipelines. 						
Other Impediments <ul style="list-style-type: none"> The impediments to closure may be revised pending completion of Appendix A closure items, human health risk assessment, and well abandonment. 						
BENEFITS OF ADDITIONAL WORK <ul style="list-style-type: none"> Fill-in RI Data Gaps - need complete health risk and public participation notification. Other - Health risk assessment is needed to determine whether there are any potential risks to human health. 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already impacted	Shallow groundwater was impacted with gasoline hydrocarbons. Groundwater remediation through 1995 appears to have reduce the mass sufficiently to consider site for closure pending the completion of other items.				
NOTES / COMMENTS <ul style="list-style-type: none"> The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information. 						
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED -						
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:						
Well Being Sampled for Post-Remedial Action Verification Monitoring - Approximately 36 monitoring and remediation wells onsite and offsite were being monitored until 1996 following groundwater extraction and soil vapor extraction remediation. The RP died and insurance company stopped paying for sampling. In 1998 PG&E destroyed eight monitoring wells on their site with RWQCB approval. In 2003 three offsite monitoring wells in the City of Davis right of way were destroyed by the City of Davis with RWQCB approval. In 2008, the new property owners collected groundwater samples from the remaining onsite wells. Based on the results of the samples from the remaining wells the RWQCB is evaluating (July 2009) this site for closure, therefore, no additional groundwater sampling is needed at this time.						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0611300001

Review indicates:

- Site is currently an active gas station
- Case in process of closure → Oct 2010: RWQCB issued Notification of Proposed LUST Case Closure (allowing property owners to comment on proposed closure by 24 Nov 2010)
- No reports/documents available in GeoTracker
- In 2009 meeting notes, RP wants to get the work done to close the case, and RWQCB indicated site is "functionally closeable, but RP must demonstrate through a human health risk assessment..."
- In 1999, RWQCB tried to close this case, but RP died and his company went bankrupt

Discussion:

- Complete case closure

Case closure in progress

CITY HALL- POLICE STATION (T0605700003)

125 Main St., E. Grass Valley, CA 95945



Case Age: 24 years
Primary COC: Gasoline
RP Identified: Rudi Golnick (City Engineer for City of Grass Valley)
Potential Media Affected: Drinking water supply aquifer
Current land use: Commercial
Well Network: 6

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 290003
 CASEWORKER: [MICHAEL SMITH](#) - SUPERVISOR: Joe Mello
 NEVADA COUNTY LOP

Possible Reasons Why This Case Is So Old

- Offsite VOC plume
- Vapor intrusion (HHRA)
- Little site activity at the beginning of the case
- GW issue – potential threat to drinking water
- Government entity site, funding issues?
- Closure pending (July 2010)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
RESPONSE - OTHER	Fact Sheets - Public Participation	8/24/2010	
ENFORCEMENT/ORDERS	Staff Letter	7/23/2010	7/23/2010
RESPONSE - REPORTS	Monitoring Report - Semi-Annually	10/30/2009	
RESPONSE - REPORTS	Monitoring Report - Quarterly	7/30/2009	7/7/2009
RESPONSE - REPORTS	Monitoring Report - Quarterly	4/30/2009	4/30/2009
ENFORCEMENT/ORDERS	Staff Letter	3/5/2009	3/5/2009
RESPONSE - REPORTS	Monitoring Report - Quarterly	1/30/2009	1/26/2009
RESPONSE - REPORTS	Monitoring Report - Quarterly	10/30/2008	11/3/2008

Activities Conducted to Date Based on GeoTracker T0605700003

Assessment last 5 years

- Additional investigation
- SCM
- CRWQCB letter considering NFA and case closure after comment period

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Multiple soil and groundwater investigations

Remediation older than 5 years

- Multiple generations of UST removals
- Soil excavation and disposal

IMPEDIMENTS TO CLOSURE T0605700003

as reported by regulatory agency

CITY HALL - POLICE STATION (T0605700003) - [\[MAP\]](#)

125 MAIN ST E
GRASS VALLEY, CA 95945
NEVADA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 290003
CASEWORKER: MICHAEL SMITH
NEVADA COUNTY LOP

- Summary
- Closure Review
- Cleanup Status History
- Regulatory Activities
- Environmental Data (ESI)
- Site Maps / Documents
- Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/19/2010

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Protection of human health and the environment cannot be assured until all potential risks, threats and other environmental concerns have been identified and assessed. Un assessed concerns for this site are vapor intrusion and direct exposure.*
- Sensitive Receptor Survey Has Not Been Completed - *Threat to human health cannot be evaluated until completion of the SRS. Additional work, including delineation, fate and transport modeling, or remediation, may be needed based on the results of SRS.*

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - *A declining concentration/mass trend necessary to estimate when water quality objectives will be met cannot be established. Active remediation might be needed to reduce contaminant mass and restore beneficial uses.*
- Verification Monitoring Not Complete - *Because active remediation has not been implemented, post remediation monitoring is needed to determine if concentrations will remain below WQOs, or rebound, or to establish a post remedial declining trend.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - *Contamination has impacted water quality, and impaired the beneficial uses of the underlying water resource.*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - *Residual soil concentrations pose a risk to Human Health from dermal contact. Protection of Human Health is one of our mandates, we cannot close a site where there is a known risk to Human Health.*
- Unacceptable Risks to Human Health from Vapor Intrusion - *Modeling or Vapor sampling results indicate an exposure risk for people overlying the source area are above CHHSLs. Protection of Human Health is one of our mandates, we cannot close a site where there is a know risk to Human Health.*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *The remaining monitoring wells have not been abandoned. Open wells are a direct conduit for pollution to reach groundwater.*
- Other - *Mass of contaminants removed and information for public participation notification have not been submitted.*

IMPEDIMENTS TO CLOSURE T0605700003

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - *Verification of remedial action effectiveness must be performed to assure protection of water quality and human health, which are requirements for closure.*
- Remove / Reduce Source Mass - *Reduction or removal of source mass will further protect the beneficial uses of the waters of the State, which is one of our mandates, we cannot close a site that does not protect current and future beneficial uses.*
- Protect Designated Beneficial Uses - *Protection of the beneficial uses of the waters of the State is one of our mandates, we cannot close a site that does not fulfill this requirement.*
- Protect Human Health - *Submitted reports showed a potential threat to human health through vapor intrusion or direct exposure.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Groundwater impacted above WQOs
Indoor Air (Residential or Commercial)	Undetermined	Requires assessment

NOTES / COMMENTS

Additional work might be needed pending the results of actions required to protect human health and mitigate subsurface impacts.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 3, OTHER : 3

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

Other - *Sampling discontinued in three wells, MW-2, MW-3, and MW-4*

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0605700003

Review indicates:

- Site adequately characterized and the groundwater plume defined and monitored for concentration trends
- Hydrocarbon concentrations have steadily declined, and groundwater and other receptors are not threatened
- Agency (July 2010) has proposed NFA leading to case closure pending a neighborhood review of closure conditions

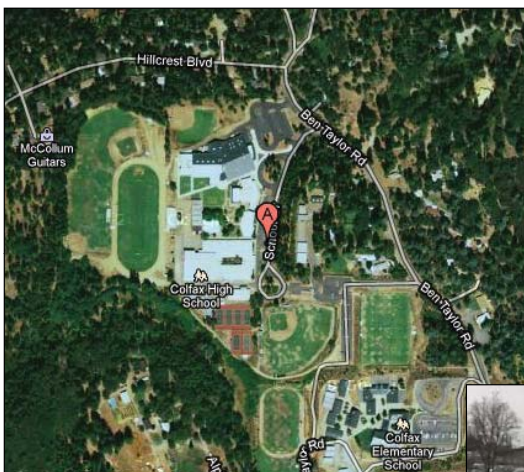
Discussion:

- Complete case closure

Case closure consideration (in process)

COLFAX HIGH SCHOOL (T0606100029)

24995 BEN TAYLOR ROAD, COLFAX, CA 95713



Case Age: 23 years
Primary COC: Gasoline
RP Identified by Regulator: Colfax City
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Colfax High School
Well Network: 5

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310039
 CASEWORKER: [PAUL SANDERS](#) - SUPERVISOR: Joe Mello
 PLACER COUNTY
 CASEWORKER: [WEST BOURGAULT](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Site is a school and RP is government entity
- Vapor intrusion possibility (indoor air)
- Collaboration between agencies (local agency, Placer County)
- Persistent GW contamination

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	Request for Closure	4/30/2010
OTHER REGULATORY ACTIONS	Technical	2/24/2010
	Correspondence / Assistance / Other	
OTHER REGULATORY ACTIONS	Technical	2/1/2010
	Correspondence / Assistance / Other	
OTHER REGULATORY ACTIONS	Meeting	1/26/2010
OTHER REGULATORY ACTIONS	Technical	1/20/2010
	Correspondence / Assistance / Other	
ENFORCEMENT/ORDERS	Staff Letter	12/16/2009
ENFORCEMENT/ORDERS	Staff Letter	7/23/2009
RESPONSE - REPORTS	VAPOR INTRUSION ASSESSMENT & HHRA	4/15/2009

Activities Conducted to Date Based on GeoTracker Info T0606100029

Assessment last 5 years

- 2010: Vapor survey (1 well)
- 2008: GW monitoring (5 MWs)
- 2007: Installation and sampling of 10 shallow soil vapor wells, 2 ambient air samples, and 5 GW samples
- 2006: Soil vapor survey, soil and GW and indoor air sampling

Remediation last 5 years

- None

Assessment older than 5 years

- 1987: Site assessment in soil and GW
- 1988: Soil and GW samples
- 1992: Installed 3 MWs
- 2001: Installed 2 MWs
- 2002: Additional GW sampling

Remediation older than 5 years

- 1987: Excavated 120-yd³ of backfill material

IMPEDIMENTS TO CLOSURE T0606100029

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ES)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/27/2010						VIEW ALL POSSIBLE CLOSURE REVIEW VALUES
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
Extent of Contamination Has Not Been Determined - An investigation to determine the nature and extent of hydrocarbons in shallow soil vapor and indoor and ambient air is underway. Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - An investigation to determine the nature and extent of hydrocarbons in shallow soil vapor and indoor and ambient air is underway.						
PLUME INSTABILITY						
Groundwater Contamination Plume Not Stable or Decreasing - Although concentrations have drop, elevated concentrations remain in groundwater well above background. Significant Rebound In Concentrations After Remediation - Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives.						
UNACCEPTABLE RISK						
Unacceptable Risks to Human Health from Soil - The failed HHRA accounted for both soil and soil vapor Unacceptable Risks to Human Health from Vapor Intrusion - The failed HHRA accounted for both soil and soil vapor						
PROCEDURAL IMPEDIMENTS						
Monitoring Wells Not Yet Abandoned - Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed Local Agency Objects to Case Closure - Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case. Reimbursements Delayed - Always a problem Other - Public participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAR) request.						
Other Impediments						
After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site.						
BENEFITS OF ADDITIONAL WORK						
Protect Human Health - Soil vapor and its impact to indoor air is the primary concern at this site.						

IMPEDIMENTS TO CLOSURE T0606100029

as reported by regulatory agency

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Yes
Indoor Air (Residential or Commercial)	Already Impacted	Yes

NOTES / COMMENTS

An investigation to determine the nature and extent of hydrocarbons in shallow soil vapor, indoor air and ambient air is underway. Once this investigation is complete a new HHRA will be completed. Although groundwater has been impacted only minor concentrations remain. Soil vapor and its impact to indoor air is the primary concern at this site. While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.

GROUNDWATER MONITORING FREQUENCY
OF WELLS MONITORED - SEMI-ANNUALLY : 5
Site History
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0606100029

Review indicates:

- Site is a high school
- Case is in closure consideration
- April 2010, RP consultant submitted Case Closure Request Report, in response to closure evaluation agreed upon with Central Valley Water Board → one additional sampling of vapor well
- Indoor air soil-vapor intrusion (into school building) is the primary concern at this site → 2006-2009, indoor air sampling generally detected TPH-g, occasionally benzene and toluene, and NDs for MTBE and naphthalene
- In 2008, GW sampling showed detection for TPH-g and NDs for TPH-d, MTBE, BTEX and naphthalene → reports indicated that GW natural attenuation is continuing and no new sources of GW contamination are present

Discussion:

- Case appears on track toward closure → complete closure process

Case closure consideration

BUFFALO TANK CORP (T0607700624)

5709 HWY 26 E. (AKA East Fremont Street), STOCKTON, CA 95201



Case Age: 17 years
Primary COC: Gasoline
RP Identified: Buffalo Tank Corp.
Potential Media Affected: Drinking water supply aquifer
Current land use: Farm/commercial
Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 390791
 CASEWORKER: JAMES BARTON - SUPERVISOR: JAMES MUNCH
 SAN JOAQUIN COUNTY LOP - CASE #: 1575
 CASEWORKER: LORI DUNCAN - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Funding issues delaying well destruction – EAR site (2010)
- Appears limited site activity/assessment at the beginning of the case
- Limited RP involvement in the beginning
- GW contamination

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Act
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	Verbal Communication	9/22/2010
NOTICES	Notice of Public Hearing / Board Action	9/1/2010
OTHER REGULATORY ACTIONS	Meeting	7/8/2010
RESPONSE - OTHER	Transmittal of Resolution No. R5-2010-0037	3/25/2010
ENFORCEMENT/ORDERS	Staff Letter	12/29/2009
OTHER REGULATORY ACTIONS	File review	12/8/2009
ENFORCEMENT/ORDERS	Verbal Enforcement	6/25/2009
ENFORCEMENT/ORDERS	Staff Letter	3/18/2009
RESPONSE - OTHER	Comments for Public Participation for Closure	3/16/2009
NOTICES	Notification - Public Notice of Case Closure	1/23/2009

Activities Conducted to Date Based on GeoTracker T0607700624

Assessment last 5 years

- Initial investigations/monitoring
- 2007 closure request
- 2009 case closure approval pending well destruction
- RP currently can't afford to remove wells

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Appears none

Remediation older than 5 years

- USTs removed

IMPEDIMENTS TO CLOSURE T0607700624

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/19/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
PROCEDURAL IMPEDIMENTS						
RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - <i>to abandon wells.</i> Monitoring Wells Not Yet Abandoned - <i>Landowner contacted to apply for OSCA funds.</i>						
Other Impediments						
The impediments to closure may be revised pending completion of the site investigation or other information.						
BENEFITS OF ADDITIONAL WORK						
Other - <i>needs well abandonment.</i>						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT		COMMENTS			
Groundwater	Already Impacted		due to release			
NOTES / COMMENTS						
Enforcement action may be necessary.						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0607700624

Review indicates:

- Rural setting UST site
- USTs removed, follow up investigation detected limited petroleum hydrocarbons in soil and shallow groundwater
- Case closure was subsequently submitted citing low risk groundwater case criteria
- 2009 agency approved closure, pending proper well destruction
- GeoTracker entry indicates RP having funding issues to remove wells

Discussion:

- Complete closure → case on track for immediate closure, pending well destruction

Immediate closure consideration upon well destruction

GREYHOUND LINES (T0611300203)

1874 South River Rd., West Sacramento, CA 95691



Case Age: 15 years
Primary COC: Diesel
RP Identified: Greyhound Lines, Inc.
Potential Media Affected: Drinking water supply aquifer
Current land use: Commercial/Industrial
Well Network: 7

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570256
 CASEWORKER: [DAVID STAVAREK](#) - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY
 CASEWORKER: [ALEEN SHAFI](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT			ACTIV
ACTION TYPE	ACTION	ACTION DATE	
ENFORCEMENT/ORDERS	Staff Letter	8/23/2010	
NOTICES	Notification - Public Participation Document	7/12/2010	
RESPONSE - OTHER	Additional info for closure evaluation.	7/9/2010	
ENFORCEMENT/ORDERS	Staff Letter	1/20/2010	
RESPONSE - OTHER	Telephone conversation with consultant	11/6/2009	
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009	
ENFORCEMENT/ORDERS	Staff Letter	7/22/2009	
OTHER REGULATORY ACTIONS	File review	9/11/2008	
ENFORCEMENT/ORDERS	Staff Letter	7/12/2005	

Possible Reasons Why This Case Is So Old

- Site characterized and monitored over several years
- Closure granted in 2010 pending well destruction

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0611300203

Assessment last 5 years

- Site characterization/remediation complete
- Agency grants low-risk closure pending well destruction in 2010

Remediation last 5 years

- NONE listed in GeoTracker

Assessment older than 5 years

- NONE listed in GeoTracker

Remediation older than 5 years

- NONE listed in GeoTracker

IMPEDIMENTS TO CLOSURE T0611300203

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>												
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>need to verify limits of plume</i> <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>gasoline hydrocarbons were detected,</i> <p>WELL IMPACTS</p> <ul style="list-style-type: none"> Other - <i>need well survey</i> <p>UNACCEPTABLE RISK</p> <ul style="list-style-type: none"> Other - <i>health risk assessment needed</i> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <i>need to complete closure items before wells are destroyed</i> Regional Water Board Objects to Closure - <i>need items from Appendix A regarding closure: health risk assessment, soil vapor survey, public participation, verify limits of plume</i> 												
<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>need items from Appendix A regarding closure: health risk assessment, soil vapor survey, public participation, verify limits of plume</i> 												
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>impacted with gasoline hydrocarbons</td> </tr> </tbody> </table>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	impacted with gasoline hydrocarbons
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS										
Groundwater	Already Impacted	impacted with gasoline hydrocarbons										
<p>NOTES / COMMENTS</p> <p>The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information.</p>												
<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - QUARTERLY : 7</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <ul style="list-style-type: none"> Other - <i>The RP stopped quarterly sampling in 2004. In our 12 July 2005 letter you were requested to submit new groundwater results, but our records indicate that no new groundwater data was submitted. By our 22 July 2009 letter to RP, they must sample all wells during the third quarter of 2009.</i> 												
<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0611300203

Review indicates:

- Site characterization complete
- **Agency granted low-risk case closure in 2010** pending proper well destruction and reporting
- Only one report/document in GeoTracker by RP, Addendum to Case Closure

Discussion:

- Complete case closure → well decommission

Case Closed pending well destruction confirmation

TUOL MDWS FUEL STN[UST# 39,76] (T0610900049) HWY 120, YOSEMITE NP, CA 95389



Case Age: 19 years
Primary COC: Gasoline
RP Identified: USNPS
Potential Media Affected: Drinking water supply aquifer
Current land use: National Park
Well Network: 6

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550068
 CASEWORKER: [PETER MINKEL](#) - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: [SYLVIA MIRELES](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Staff Letter	9/16/2010
RESPONSE - OTHER	E-mail of letter from consultant.	9/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	9/9/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	12/31/2009
RESPONSE - OTHER	Soil Gas Sampling and Risk Assessment September 2008	10/15/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	10/2/2009
ENFORCEMENT/ORDERS	Staff Letter	7/23/2009

Possible Reasons Why This Case Is So Old

- Soil excavation and SVE/AS implemented
- Several years of monitoring only
- Rise of vapor intrusion concern; study completed in 2008; no risk indicated
- RP is government entity, funding issues?
- GW contamination remains high

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0610900049

Assessment last 5 years

- Soil and soil-gas investigation and RA, no risk NFA recommended
- GWM, no reports available

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Multiple soil and groundwater investigations and GWM
- No reports or data to review

Remediation older than 5 years

- UST removal; soil excavation and disposal; SVE/AS
- No reports or data to review

IMPEDIMENTS TO CLOSURE T0610900049

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>												
<p>IMPEDIMENTS TO CLOSURE</p> <p>INADEQUATE SOURCE CONTROL</p> <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - <i>wells at source still extremely high</i> <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - <u>TPHg averaging 20,000 ppb and benzene averaging 60 ppb.</u> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <i>needed for verification monitoring</i> Other - <i>Public participation needed prior to closure</i> 												
<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Restore Beneficial Uses - <i>wells extremely high at source</i> 												
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>onsite and offsite wells contain TPHg and benzene above water quality goals</td> </tr> </tbody> </table>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	onsite and offsite wells contain TPHg and benzene above water quality goals
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<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0610900049

Review indicates:

- No reports/documents in GeoTracker
- Site adequately characterized including soil-gas
- Soil removal followed by SVE/AS initial response followed by GWM
- Recent VI concerns prompted soil-gas investigation; no risk indicated
- NFA on soil-gas was recommended; continue GWM
- TPH-g and benzene main drivers: averaging at 20,000-ppb and 60-ppb, respectively

Discussion:

- Benefit of MNA? What receptors are at risk?
- Cleanup closure timeline (verification monitoring)

Potential closure consideration (pending verification monitoring) within 1 year.

YOLO COUNTY FAIR (T0611300149)

1250 Gum Ave., Woodland, CA 95695



Case Age: 18 years
Primary COC: Gasoline
RP Identified: CA Construction Authority
Potential Media Affected: Drinking water supply aquifer
Current land use: Co. Fairgrounds
Well Network: 4

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570192
CASEWORKER: DAVID STAVAREK - **SUPERVISOR:** JAMES MUNCH
 YOLO COUNTY
CASEWORKER: ALEEN SHAFI - **SUPERVISOR:** NONE SPECIFIED

RECEIVED / ISSUE DATE **TITLE / DESCRIPTION**
 9/22/2010 22 September 2010 15:55 To: Michael Sellens From: David Stavarek re: Yolo Co. Fairgrounds, 1250 Gum, Woodland, Yolo co. Michael, I concur with your request to submit by 15 October 2010 a closure report for this site that was due 24 September 2010. Please contact me if there are other changes to this schedule. David - David Stavarek, P.G. Engineering Geologist CVRWQCB R5S, UST Unit II 11020 Sun Center Drive, No. 200 Rancho Cordova, 95670 (916) 464-4673 off. (916) 464-4704 fax dstavarek@waterboards.ca.gov >>> Michael Sellens 9/22/2010 8:29 AM >>> David: I need to request a short extension to the due date of the Request for Closure report, due this Friday (9/24/2010) You will have the report no later than 10/15/2010. Michael Sellens

Possible Reasons Why This Case Is So Old

- Multiple phases of investigation over time
- Government entity site, funding issues?

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	small with consultant	9/24/2010
ENFORCEMENT/ORDERS	Staff Letter	6/23/2010
RESPONSE - REPORTS	Groundwater Monitoring Report (Fourth Quarter 2009)	4/30/2010
RESPONSE - REPORTS	Groundwater Monitoring Report (First Quarter 2010)	4/30/2010
ENFORCEMENT/ORDERS	Staff Letter	1/25/2010
RESPONSE - OTHER	Geotracker denial	12/17/2009
RESPONSE - REPORTS	Groundwater Monitoring Report (Third Quarter 2009)	10/31/2009
ENFORCEMENT/ORDERS	Staff Letter	7/28/2009

Activities Conducted to Date Based on GeoTracker T0611300149

Assessment last 5 years

- Additional MtBE investigation
- Additional wells installed to various depths
- Agency request closure report as low-risk GW case

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Two phases of investigation
- GWM
- NFA requested
- RBCA

Remediation older than 5 years

- Two USTs removed
- SVE system operation, converted to bioventing

IMPEDIMENTS TO CLOSURE T0611300149

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>												
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <u>lateral and vertical extent downgradient of the former USTs needs to be defined because of nearby by City of Woodland municipal water supply well</u> <p>PLUME INSTABILITY</p> <ul style="list-style-type: none"> Other - need to verify whether the plume is stable or migrating to nearby City well <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - MtBE up to 8.7, but undefined <p>WELL IMPACTS</p> <ul style="list-style-type: none"> Municipal Wells Potentially Impacted - downgradient, nearby City of Woodland municipal water supply well <p>UNACCEPTABLE RISK</p> <ul style="list-style-type: none"> Other - risk assessment has not been completed <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - additional delineation of plume is needed, Regional Water Board Objects to Closure - risk assessment and delineation have not been completed 												
<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Fill-in RI Data Gaps - complete delineation of plume Protect Existing Water Supply Wells - downgradient water supply well 												
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already impacted</td> <td>MtBE at 8.7 ug/L</td> </tr> </tbody> </table>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already impacted	MtBE at 8.7 ug/L
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<p>NOTES / COMMENTS</p> <p>The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information.</p>												
<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - QUARTERLY : 4</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <ul style="list-style-type: none"> Assessment Incomplete - Four monitoring wells were not sampled for at least three years. Our 28July09 letter indicates that quarterly sampling of all the monitoring wells must resume quarterly monitoring. 												
<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0611300149

Review indicates:

- Site well characterized over time
- MtBE the only residual chemical of concern
- Recent GWM report concluded that no further action, reduced monitoring and no remediation was recommended
- 2010 agency letter concurs with report and requests closure report by September 2010 (extended to 15 Oct 2010)

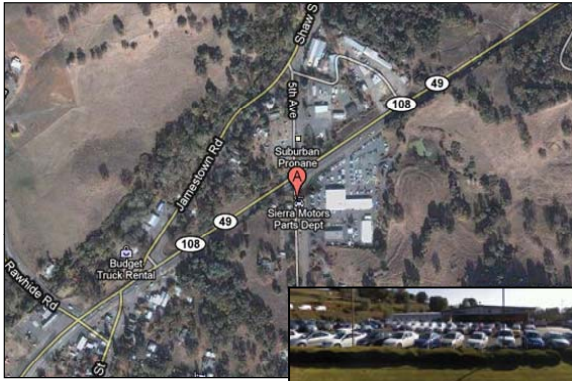
Discussion:

- Closure request submitted
- Complete closure – timeline within 1 year

Case appears on track to closure within 1 year

KELLEY MOTORS (T0610900090)

18475 5th Ave., Jamestown, CA 95327



Case Age: 15 years
Primary COC: Gasoline
RP Identified: Kelly Motors, Inc.
Potential Media Affected: Drinking water supply aquifer
Current land use: Auto dealership
Well Network: 4

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550114
 CASEWORKER: PETER MINKEL - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: SYLVIA MIRELES - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Initial investigation limited in scope
- Subsequent studies revealed a larger release had occurred
- Extent of contamination remains undefined – plume unknown
- RP slow to respond

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Second Half 2010 Semi-Annual Groundwater Monitoring	10/30/2010
RESPONSE - REPORTS	First Half 2010 Semi-Annual Groundwater Monitoring Report	4/30/2010
RESPONSE - REPORTS	Third Quarter 2009 Groundwater Monitoring Report	10/30/2009
RESPONSE - REPORTS	Second Quarter 2009 Groundwater Monitoring Report	7/30/2009
ENFORCEMENT/ORDERS	Staff Letter	7/22/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/19/2009

Activities Conducted to Date Based on GeoTracker T0610900090

Assessment last 5 years

- Initial soil-vapor survey
- Additional well installation and soil-gas investigation
- GWM

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Monitoring well installed in former waste-oil location; GWM
- NFA for other two USTs

Remediation older than 5 years

- USTs removed, surrounding soil disposed of

IMPEDIMENTS TO CLOSURE T0610900090

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>												
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <u>Need down gradient extent.</u> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>needed additional samples for risk assessment</i> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <u>TPH and solvents above water quality goals</u> 												
<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>No down gradient wells installed yet.</i> Restore Beneficial Uses - <i>TPH and solvents above water quality goals</i> 												
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>TPH and solvents above water quality goals</td> </tr> </tbody> </table>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	TPH and solvents above water quality goals
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<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - SEMI-ANNUALLY : 4</p>												
<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0610900090

Review indicates:

- USTs were removed, only one had leaked, others received NFA
- Initial investigation included only one well; incomplete assessment
- RWQCB eventually requested follow up soil and soil-gas assessment
- Most recent soil-gas investigation reported results were below detection
- Extent of groundwater impacts appears limited and decreasing
- Based on recent GWM Report (sampling on Feb 2010), most results were NDs or below MCLs, and NFA should be considered if PCE concentrations remain near or below current level

Discussion:

- Remaining items to address to meet closure criteria – monitoring result trend, risk assessment, etc?
- Cleanup closure timeline should be evaluated, appears near completion

Potential case closure consideration (pending monitoring results), possibly within 1 year

NACO WEST - YOSEMITE LAKES (T0610900093)

31191 Hardin Flat Rd., Groveland, CA 95321



Case Age: 15 years
Primary COC: Gasoline
RP Identified: Thousand Trails Inc
Potential Media Affected: Drinking water supply aquifer
Current land use: Tent camping/RV park
Well Network: 4

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550117
 CASEWORKER: PETER MNKEL - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: SYLVIA MIRELES - SUPERVISOR: NONE SPECIFIED

ACTION	ACTION DATE	RECEIVED / ISSUE DATE	TITLE / DESCRIPTION
Verbal Enforcement	10/27/2009	10/27/2009	Spoke with Scott Brown of Thousand Trails. We discussed the submittal of a formal No Further Action Request

Possible Reasons Why This Case Is So Old

- Appear little site activity after 1996
- Groundwater impacts very low
- Vapor survey (HHRA)?
- Government entity site, funding issues?
- Closure consideration in 2009 (no follow-up)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER:
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Verbal Enforcement	10/27/2009
OTHER REGULATORY ACTIONS	Meeting	10/22/2009
ENFORCEMENT/ORDERS	Staff Letter	7/23/2009
OTHER REGULATORY ACTIONS	File review	6/12/2009
ENFORCEMENT/ORDERS	Verbal Enforcement	10/21/2008
RESPONSE - REPORTS	Monitoring Report - Quarterly	1/31/2007

Activities Conducted to Date Based on GeoTracker T0610900093

Assessment last 5 years

- 2006 request for closure as low-risk case, no response from agency found in GeoTracker

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Monitoring wells installed

Remediation older than 5 years

- USTs removed

IMPEDIMENTS TO CLOSURE T0610900093

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>												
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <u>Need soil vapor survey and risk assessment.</u> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Other - <i>public participation needed prior to closure</i> 												
<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Verify Remedial Action Effectiveness - <i>need quarterly sampling at other seasons for verification</i> 												
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Review Conclusions T0610900093

Review indicates:

- Site located in a remote area
- Limited case information available in GeoTracker
- UST removed → minor hydrocarbons detected in soil
- Monitoring wells installed and sampled
- No TPH-g, BTEX, or oxygenate/additives detected in groundwater
- RP consultant expressed closure intention in 2006, little activity since
- Activities Report indicates discussion to submit formal NFA request in 2009, no follow-up since?

Discussion:

- Complete case closure process

Potential case closure consideration within 1 year

ESPARTO CORPORATION YARD (T0611300196)

26981 Woodland Ave., Esparto, CA 95627



Case Age: 15 years
Primary COC: Gasoline
RP Identified: Yolo Co Public Work
Potential Media Affected: Drinking water supply aquifer
Current land use: Commercial
Well Network: 7

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570249
 CASEWORKER: DAVID STAVAREK - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY

9/17/2009 21 September 2009 6:35 am To: Randy Wheeler From: David Stavarek re: Esparto Corporation Yard, 26981 Woodland Ave., Esparto, Yolo co. Randy, we have a paper copy, no electronic copies. Try Yolo Co. Env., they make electronic copies of everything (if they get a copy). David, David Stavarek, P.G. Engineering Geologist CVRWQCB RES, UST Unit II 11020 Sun Center Drive, No. 200 Rancho Cordova, 95670 (916) 464-4673 off. (916) 464-4704 fax dstavarek@waterboards.ca.gov >>> "Randy Wheeler" 9/17/2009 9:37 AM >>> David, Good morning, I was reviewing the Geotracker web site for the above reference project and I didn't find an electronic copy of one particular report: Closure Report dated 3/17/2007. Is there a chance you have this electronically that you could email to me? This work/review is in support of our Brownfields Assessment for the Esparto work, done under Yolo County Brownfields Grant. Thanks David. Let me know what you have. Regards, Wallace-Kuhl & Associates Randy L. Wheeler, REA, CEM Senior Environmental Scientist Wallace-Kuhl & Associates 3251 Beacon Boulevard, Suite 200 West Sacramento, CA 95691 916.372.1434 916.290.5429 (fax) rwheeler@wallace-kuhl.com www.wallace-kuhl.com Environmental & Ecological Services | Geotechnical Engineering | Engineering Geology | Earthwork Services | Construction Materials Testing and Inspection

ACTIVITIES REPORT		ACTIVITY TYPE	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
ENFORCEMENT/ORDERS	Staff Letter	6/24/2010	6/24/2010
RESPONSE - OTHER	Email with consultant	9/21/2009	9/17/2009
ENFORCEMENT/ORDERS	Staff Letter	7/27/2009	7/27/2009
OTHER REGULATORY	File review	11/5/2008	11/5/2008
ACTIONS			
ENFORCEMENT/ORDERS	Staff Letter	10/16/2007	10/16/2007
RESPONSE - OTHER	Request for Closure	3/17/2007	3/19/2007

Possible Reasons Why This Case Is So Old

- Appears little activity has occurred
- Appears limited regulatory oversight
- GWM stopped in 2005
- Government entity site, funding issues?

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0611300196

Assessment last 5 years

- Various letters indicate GWM has occurred
- 2009 regulatory letter indicates that NFA is potential

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- No reports or data to review

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0611300196

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> <p>IMPEDIMENTS TO CLOSURE</p> <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - <u>MtBE up to 120 ug/L</u> <p>WELL IMPACTS</p> <ul style="list-style-type: none"> Other - need well survey <p>UNACCEPTABLE RISK</p> <ul style="list-style-type: none"> Other - need health risk assessment <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - need to complete closure report, health risk, and well survey before closure is considered Regional Water Board Objects to Closure - need to complete closure report with health risk assessment, well survey, public participation, Appendix A items <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Other - need health risk assessment and public participation <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>MtBE up to 120 ug/L</td> </tr> </tbody> </table> <p>NOTES / COMMENTS</p> <p>The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information.</p>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	MtBE up to 120 ug/L
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Groundwater	Already Impacted	MtBE up to 120 ug/L										
<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - QUARTERLY : 7</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <ul style="list-style-type: none"> Other - Quarterly groundwater sampling stopped after the fourth quarter 2005. The RP was requested to resume quarterly sampling but did not. By letter of 27 July 09 the RP is requested to begin quarterly sampling of all seven wells to reestablish groundwater conditions. <p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0611300196

Review indicates:

- Limited reports/documents in GeoTracker
- Activities Report indicates (June 2010) *"...a closure report by 30 Oct 2010"*
- A 2010 regulatory letter indicates that if resumed GWM shows that additional work is not necessary, NFA may be appropriate and to submit a closure request
- Site appears to have a Closure Report dated 3/17/2007

Discussion:

- Has closure report been submitted?
- Possible cleanup closure → recent GWM trend

Case closure consideration (pending GWM results), possibly closure within 1 year

GASAMAT #952 (T0610100080)

660 Sutter St., Yuba City, CA 95991



Case Age: 46 (12) years
 Primary COC: Gasoline
 RP Identified: Gasamat Oil Co.
 Potential Media Affected: Drinking water supply aquifer
 Current land use: Gas station
 Well Network: 4

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 510087
 CASEWORKER: [JAMES BARTON](#) - SUPERVISOR: JAMES MUNCH
 SUTTER COUNTY
 CASEWORKER: [SUKH SAHOTA](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Appears no activity between 1998 and 2002
- Recalcitrant RP
- Funding issues
- Agency rescission of previous 2009 order
- Extent of GW contamination remains undefined

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Monitoring Report - Quarterly	1/30/2011
RESPONSE - OTHER	Email Schedule	11/5/2010
ENFORCEMENT/ORDERS	Staff Letter	10/25/2010
RESPONSE - WORKPLANS	Soil and Water Investigation Workplan	10/22/2010
RESPONSE - OTHER	Email to current owners	9/28/2010
RESPONSE - OTHER	Email Schedule and GeoTracker Upload	9/28/2010
OTHER REGULATORY ACTIONS	File review	9/20/2010
NOTICES	Notice of Public Hearing / Board Action	9/1/2010

Activities Conducted to Date Based on GeoTracker T0610100080

Assessment last 5 years

- Monitoring well installation
- GWM (inconsistent)

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Soil borings

Remediation older than 5 years

- UST system upgrade

IMPEDIMENTS TO CLOSURE T0610100080 as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/19/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
<ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>to date</i> Sensitive Receptor Survey Has Not Been Completed - <i>to date</i> 						
INADEQUATE SOURCE CONTROL						
<ul style="list-style-type: none"> Feasible Source Control Not Performed - <i>or evaluated to date</i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> Non-Responsive and / or Recalcitrant Responsible Party - stopped all work in 2007 RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - <i>New owner.</i> 						
Other Impediments						
<ul style="list-style-type: none"> The impediments to closure may be revised pending completion of the site investigation or other information. 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>for extent of groundwater plume</i> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT		COMMENTS			
Groundwater	Already Impacted		due to release			
NOTES / COMMENTS						
Enforcement action pending						
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED - QUARTERLY : 4						
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:						
Other - Wells not sampled since 2007. RP recalcitrant.						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0610100080

Review indicates:

- Site is a small, active gas station
- Limited borings and monitoring wells completed
- GeoTracker indicates recalcitrant RP, work stopped between 2007-2009
- Only minor concentrations of hydrocarbons detected in groundwater during 2010 sampling event; report recommends continued monitoring and further plume definition

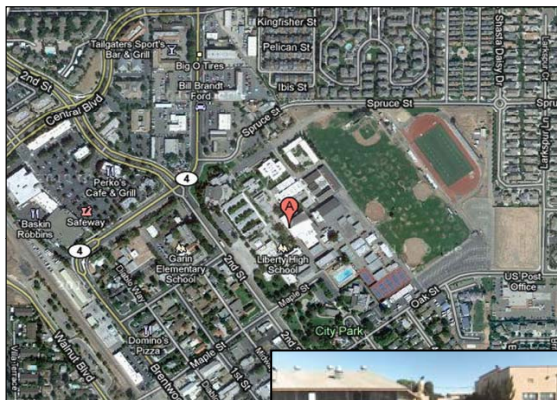
Discussion:

- GeoTracker data (release date) needs to be corrected, which will change age of case
- Benefits of additional investigation – establish GWM trend
- Develop cleanup approach and timeline

Appears to be on track

LIBERTY UNION HIGH SCHOOL (T0601300744)

850 2nd St., Brentwood, CA 94513



Case Age: 24years
Primary COC: Gasoline
RP Identified: Liberty Union School District
Potential Media Affected: Drinking water supply aquifer
Current Land Use: School
Well Network: 11

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 070003
 CASEWORKER: [PAT VELLINES](#) - SUPERVISOR: JAMES MUNCH
 CONTRA COSTA COUNTY
 CASEWORKER: [BRUCE BENIKI](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Sh
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Staff Letter	10/21/2010
ENFORCEMENT/ORDERS	Staff Letter	9/21/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	4/28/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	4/27/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	2/16/2010
ENFORCEMENT/ORDERS	Staff Letter	1/28/2010

Possible Reasons Why This Case Is So Old

- Appears little activity between 1985 and 2002
- Recalcitrant RP
- Government entity/School site
- High TPH-g and benzene concentrations in GW
- Vapor intrusion to be evaluated

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0601300744

Assessment last 5 years

- Agency letter indicates 2010 HVDPE pilot study approved
- Agency letter indicates 2010 soil and vapor intrusion survey
- No investigation reports or data available in GeoTracker

Remediation last 5 years

- Activity Reports indicates ongoing remedial activities, however, there are no reports or data available in GeoTracker to review

Assessment older than 5 years

- Activity Reports indicates ongoing investigation and monitoring, however there are no reports or data available in GeoTracker to review

Remediation older than 5 years

- Activity Reports indicates ongoing remedial activities, however, there are no reports or data available in GeoTracker to review

IMPEDIMENTS TO CLOSURE T0601300744

as reported by regulatory agency

LIBERTY UNION HIGH SCHOOL (T0601300744) - (MAP)

850 2ND ST
BRENTWOOD, CA 94513
CONTRA COSTA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 55) (LEAD) - CASE #: 070003
CASEWORKER: PAT VELLINES
CONTRA COSTA COUNTY
CASEWORKER: BRUCE BENIKI

- Summary
- Closure Review
- Cleanup Status History
- Regulatory Activities
- Environmental Data (ESI)
- Site Maps / Documents
- Community Involvement

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Pollutant Sources Have Not Been Adequately Identified or Evaluated - *undetermined - soil vapor samples contained chlorinated compounds, Kleinfelder is conducting a Phase 1 and checking as-built drawings and available utility information*
- Sensitive Receptor Survey Has Not Been Completed - *conducted in 1999, no file on shelf, requested from Kleinfelder*

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - *yes, most recent groundwater results for this site include 47,000 ppb TPHg and 5,700 ppb benzene*

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - *undetermined*
- Significant Rebound In Concentrations After Remediation - *remediation not complete*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - *yes*
- Groundwater Impacted Above Other Cleanup Goal - *yes, most recent groundwater results for this site include 47,000 ppb TPHg and 5,700 ppb benzene*

WELL IMPACTS

- Other - *need SRS*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - *undetermined - HHRA needs to be conducted*
- Unacceptable Risks to Human Health from Vapor Intrusion - *undetermined - HHRA needs to be conducted - additional soil vapor sampling being conducted*
- Unacceptable Risk from Soil Contaminants Entering Surface Runoff - *undetermined - HHRA needs to be conducted*

PROCEDURAL IMPEDIMENTS

- RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - *the school district does have funding problems, they are trying to get on the CUF but need more info to complete their application.*
- Site Data And Reports Not Uploaded to Geotracker - *no data has been uploaded since 2006*
- Monitoring Wells Not Yet Abandoned - *no not completed*

Other Impediments

- Public Participation needs to be conducted and a closure report needs to be submitted

IMPEDIMENTS TO CLOSURE T0601300744

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - *Kleinfelder is submitting a data gaps map with the next work plan*
- Verify Remedial Action Effectiveness - *remediation not complete*
- Remove / Reduce Source Mass - *not complete*
- Protect Existing Water Supply Wells - *need SRS*
- Protect Human Health - *need HHRA*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Other	Undetermined	need SRS from Kleinfelder

NOTES / COMMENTS

While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. This summary sheet represents a snap shot in time.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 6, ANNUALLY : 5

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0601300744

Review indicates:

- Site is a high school
- Activity Report indicates various investigation, monitoring, and remedial activities have occurred
- No investigation or remediation reports/data in GeoTracker; only limited groundwater data available and agency letters
- Based on available correspondence and reports, the site has extended GW plume containing elevated benzene concentrations and extending beneath adjacent structures
- VOCs are present prompting soil-gas investigation on adjacent properties
- Remedial alternatives are currently being evaluated (feasibility study report due December 2010)
- RP appears to be applying for Cleanup Fund

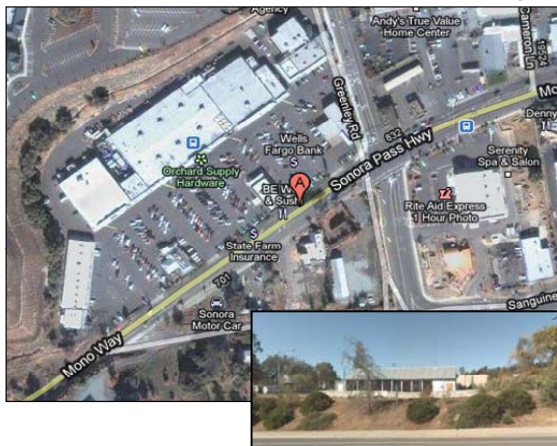
Discussion:

- Develop a remediation and cleanup closure timeline

Appears to be on track

OLD SONORA MAINTENANCE STATION (T0610900005)

785 Mono Way, Sonora, CA 95370



Case Age: 25 years
Primary COC: Gasoline
RP Identified: CA Dept. of Transportation
Potential Media Affected: Drinking water supply aquifer
Current land use: Commercial/Industrial
Well Network: 8

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550005
 CASEWORKER: PETER MINKEL - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: SYLVIA MIRELES - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Multiple phases of investigation over time
- Addition of oxygenates to analysis suite
- Active remediation now in progress
- Closure previously requested
- Vapor intrusion (HHRA)
- Government entity site, funding issues?

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activ
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Groundwater Monitoring Report-First Quarter 2010	4/30/2010
RESPONSE - REPORTS	Fourth Quarter 2009 Groundwater Monitoring	1/30/2010
ENFORCEMENT/ORDERS	Staff Letter	9/17/2009
RESPONSE - REPORTS	Soil Vapor Extraction and Air -Sparge Pilot testing Report	8/15/2009
RESPONSE - REPORTS	Groundwater Monitoring Report-Second Quarter 2009	7/30/2009
ENFORCEMENT/ORDERS	Staff Letter	7/23/2009
ENFORCEMENT/ORDERS	Staff Letter	6/4/2009
RESPONSE - WORKPLANS	Soil Vapor Extraction and Air -Sparge Pilot Sparge Test Plan	5/30/2009

Activities Conducted to Date Based on GeoTracker T0610900005

Assessment last 5 years

- Closure request
- Additional boring & wells
- GWM

Remediation last 5 years

- SVE & GWE recommended in 2009 RAP/SCM

Assessment older than 5 years

- Multiple soil and groundwater investigations
- GWM

Remediation older than 5 years

- USTs removed
- Soil excavation and disposal

IMPEDIMENTS TO CLOSURE T0610900005

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 4/7/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> <p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <u>soil vapor survey and risk assessment needed.</u> <p>INADEQUATE SOURCE CONTROL</p> <ul style="list-style-type: none"> Feasible Source Control Not Performed - <u>Starting air sparge/soil vapor extraction in source area soon.</u> <p>UNACCEPTABLE RISK</p> <ul style="list-style-type: none"> Unacceptable Risks to Human Health from Soil - <i>soil concentrations to be addressed by soil vapor extraction</i> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <i>needed to monitor progress of remediation</i> Other - <i>public participation needed prior to closure</i> <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Remove / Reduce Source Mass - <i>air sparge/soil vapor extraction wells and system to be installed.</i> <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>onsite and offsite wells contain TPHg above water quality goals</td> </tr> </tbody> </table> <p>NOTES / COMMENTS</p> <p>While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.</p> <p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - QUARTERLY : 8</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <p>Well Being Sampled During Remedial Action for Progress Assessment - <i>air sparge/soil vapor extraction system being installed and need to establish trends.</i></p>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	onsite and offsite wells contain TPHg above water quality goals
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS										
Groundwater	Already Impacted	onsite and offsite wells contain TPHg above water quality goals										

Review Conclusions T0610900005

Review indicates:

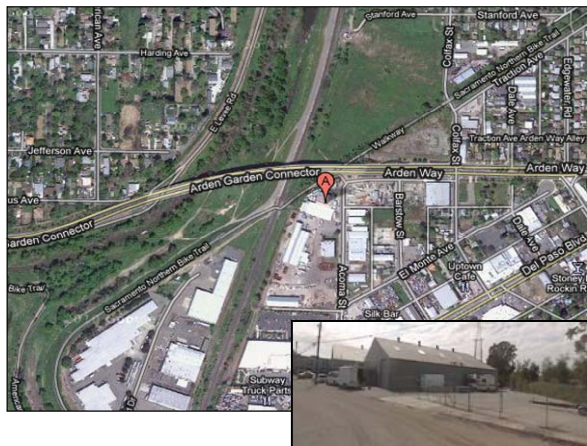
- Site adequately characterized
- SVE /AS pilot studies returned positive results
- Full system installation & operation in progress in 2010

Discussion:

- Evaluate effectiveness of remediation
- Establish cleanup closure timeline → any data gaps to fill?

Site appears to be on track

MC KESSON/RAWSON DRUG & SUNDRYS (T0606793621) 2189 ACOMA ST., SACRAMENTO , CA 95815



Case Age: 24 years
Primary COC: Gasoline
RP Identified: Mc Kesson Co.
Potential Media Affected: Drinking water supply aquifer
Current land use: Commercial
Well Network: 7

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 340104
 CASEWORKER: [VERA FISCHER](#)
 SACRAMENTO COUNTY LOP - CASE #: RO0000137
 CASEWORKER: [SUE ERIKSON](#)

Possible Reasons Why This Case Is So Old

- Multiple phases of investigations over time
- NAPL site – residual long term source
- Offsite VOC source addition
- Remediation in progress
- Vapor intrusion (HHRA)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Sh
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Pilot Test Report	*3/31/2011
ENFORCEMENT/ORDERS	Staff Letter	8/26/2010
RESPONSE - OTHER	Upload pilot test work plan, and other delinquent ESIs	5/10/2010
RESPONSE - REPORTS	1Q2010 Semi-Annual Monitoring Report	5/1/2010
ENFORCEMENT/ORDERS	Staff Letter	4/30/2010
RESPONSE - WORKPLANS	Pilot Test Work Plan	3/15/2010
RESPONSE - OTHER	GeoTracker - 4Q06 Geo Report; Proposed Remedial Program Geo Report; 3Q09 Geo Report; 3Q09 EDF, 3Q09 Geo Well	2/28/2010

Activities Conducted to Date Based on GeoTracker T0606793621

Assessment last 5 years

- 2006 closure request
- VOCs from offsite source detected
- Feasibility study

Remediation last 5 years

- RegenOx/ORC Injection pilot study

Assessment older than 5 years

- Multiple site investigations
- GWM

Remediation older than 5 years

- UST removed
- NAPL removal

IMPEDIMENTS TO CLOSURE T0606793621

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/23/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
INADEQUATE SOURCE CONTROL						
<ul style="list-style-type: none"> Feasible Source Control Not Performed - <i>Active remediation has not been attempted, no source control has been implemented. In-situ treatment has been proposed.</i> Remaining Source Poses Threat to Groundwater - <i>Contaminants continue to leach to groundwater. In-situ treatment has been proposed.</i> 						
PLUME INSTABILITY						
<ul style="list-style-type: none"> Verification Monitoring Not Complete - <i>In-situ treatment has been proposed. Continued monitoring is needed to evaluate the effectiveness of proposed remedial actions, and will be needed to evaluate post-remedial trends and establish a prediction of when WQOs will be met.</i> 						
GROUNDWATER IMPACTS						
<ul style="list-style-type: none"> Groundwater Impacted Above Background - <i>During 3Q2009 max concentrations: TPH-G 8,700 ug/l, benzene 890 ug/l.</i> Groundwater Impacted Above Other Cleanup Goal - <i>During 3Q2009 max concentrations: <u>TPH-G 8,700 ug/l, benzene 890 ug/l.</u></i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <i>Monitoring wells are being used, and will need to be destroyed prior to case closure.</i> 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> Verify Remedial Action Effectiveness - <i>Continued monitoring is needed to evaluate the effectiveness of proposed remedial actions, and will be needed to evaluate post-remedial trends and establish a prediction of when WQOs will be met.</i> Remove / Reduce Source Mass - <i>Implementation of proposed in-situ treatment will reduce source mass, thereby protecting and restoring beneficial uses.</i> Protect Designated Beneficial Uses - <i>Implementation of proposed in-situ treatment will reduce source mass, thereby protecting and restoring beneficial uses.</i> Restore Beneficial Uses - <i>Implementation of proposed in-situ treatment will reduce source mass, thereby protecting and restoring beneficial uses.</i> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	During 3Q2009 max concentrations: TPH-G 8,700 ug/l, benzene 890 ug/l.				
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED - SEMI-ANNUALLY : 7						
Site History						
A petroleum discharge from a past underground tank system was discovered while the property was leased and operated by McKesson Corporation. The property is currently owned by and was owned by The Garbero Family Trust when the tank system was removed in 1986. The Site is currently used as an office furniture warehouse, and surrounding land use is predominantly industrial and commercial. Soil and groundwater investigation has been performed and the remedial action pilot testing was approved in April 2010.						

Review Conclusions T0606793621

Review indicates:

- Multiple investigations have characterized release over time
- GWM reported decreasing concentrations at plume boundaries
- Case closure was requested in 2006
- Residual NAPL in source area combined with VOCs from offsite resulted in implementing in-situ treatment option
- 2010 RegenOx/ORC injection pilot test in progress
- Benzene main driver

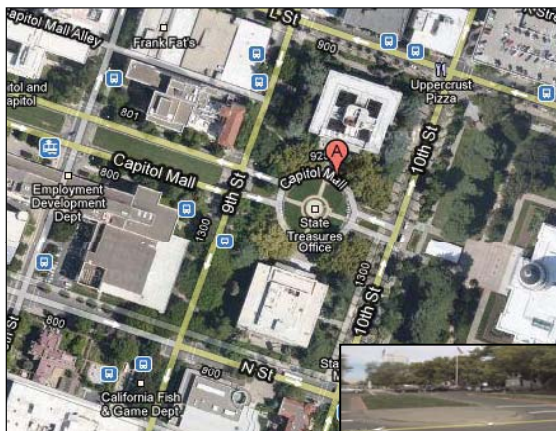
Discussion:

- Offsite VOC source ongoing?
- Pilot test results, indications?
- Evaluate effectiveness of remediation → establish timeline to meet clean up goals

Site appears to be on track

JESS UNRUH BLDG (T0606700090)

915 CAPITOL MALL, SACRAMENTO, CA 95818



Case Age: 23 years
Primary COC: Waste Oil/Motor Oil/Hydraulic/Lubricating
RP Identified by Regulator: Jim Ueda, Dept of General Services
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: State office building
Well Network: 3

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 340126
 CASEWORKER: [VERA FISCHER](#) - SUPERVISOR: CORI CONDON
 SACRAMENTO COUNTY LOP - CASE #: RB008/RO0000295
 CASEWORKER: [SUE ERIKSON](#) - SUPERVISOR: BARRY I. MARCUS

Possible Reasons Why This Case Is So Old

- Extent of contamination not fully defined
- Budget constraints – RP slow to comply
- RP is government entity, funding issues?
- Risk assessment (HHRA)
- Multiple tanks removed over different periods (1987, 1988, 1989)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT	ACTIVITY TYPE	FILE
<i>ACTION TYPE</i>	<i>ACTION</i>	<i>ACTION DATE</i>
RESPONSE - REPORTS	3Q2010 Semi-Annual Monitoring Report	11/1/2010
RESPONSE - REPORTS	Risk Assessment Report	8/30/2010
RESPONSE OTHER	Email electronic copy of the Draft Fact Sheet	7/15/2010
ENFORCEMENT/ORDERS	Staff Letter	6/7/2010
RESPONSE - REPORTS	Sensitive Receptor Survey	5/31/2010

Activities Conducted to Date Based on GeoTracker Info T0606700090

Assessment last 5 years

- 2010: HHRA
- 2009: Additional site investigation
- 2008: 5 soil borings (soil and GW assessment)
- 2007: 4 borings drilled (soil and GW samples collected)
- 2005: Site investigation (soil and GW)

Remediation last 5 years

- None

Assessment older than 5 years

- 1988: 3 GW wells installed and sampled
- 2000: GW sampled for closure consideration
- 2000-2003: GW monitoring

Remediation older than 5 years

- 1989: 290-tons of soil excavated

IMPEDIMENTS TO CLOSURE T0606700090 as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
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CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/23/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Pollutant Sources Have Not Been Adequately Identified or Evaluated - *Additional wells are needed to delineate the extent of contamination and further evaluate the source area. Additional work may be needed based on monitoring results.*
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Risk assessment needs to be performed. Additional work may be needed based on the results of the HHRA.*

INADEQUATE SOURCE CONTROL

- Feasible Source Control Not Performed - *The tanks have been removed, however contaminated soil remains and continues to leach to groundwater. Active remediation is needed to control and reduce source area contaminants.*
- Remaining Source Poses Threat to Groundwater - *Groundwater is impacted and the remaining source continues to leach to groundwater. Active remediation is needed to reduce mass and protect designated beneficial uses of groundwater.*

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - *The plume has not been adequately delineated to assess stability or trends. Active remediation is needed to reduce mass and protect designated beneficial uses of groundwater.*
- Verification Monitoring Not Complete - *After completion of active remediation, verification monitoring will be needed to confirm the effectiveness of remediation, monitor for rebound, and to establish post remedial trends. If verification monitoring results are non favorable, additional remedial action may be needed.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - *Bunker fuel and diesel have been detected in groundwater.*
- Groundwater Impacted Above Other Cleanup Goal - *Bunker fuel and diesel have been detected in groundwater above Water Quality Objectives.*

UNACCEPTABLE RISK

- Other - *A risk assessment needs to be performed. Additional work may be needed based on the results of the HHRA.*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Monitoring wells are being used, and will need to be destroyed prior to case closure.*

IMPEDIMENTS TO CLOSURE T0606700090 as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK

Remove / Reduce Source Mass - *Source mass continues to leach to groundwater and needs to be reduced by active remediation. Reduction of source mass will protect and restore designated beneficial uses.*

Protect Designated Beneficial Uses - *Source mass continues to leach to groundwater and needs to be reduced by active remediation. Reduction of source mass will protect and restore designated beneficial uses.*

Restore Beneficial Uses - *Source mass continues to leach to groundwater and needs to be reduced by active remediation. Reduction of source mass will protect and restore designated beneficial uses.*

Protect Human Health - *A HHRA must be performed to assure that risk to human health is evaluated and that human health is protected. Results of the HHRA may result in the necessity for remediation or other work.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Groundwater is impacted with bunker fuel, and diesel above WQOs.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 3

Site History

In 1987, two 1,500 gallon heating out underground storage tanks (USTs) were removed from the site, and petroleum hydrocarbons were detected in the soil. In 1988, a previously undocumented 5,000 gallon UST was discovered abandoned in place and filled with sand. In 1989, 290 tons of petroleum hydrocarbon contaminated soil was removed from the site. A total of three groundwater monitoring wells were installed during January 1988 and March 1990. Results of groundwater analysis show that petroleum hydrocarbons have impacted groundwater beneath the site.

Groundwater monitoring and delineation of the extent of contamination is ongoing.

Review Conclusions T0606700090

Review indicates:

- Site is currently an office building
- June 2010 RWQCB letter addresses: (1) public participation plan, (2) HHRA, and (3) additional investigation (well installation conducted to delineate GW plume)
- In 2009, RWQCB requested active remediation (delineate waste plume, regular GW monitoring, additional remediation and HHRA) to move site towards NFA
- In 2009, RWQCB indicated extent of soil contamination was defined, but not GW plume
- In 2009, remediation being planned (does not appear implemented)
- FS Report (2009) indicated contamination comprised of weathered diesel fuel and bunker oil in soil and GW

Discussion:

- Benefits of adding remediation?
- Establish cleanup closure approach and timeline

Appears to be on track

SHELL SS (EX-TEXAXO/REGAL) (T0601300768)

2010 Somersville Rd., Antioch, CA 94509



Case Age: 22 years
Primary COC: Gasoline
RP Identified: Shell
Potential Media Affected: Drinking water supply aquifer
Current Land Use: Commercial
Well Network: 6

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 070042
 CASEWORKER: [PAT VELLINES](#) - SUPERVISOR: JAMES MUNCH
 CONTRA COSTA COUNTY
 CASEWORKER: [BRUCE BENIKI](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Case re-opened → previously closed in 1997
- Persistent MtBE in one well
- Site redevelopment proposed
- No active remediation; pilot test only
- HHRA

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/25/2010	8/25/2010
ENFORCEMENT/ORDERS	Staff Letter	7/29/2010	7/29/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	7/1/2010	7/1/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/30/2010	6/30/2010
ENFORCEMENT/ORDERS	Staff Letter	6/8/2010	6/8/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/3/2010	6/3/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/19/2010	5/19/2010
ENFORCEMENT/ORDERS	Staff Letter	4/15/2010	4/15/2010
ENFORCEMENT/ORDERS	Staff Letter	2/11/2010	2/11/2010

Activities Conducted to Date Based on GeoTracker T0601300768

Assessment last 5 years

- Case reopened followed by an MtBE investigation
- SVE pilot study
- GWM

Remediation last 5 years

- 2003 UST system removal

Assessment older than 5 years

- Initial 3 monitoring wells
- Case closed 1997

Remediation older than 5 years

- Appears none

IMPEDIMENTS TO CLOSURE T0601300768

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/3/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
PLUME INSTABILITY						
Groundwater Contamination Plume Not Stable or Decreasing - RWQCB maintains MW7 not stable or decreasing, CRA wrote a letter refuting this for our review						
GROUNDWATER IMPACTS						
Groundwater Impacted Above Background - yes						
Groundwater Impacted Above Other Cleanup Goal - yes 770 ppb MtBE in groundwater						
WELL IMPACTS						
Other - Shell internal SRS was conducted - no water wells located within 1/2 mile of the site						
UNACCEPTABLE RISK						
Other - need to conduct human health risk assessment (HHRA)						
PROCEDURAL IMPEDIMENTS						
Site Data And Reports Not Uploaded to Geotracker - final reports will need to be submitted to Geotracker						
Monitoring Wells Not Yet Abandoned - no						
Other Impediments						
public participation needs to be conducted, closure report needs to be submitted						
BENEFITS OF ADDITIONAL WORK						
Remove / Reduce Source Mass - if remediation was conducted the contaminant mass would be reduced.						
Protect Human Health - need HHRA						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Undetermined	need time to clean up calculations				
NOTES / COMMENTS						
The impediments to closure may be revised pending completion of the site investigation.						
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED - SEMI-ANNUALLY : 3, ANNUALLY : 3						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0601300768

Review indicates:

- Site was a former Shell gas station, and redevelopment planned for 2010
- Case was initially closed in 1997, and reopened in 2003 due to MtBE detections in existing wells
- SVE pilot test removed limited hydrocarbons; full system not installed or operated
- Chemical concentrations decreasing (within acceptable levels?)
- One well has persistent MtBE, but concentrations are decreasing
- RWQCB's letter (Feb 2010) requested: (1) source of TBA, (2) time to reach WQOs, (3) surrounding land use, (4) soil vapor survey (5' and 15' bgs), (5) HHRA, (6) mass calculations for contaminants in soil and GW, and (7) public participation

Discussion:

- Remaining items inhibiting closure – MtBE, redevelopment, well destruction, others?

Appears to be on track

ALTAVILLE MAINTENANCE STN (T0600900007)

154 Monte Verde Rd., Altaville, CA 95221



Case Age: 21 years
Primary COC: Diesel
RP Identified: CA Dept. of Transportation
Potential Media Affected: Other groundwater (uses other than drinking water)
Current land use: Maintenance yard
Well Network: 8

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 050009
 CASEWORKER: PETER MINKEL - SUPERVISOR: Joe Mello
 CALAVERAS COUNTY - CASE #: 058-015-006
 CASEWORKER: TONY MARIS - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Multiple tanks removed over different periods
- Multiple investigations over time
- Local government site, funding issues?
- Long period of monitoring only
- 2009 reports recommends AS/O2 Injection
- Soil vapor survey (HHRA)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Fourth Quarter 2010 Groundwater Monitoring Report	4/30/2010
CLEANUP ACTION	Air sparging	1/12/2010
RESPONSE - REPORTS	Second Quarter 2009	7/31/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	7/28/2009
ENFORCEMENT/ORDERS	Staff Letter	7/22/2009
ENFORCEMENT/ORDERS	Staff Letter	5/11/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	4/20/2009

Activities Conducted to Date Based on GeoTracker T0600900007

Assessment last 5 years

- Additional wells
- GWM
- 2009 remedial options report recommends Air Sparging/O2 injection

Remediation last 5 years

- AS/O2 system being installed 2010

Assessment older than 5 years

- Initial soil borings
- Feasibility study/RAP
- SRS
- Monitoring wells installed
- GWM

Remediation older than 5 years

- Multiple USTs removed
- Over-excavation of tank pit

IMPEDIMENTS TO CLOSURE T0600900007

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009						VIEW ALL POSSIBLE CLOSURE REVIEW VALUES
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
<ul style="list-style-type: none"> • Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>soil vapor survey and risk assessment asked for in letter</i> 						
GROUNDWATER IMPACTS						
<ul style="list-style-type: none"> • Groundwater Impacted Above Other Cleanup Goal - <u>12,000 ppb TPHg, 3,600 ppb TPHd, and 550 ppb benzene.</u> 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> • Other - <i>Reduce contaminated groundwater concentrations within reasonable amount of time.</i> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	<u>Likely to remain above WQOs for >20 years w/o remediation</u>				
NOTES / COMMENTS						
They have one localized hot spot at MW-4 that would benefit from increased dissolved oxygen and whatever is found with the risk assessment.						

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 8

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

Well Being Sampled During Remedial Action for Progress Assessment - *increasing dissolved oxygen to enhance bioremediation*

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0600900007

Review indicates:

- Multiple source site
- Multiple investigations with limited remediation, followed by long period of monitoring
- Recent remedial options report recommended air sparging system with O2 injection, system installed and currently operating
- Results of system operation due November 2010
- April 2010 GWM Report indicates *“petroleum HC GW plume is limited in size, stable and being actively degraded through natural attenuation.”*

Discussion:

- Evaluate remediation effectiveness and rebound monitoring
- Long term monitoring versus closure (age of case, site usage, risk etc)
- Establish a cleanup closure timeline

Appears to be on track

AUBURN MAINTENANCE STATION - CALTRANS (T0606100052)
1050 HIGHWAY 49, AUBURN, CA 95603



Case Age: 21 years
Primary COC: Gasoline
RP Identified by Regulator: CA Dept of Transportation
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Used by CA Highway Patrol – limited street view
Well Network: 12?

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310065
 CASEWORKER: PAUL SANDERS - SUPERVISOR: Joe Mello
 PLACER COUNTY
 CASEWORKER: WEST BOURGAULT - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT	ACTIVITY TYPE FILTER: Show /	
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	3rd QTR 2010 OMR	10/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	9/10/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/31/2010
RESPONSE - REPORTS	Soil vapor survey results	*11/1/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/9/2010
ENFORCEMENT/ORDERS	Staff Letter	5/11/2010
RESPONSE - WORKPLANS	SVS Work Plan	5/3/2010
RESPONSE - REPORTS	Site Assessment Report	5/3/2010
RESPONSE - REPORTS	Final Remedial Action Report / Corrective Action Report	5/3/2010

Possible Reasons Why This Case Is So Old

- RP's funding limitation
- RP is a government entity
- Possible vapor intrusion (HHRA)
- Persistent GW contamination

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker Info
T0606100052

Assessment last 5 years

- 2010: Soil and soil vapor investigation
- Ongoing: GW monitoring (12 wells semi-quarterly; 8 wells annually)
- 2009: Field Investigation

Remediation last 5 years

- 2007: SVE with GAC and Air sparging

Assessment older than 5 years

- 1992: 4 Soil borings and 2 MWs installed; and sensitive receptor survey
- 1989 and 1990: 13 GW wells installation
- 1987 and 1988: Soil and GW investigation

Remediation older than 5 years

- 2004: Air sparging
- 2002: SVE with Catalytic Oxidation
- 2000: Air sparging
- 1993: Pump and treat
- 1992: SVE
- 1987: Excavate and dispose

IMPEDIMENTS TO CLOSURE T0606100052

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
<p style="font-size: small;">CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/26/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>						
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> • Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - A soil vapor survey and HHRA need to occur. <p>INADEQUATE SOURCE CONTROL</p> <ul style="list-style-type: none"> • Remaining Source Poses Threat to Groundwater - Active remedial work is ongoing. <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> • Groundwater Impacted Above Background - Although concentrations have drop, elevated concentrations remain in groundwater well above background. • Groundwater Impacted Above Other Cleanup Goal - Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives. • Groundwater Will Not Meet Relevant WQOs Before the Beneficial Use of the Groundwater is Needed - WQO would not be meet for 75 + years (the last time they were calculated) • Other - Stable and decreasing concentrations must be confirmed remedial work is complete and after all soil vapor plume and human health issues are addressed <p>WELL IMPACTS</p> <ul style="list-style-type: none"> • Domestic Wells Potentially Impacted - 3 nearby wells, all clean so far. <p>UNACCEPTABLE RISK</p> <ul style="list-style-type: none"> • Other - Can not be adequately assessed until a soil vapor survey and HHRA are completed. <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> • Monitoring Wells Not Yet Abandoned - Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed • Local Agency Objects to Case Closure - <u>Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.</u> • Other - Public Participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAR) request. <p>Other Impediments</p> <ul style="list-style-type: none"> • After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site. 						

IMPEDIMENTS TO CLOSURE T0606100052

as reported by regulatory agency

<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> • Fill-in RI Data Gaps - Fill-in Data Gaps • Verify Remedial Action Effectiveness - Active remedial work is ongoing. • Remove / Reduce Source Mass - Active remedial work is ongoing. • Restore Beneficial Uses - Restore Beneficial Uses • Protect Existing Water Supply Wells - There are 3 nearby domestic wells, all clean so far. • Protect Human Health - Protect Human Health 											
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th style="width: 35%;">SENSITIVE RECEPTOR</th> <th style="width: 35%;">TIME FRAME FOR IMPACT</th> <th style="width: 30%;">COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Domestic Wells</td> <td>Undetermined</td> <td>No hits so far</td> </tr> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>Yes</td> </tr> </tbody> </table>			SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Domestic Wells	Undetermined	No hits so far	Groundwater	Already Impacted	Yes
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS									
Domestic Wells	Undetermined	No hits so far									
Groundwater	Already Impacted	Yes									
<p>NOTES / COMMENTS</p> <p style="font-size: x-small;">While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.</p>											
<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - SEMI-ANNUALLY : 12, ANNUALLY : 8, OTHER : 1</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <ul style="list-style-type: none"> • Other - OW-1 no longer sampled 											
<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>											

Review Conclusions T0606100052

Review indicates:

- Site is an active Caltrans maintenance station
- In 2010, site has on-going investigation → soil and soil vapor
- In 2009, GWM detected TPH-g and BTEX (high in some MWs) and NDs for MTBE → RWQCB approved to suspend MTBE analysis in GW
- In 2006, RWQCB requested a human health risk assessment
- In 2005, RP requested closure – RWQCB initially concurred site as low-risk and requested for well abandonment, but later RWQCB denied closure due to incomplete investigation and remediation

Discussion:

- Evaluate the effectiveness of remediation
- Discuss benefit of soil vapor survey at this site
- Develop timeline for cleanup and closure

Site appears to be on track

CA CONSERVATION CORP (T0606100081)

3710 CHRISTIAN VALLEY RD, AUBURN, CA 95603



Case Age: 20 years
Primary COC: Gasoline
RP Identified by Regulator: CA Conservation Corp
Potential Media Affected: Aquifer used for drinking water
Current Land Use: Undetermined
Well Network: 6

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310098
 CASEWORKER: [PAUL SANDERS](#) - SUPERVISOR: Joe Mello
 PLACER COUNTY
 CASEWORKER: [WEST BOURGAULT](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- RP's budget/funding issues
- RP is a government entity
- Multiple USTs were removed over different time periods
- Vapor intrusion possibility (HHRA)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	2nd QTR 2010 SV QMR	7/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/28/2010
RESPONSE - REPORTS	1st QTR 2010 QMR	4/15/2010
ENFORCEMENT/ORDERS	Staff Letter	12/23/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	10/23/2009
RESPONSE - REPORTS	3rd QTR 2009 QMR	*11/3/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/26/2009
RESPONSE - REPORTS	2nd QTR 2009 QMR (SV & GW Samples)	7/31/2009

Activities Conducted to Date Based on GeoTracker Info

T0606100081

Assessment last 5 years

- 2008-ongoing: GW monitoring (6 semi-annually; 3 annually)
- 2008: Well installation, GWM and soil vapor survey

Remediation last 5 years

- None

Assessment older than 5 years

- 2001-2006: GW monitoring
- 1993: 3 USTs reported, and 3 GWM wells installed (no GW monitoring until 2000)
- 1991: 4 GWM wells installed

Remediation older than 5 years

- None

IMPEDIMENTS TO CLOSURE T0606100081

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ES)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/28/2010						VIEW ALL POSSIBLE CLOSURE REVIEW VALUES
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
<ul style="list-style-type: none"> • Extent of Contamination Has Not Been Determined - <i>Nature and extent of vapor plume not defined</i> • Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>Initial vapor samples fail Tier 1 HHRA, a Tier 2 HHRA and further assessment will be required.</i> 						
PLUME INSTABILITY						
<ul style="list-style-type: none"> • Other - <i>Nature and extent of vapor plume not defined</i> 						
GROUNDWATER IMPACTS						
<ul style="list-style-type: none"> • Groundwater Impacted Above Background - <i>Although concentrations have drop, elevated concentrations remain in groundwater well above background.</i> • Groundwater Impacted Above Other Cleanup Goal - <i>Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives.</i> 						
UNACCEPTABLE RISK						
<ul style="list-style-type: none"> • Unacceptable Risks to Human Health from Soil - <i>Unknon, waiting for HHRA</i> • Unacceptable Risks to Human Health from Vapor Intrusion - <i>Initial vapor samples fail Tier 1 HHRA, a Tier 2 HHRA and further assessment will be required.</i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> • Non-Responsive and / or Recalcitrant Responsible Party - <i>Lots of promises, little work. Funding always a problem due to budget issues.</i> • RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - <i>CA state government Site, so budget always an issue</i> • Monitoring Wells Not Yet Abandoned - <i>Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed</i> • Local Agency Objects to Case Closure - <i>Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.</i> • Other - <i>Public Participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFA) request.</i> 						
Other Impediments						
<ul style="list-style-type: none"> • After well destruction is complete, the Responsible party must document hat no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site. 						

IMPEDIMENTS TO CLOSURE T0606100081

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK		
<p>Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - <i>Soil vapor may be an issue</i></p> <p>Verify Remedial Action Effectiveness - <i>Initial vapor samples fail Tier 1 HHRA, a Tier 2 HHRA and further assessment will be required.</i></p> <p>Protect Designated Beneficial Uses - <i>Protect Designated Beneficial Uses</i></p> <p>Restore Beneficial Uses - <i>Restore Beneficial Uses</i></p> <p>Protect Human Health - <i>Initial vapor samples fail Tier 1 HHRA, a Tier 2 HHRA and further assessment will be required.</i></p>		
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Yes
NOTES / COMMENTS		
<p>4/16/2008 New GW wells define GW plume, but vapor wells HOT, I sent letter asking for continued QMRS, to convert SVS points into wells, QTRly vapor monitoring, and for a WP to define the nature and extent of the vapor plume.</p> <p>2/24/2009 Additional work never occurred due to contined budget issues. While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.</p>		
GROUNDWATER MONITORING FREQUENCY		
# OF WELLS MONITORED - SEMI-ANNUALLY : 6, ANNUALLY : 3		
Site History		
<p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>		

Review Conclusions T0606100081

Review indicates:

- Site appears to be located in remote area
- Site has approximately 10 single story buildings and numerous temporary and permanent small structures (paved around the main building)
- Primary issue on-site is vapor intrusion (TPH-g and benzene in shallow soil vapor)
→ has on-going soil vapor sampling analysis to define shallow vapor plume
- RP has budget issues that is impacting the progress of cleanup at this site
- Major contaminants in GW are TPH-g and MTBE (GW is not source of drinking water)
- In 2009, sampling results showed concentrations in GW decreasing and minor concentrations of MTBE (below HH screening levels) remain in shallow soil vapor

Discussion:

- What are the benefits of adding remediation?
- Evaluate the risk from vapor intrusion
- Establish a cleanup closure timeline

Appears on track, closure consideration pending soil vapor sampling results

SIERRA CENTRAL CREDIT UNION (T0611500056)

422 4TH ST MARYSVILLE, CA 95901



Case Age: 19 years
Primary COC: Gasoline
RP Identified: Sierra Central Credit Union
Potential Media Affected: Drinking water supply aquifer
Current land use: Commercial (Bank)
Well Network: 5

CLEANUP OVERSIGHT AGENCIES

CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 580069
 CASEWORKER: [MICHAEL SMITH](#) - SUPERVISOR: Joe Mello
 YUBA COUNTY
 CASEWORKER: [CLARK PICKELL](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT

ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Monitoring Report - Semi-Annually	1/30/2011
RESPONSE - REPORTS	Monitoring Report - Semi-Annually	7/30/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/29/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/29/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/28/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/27/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	10/17/2008

Possible Reasons Why This Case Is So Old

- Joint monitoring with commingled plume
- No active remediation, MNA current path
- HHRA – risk assessment
- Persistent GW contamination

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0611500056

Assessment last 5 years

- CPT borings and additional wells
- GWM
- Feasibility study/CAP

Remediation last 5 years

- None, MNA recommended action

Assessment older than 5 years

- Initial borings and monitoring wells
- GWM

Remediation older than 5 years

- Several USTs removed

IMPEDIMENTS TO CLOSURE T0611500056

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement									
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 3/3/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>															
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <p>Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Protection of human health and the environment cannot be assured until all potential risks, threats and other environmental concerns have been identified and assessed. Unassessed concerns for this site are potential impacts from vapor intrusion and direct exposure to soil contaminants.</p> <p>Sensitive Receptor Survey Has Not Been Completed - Threat to human health cannot be evaluated until completion of the SRS. Additional work, including delineation, fate and transport modeling, or remediation, may be needed based on the results of SRS.</p> <p>PLUME INSTABILITY</p> <p>Verification Monitoring Not Complete - Active remediation has not been proposed or implemented. Post remediation monitoring may be needed to determine if concentrations will remain below WQOs, or rebound, or to establish a post remedial declining trend.</p> <p>GROUNDWATER IMPACTS</p> <p>Groundwater Impacted Above Background - Contamination has impacted water quality, and impaired the beneficial uses of the underlying water resource.</p> <p>UNACCEPTABLE RISK</p> <p>Unacceptable Risks to Human Health from Soil - Residual soil concentrations potentially pose a risk to Human Health from dermal contact. Protection of Human Health is one of our mandates, we cannot close a site until the risks to Human Health are identified.</p> <p>Unacceptable Risks to Human Health from Vapor Intrusion - Impacted soil vapors might pose a risk to Human Health. Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.</p> <p>PROCEDURAL IMPEDIMENTS</p> <p>Monitoring Wells Not Yet Abandoned - The remaining monitoring wells have not been abandoned. Open wells are a direct conduit for pollution to reach groundwater.</p> <p>Other - Mass of contaminants removed and information for public participation notification have not been submitted.</p>															
<p>BENEFITS OF ADDITIONAL WORK</p> <p>Verify Remedial Action Effectiveness - Verification of remedial action effectiveness must be performed to assure protection of water quality and human health, which are requirements for closure.</p> <p>Remove / Reduce Source Mass - Reduction or removal of source mass will further protect the beneficial uses of the waters of the State, which is one of our mandates, we cannot close a site that does not protect current and future beneficial uses.</p> <p>Protect Human Health - The risks to human health must be evaluated.</p>															
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>Groundwater impacted above WQOs.</td> </tr> <tr> <td>Indoor Air (Residential or Commercial)</td> <td>Undetermined</td> <td>Impacted soil vapors might pose a risk to Human Health. Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.</td> </tr> </tbody> </table>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	Groundwater impacted above WQOs.	Indoor Air (Residential or Commercial)	Undetermined	Impacted soil vapors might pose a risk to Human Health. Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS													
Groundwater	Already Impacted	Groundwater impacted above WQOs.													
Indoor Air (Residential or Commercial)	Undetermined	Impacted soil vapors might pose a risk to Human Health. Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.													
<p>NOTES / COMMENTS</p> <p>Additional work might be needed pending the results of actions required to protect human health and/or mitigate subsurface impacts.</p>															
<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - SEMI-ANNUALLY : 3, ANNUALLY : 2</p>															
<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>															

Review Conclusions T0611500056

Review indicates:

- Site is a former Texaco gas station
- Release well characterized including commingled plume component
- No work requested by agency between 1992 and 2000, cited as reason for little activity
- Additional investigation including feasibility study and CAP
- CAP recommended MNA as approach to residual stable plume
- Plume monitoring on-going
- Second semi-annual 2010 GWM results indicates maximum TPH-g=19,000-ug/L, benzene=2,400-ug/L, toluene=24-ug/L, ethylbenzene=480-ug/L (MtBE not analyzed)

Discussion:

- Develop cleanup timeline and options → MNA timeframe, evaluate benefit of adding remediation

Appears to be on track

MEADOWVIEW COMMUNITY CENTER (SL205873047) 2450 MEADOWVIEW RD., SACRAMENTO, CA



Case Age: 18 years
Primary COC: Benzene, fuel oxygenates, gasoline, PCE
RP Identified: Dept. of Planning & Development, SAC
Potential Media Affected: Drinking water supply aquifer
Current land use: Medical facility
Well Network: 32+

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: SL205873047
 CASEWORKER: [GERALD DJUTH](#) - SUPERVISOR: [DUNCAN AUSTIN](#)

ACTIVITIES REPORT		ACTIVITY TYPE FILTER:
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	13267 Monitoring Program	3/3/2010
CLEANUP ACTION	Excavate and Dispose	9/22/2008
CLEANUP ACTION	Pump and Treat Groundwater	10/26/2006
RESPONSE - REPORTS	Monitoring Report - Quarterly	1/30/2003
CLEANUP ACTION	Pump and Treat Groundwater	3/5/2002
CLEANUP ACTION	Soil Vapor Extraction w/Other	3/20/2001
CLEANUP ACTION	Soil Vapor Extraction w/Other	8/20/1996
ENFORCEMENT - OTHER	* LETM - #95-810	5/30/1995
LEAK ACTION	Leak Reported	1/1/1993

Possible Reasons Why This Case Is So Old

- Commingled, widespread plume
- Multiple phases of remediation, ongoing
- Elevated benzene primary driver
- Site has been redeveloped
- Local government entity site

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker SL205873047

Assessment last 5 years

- Multiple phases of investigation
- MIP investigation/new PCE source area identified, excavation recommended
- GWM

Remediation last 5 years

- SVE/AS & GWE system operation (combination)
- Soil excavation and disposal (PCE)
- 2010 system updates

Assessment older than 5 years

- Initial soil and air investigation
- Feasibility study
- GWM

Remediation older than 5 years

- SVE/AS system operation (PCE)

IMPEDIMENTS TO CLOSURE SL205873047

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 4/14/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
INADEQUATE SOURCE CONTROL						
<ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - <u>over 1000 ug/l benzene remains at source area</u> 						
PLUME INSTABILITY						
<ul style="list-style-type: none"> Verification Monitoring Not Complete - Groundwater extractions system recently (February 2010) shut down, monitoring needed to confirm plume stability. 						
GROUNDWATER IMPACTS						
<ul style="list-style-type: none"> Groundwater Impacted Above Background - benzene concentrations over 1,000 ug/l 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> Verify Remedial Action Effectiveness - <u>Initiating pilot study to enhance biologic degradation from low volume air sparging.</u> Remove / Reduce Source Mass - <u>Over 28,000 ug/l TPH and 1,000 ug/l benzene remain in source area. RP has air sparge injection points in place and is initiating a pilot study to stimulate biologic degradation of the contaminants.</u> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	Water table has over 1,000 ug/l benzene.				
NOTES / COMMENTS						
This site is part of a Cleanup Program site with nearby PCE contamination from a former drycleaner. RP is attempting additional source area mass reduction in both sites. MRP has been updated as of 3 March 2010 reducing monitoring to semi-annual or annual in site monitoring wells.						

IMPEDIMENTS TO CLOSURE SL205873047

as reported by regulatory agency

Site History
<p>The City of Sacramento acquired this site in 1993 for the purpose of building a Community Center. About 5 acres in site, it was a former retail complex with a gas station on the corner of Meadowview Road and 24th Street. Initial environmental investigations showed the presence of dry cleaner solvent (perchloroethylene or PCE) in the soil, as well as petroleum hydrocarbons (gasoline) from the gas station.</p> <p>The City installed a Soil Vapor Extraction and Air Sparging System to clean up the PCE. It operated from 20 August 1996 and ceased operation on 6 March 2000. It removed about 187 lbs of PCE and about 153 lbs of gasoline hydrocarbons from the subsurface. At the time the system was turned off, it was believed that it had attained its goal of removing PCE from the subsurface, and diminishing concentration of PCE in the extracted soil vapor showed that it was not cost effective to continue to operate the system.</p> <p>The City installed a soil vapor extraction/air sparging system in the gasoline contamination area in May and June 2000. Full scale operation started in March 20, 2001 and ceased on May 7, 2002. About 2,500 pounds of gasoline hydrocarbons were removed by the system.</p> <p>On 3/5/2002, the City commenced operation of a groundwater extraction and treatment system to remove PCE from the groundwater. The system has removed about 52 pounds of PCE through 2009.</p> <p>The City installed groundwater extraction wells in the gasoline contamination source area and started a groundwater extraction and treatment system for gasoline on October 26, 2006. Through December 4, 2009, the system removed 2,765 lbs of gasoline hydrocarbons.</p> <p>8/22/2007 Reg Rd letter providing comments on 8/17/2007 Subsurface Investigation Report This report recommended removing soil near the source area, and provided data showing that downgradient soil gas levels are well below screening levels, therefore vapor intrusion into down gradient houses is unlikely.</p> <p>During September and October 2008, the City excavated soil in the source area of the PCE contamination, removing about 30 pounds of PCE.</p> <p>During the spring and summer of 2010, the City is initiating a low-level air sparge pilot test in the gasoline source area to stimulate biologic degradation of residual gasoline hydrocarbons. Also, the City is investigating a location to construct a new groundwater extraction well closer to the PCE source area.</p>

Review Conclusions SL205873047

Review indicates:

- Former site with gas station and dry cleaner with related spills
- The site has been characterized by multiple investigations → most recent identified a new PCE source area and recommended excavation
- Several active remediation systems have and continue to operate → typically focused on either PCE or on gasoline hot spots
- PCE source area excavated and soil disposed of offsite
- Plans to update and/or augment existing system appear to be in progress
- Closure Review indicates main issue is benzene detection at source area

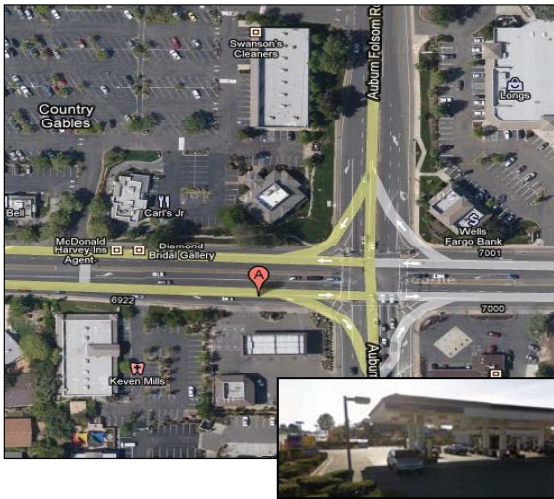
Discussion:

- Evaluate effectiveness of remediation
- Establish cleanup goals and timeline

Appears to be on track

BEACON #3642 - FORMER (T0606100187)

6990 DOUGLAS BLVD, GRANITE BAY, CA 95661



Case Age: 18 years
Primary COC: Gasoline
RP Identified by Regulator: Jeffrey Baker (Tesoro Petroleum Companies, Inc)
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: USA Gas Station
Well Network: 9

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310233
 CASEWORKER: PAUL SANDERS - SUPERVISOR: Joe Mello
 PLACER COUNTY
 CASEWORKER: WEST BOURGAULT - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Acti
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	2nd QTR 2010 OMR	7/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/9/2010
RESPONSE - REPORTS	1st QTR 2010 OMR	4/15/2010
RESPONSE - REPORTS	4th QTR 2009 OMR	1/15/2010
RESPONSE - REPORTS	3rd QTR 2009 OMR	10/15/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	9/24/2009
ENFORCEMENT/ORDERS	Staff Letter	7/27/2009
RESPONSE - REPORTS	2nd QTR 2009 OMR	7/15/2009
RESPONSE - REPORTS	1st QTR 2009 OMR	4/15/2009
ENFORCEMENT/ORDERS	Staff Letter	4/9/2009
RESPONSE - REPORTS	Another Modified HHRA	1/30/2009

Possible Reasons Why This Case Is So Old

- Multiple USTs removed over different periods (1992? and 1996 – report indicated tanks removed in 1996)
- Commingled plume
- Persistent GW contamination

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker Info T0606100187

Assessment last 5 years

- Ongoing: GW monitoring (4 wells quarterly, 9 wells semi-annually, 4 wells annually)
- 2008-2009: Tier 2 Risk-Based Corrective Action
- 2007: Soil sampling and 9 temporary soil gas probes

Remediation last 5 years

- 2009-2010: Air Sparging
- 2006: Chemical oxidation, In-situ
- 2005 and 2006: Air Sparging

Assessment older than 5 years

- 1993-ongoing: GW monitoring and sampling
- 2003: Soil-gas survey

Remediation older than 5 years

- None

IMPEDIMENTS TO CLOSURE T0606100187 as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/27/2010						VIEW ALL POSSIBLE CLOSURE REVIEW VALUES
IMPEDIMENTS TO CLOSURE						
INADEQUATE SOURCE CONTROL						
<ul style="list-style-type: none"> • Remaining Source Poses Threat to Groundwater - <i>Active remedial work is ongoing.</i> 						
PLUME INSTABILITY						
<ul style="list-style-type: none"> • Verification Monitoring Not Complete - <i>Will be required, Active remedial work is ongoing.</i> 						
GROUNDWATER IMPACTS						
<ul style="list-style-type: none"> • Groundwater Impacted Above Background - <i>Although concentrations have drop, elevated concentrations remain in groundwater well above background.</i> • Groundwater Impacted Above Other Cleanup Goal - <i>Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives.</i> • Groundwater Will Not Meet Relevant WQOs Before the Beneficial Use of the Groundwater is Needed - <i>Can not be accurately determined until an adequate amount of post remedial monitoring events have occurred</i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> • Monitoring Wells Not Yet Abandoned - <i>Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed</i> • Local Agency Objects to Case Closure - <i>Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.</i> • Other - <i>Public Participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAR) request.</i> 						
Other Impediments						
<ul style="list-style-type: none"> • After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site. 						

IMPEDIMENTS TO CLOSURE T0606100187 as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK		
<ul style="list-style-type: none"> • Verify Remedial Action Effectiveness - <i>Active remedial work is ongoing.</i> • Remove / Reduce Source Mass - <i>Active remedial work is ongoing.</i> • Protect Designated Beneficial Uses - <i>Active remedial work is ongoing.</i> • Restore Beneficial Uses - <i>Active remedial work is ongoing.</i> • Protect Human Health - <i>Active remedial work is ongoing.</i> 		
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Yes
NOTES / COMMENTS		
While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.		

GROUNDWATER MONITORING FREQUENCY
OF WELLS MONITORED - QUARTERLY : 4, SEMI-ANNUALLY : 9, ANNUALLY : 4
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:
<ul style="list-style-type: none"> • Well Being Sampled During Remedial Action for Progress Assessment - <i>Ongoing Remedial Work</i>

Review Conclusions T0606100187

Review indicates:

- Site is an active gas station
- Agency's email (June 2010) indicate suspending remedial work and begin post remedial monitoring
- Based on GW monitoring, dissolved concentrations persist in GW but are attenuating (GW is not being used and has no active risk pathway)
- MTBE plumes from the Tesoro and ARCO sites might have commingled, but recent monitoring indicates the plumes have separated and attenuated
- In 2009, the HHRA conducted - indicated site has no health risk by vapor intrusion or dermal/ingestion exposure from soil or vapor migration in shallow soil

Discussion:

- Evaluate recent remedial monitoring results
- Establish cleanup/closure timeline (consider current land use, risk etc)

Appears on track, could be closable soon – pending remedial monitoring results

FIRESTONE TIRE CO (FORMER SS) (T0606700550)

6939 65th St., Sacramento, CA 95823



Case Age: 18 years
Primary COC: Gasoline
RP Identified: JC Penney Co. Inc.
Potential Media Affected: Drinking water supply aquifer
Current land use: Under development
Well Network: 5

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 6S) (LEAD) - CASE #: 340645
 CASEWORKER: [VERA FISCHER](#)
 SACRAMENTO COUNTY LOP - CASE #: A583/B332/RO0000116
 CASEWORKER: [CHRISTINE ABAD](#)

Possible Reasons Why This Case Is So Old

- Deep aquifer with rising water levels
- Multiple investigations
- Active remediation only after MNA shown to be insufficient
- SVE/AOS ongoing
- Extent of contamination remains undefined

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Act
ACTION TYPE	ACTION	ACTION DATE
OTHER REGULATORY ACTIONS	File review	6/24/2010
OTHER REGULATORY ACTIONS	File review	6/16/2010
RESPONSE - WORKPLANS	Revised Distribution list for Fact Sheets	5/31/2010
RESPONSE - REPORTS	Submit NOI to operate under General Order	5/31/2010
RESPONSE - OTHER	Email copy of draft Fact Sheet to me for editing.	5/15/2010
RESPONSE - REPORTS	1Q2010 OMR	5/1/2010
ENFORCEMENT/ORDERS	Staff Letter	4/27/2010
RESPONSE - OTHER	ESI - 3Q2009 Geo Well File, 10/31/2009 Report titled: October 2009 - Month 1 Ozone Pilot Test Monitoring Report	3/31/2010
RESPONSE - WORKPLANS	Public Participation Plan and Draft Fact Sheet	3/31/2010

Activities Conducted to Date Based on GeoTracker T0606700550

Assessment last 5 years

- Additional wells (to replace submerged wells due to rising water levels)
- FS - CAP

Remediation last 5 years

- SVE/AOS well network installed
- Bench-scale test
- SVE pilot test
- System startup

Assessment older than 5 years

- Multiple soil and groundwater investigations on and offsite
- HHRA

Remediation older than 5 years

- 2 USTs and system removed
- SVE/GWE was recommended; agency denied in favor of MNA

IMPEDIMENTS TO CLOSURE T0606700550

as reported by regulatory agency

FIRESTONE TIRE CO (FORMER SS) (T0606700550) - (MAP)

6939 65TH ST
SACRAMENTO, CA 95823
SACRAMENTO COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 55) (LEAD) - CASE #: 340645
CASEWORKER: [YERA FISCHER](#)
SACRAMENTO COUNTY LOP - CASE #: A583/B332/RO0000116
CASEWORKER: [CHRISTINE ABAD](#)

- Summary
- Closure Review
- Cleanup Status History
- Regulatory Activities
- Environmental Data (ESI)
- Site Maps / Documents
- Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/23/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - The plume is not delineated. Recent site assessment work was performed for delineation, but additional delineation is needed.
- Sensitive Receptor Survey Has Not Been Completed - An updated sensitive receptor survey needs to be completed prior to closure.

INADEQUATE SOURCE CONTROL

- Feasible Source Control Not Performed - Active remediation, SVE and ozone sparging, is ongoing. The plume was migrating prior to initiation of remediation.
- Remaining Source Poses Threat to Groundwater - Active remediation, SVE and ozone sparging, is ongoing. The plume was migrating prior to initiation of remediation, and contaminants were continuing to leach to groundwater.

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - Prior to initiation of remediation, the plume was migrating. The plume remains undefined, and declining trends cannot be established.
- Verification Monitoring Not Complete - Continued monitoring is needed to evaluate the effectiveness of the remedial systems, evaluate ozone pilot test results, delineate and monitor the plume, and establish trends.

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - During the 3Q2009 max concentrations: TPH-G 110,000 ug/l, benzene 16,000 ug/l.
- Groundwater Impacted Above Other Cleanup Goal - During the 3Q2009 max concentrations: TPH-G 110,000 ug/l, benzene 16,000 ug/l.
- Groundwater Will Not Meet Relevant WQOs Before the Beneficial Use of the Groundwater is Needed - Declining trends have not been established and the plume is not delineated.

UNACCEPTABLE RISK

- Other - Contaminant concentrations in groundwater exceed MCLs.

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - Monitoring wells are being used, and will need to be destroyed prior to case closure.

IMPEDIMENTS TO CLOSURE T0606700550

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK

Fill-in RI Data Gaps - Additional work is needed to delineate the extent of the plume.

Verify Remedial Action Effectiveness - Continued monitoring is needed to evaluate the effectiveness of the remedial systems, evaluate ozone pilot test results, delineate and monitor the plume, and establish trends.

Remove / Reduce Source Mass - Continued remedial action will remove and reduce source mass, prevent further plume migration, will protect and restore beneficial uses, and will protect human health.

Protect Designated Beneficial Uses - Continued remedial action will remove and reduce source mass, which will protect beneficial uses.

Restore Beneficial Uses - Continued remedial action will remove and reduce source mass, which will restore beneficial uses.

Protect Human Health - Continued remedial action will remove and reduce source mass, which will reduce risk to human health.

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Contaminants detected above WQOs.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 3, ANNUALLY : 2

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:
Well Being Sampled During Remedial Action for Progress Assessment - SVE and Ozone Injection Pilot testing starting/started in April 2009.

Site History

Site USTs were removed in 1984, and an environmental investigation was initiated in 1992. Petroleum hydrocarbons have impacted soil and groundwater. Soil Vapor Extraction was implemented on 15 October 2008, air sparging was initiated in March 2009, and ozone injection pilot testing began in September 2009. Groundwater monitoring is ongoing, and feasibility testing of a final remedial strategy to address groundwater contamination is underway.

Additional delineation work is needed to determine the lateral and vertical extent of contamination.

Review Conclusions T0606700550

Review indicates:

- Site appears to be vacant/redeveloped
- Multiple investigations over time
- Groundwater is deep (~100 ft bgs) and rising over time → requiring additional wells to monitor
- Agency approved MNA if conditions remained favorable
- Concentrations remained high in groundwater in source area
- SVE/AOS recommended, bench-scale and pilot tests conducted, positive
- System approved, installed, and operating
- Benzene concentrations main driver (~16,000 ppb)

Discussion:

- Evaluate effectiveness of remediation → timeline to reach asymptotic state, rebound monitoring, etc.
- Establish cleanup closure timeline

Appears on track

MOBIL CHEMICAL CO (T0611300155)

1351 Beamer St. E., Woodland, CA 95695



Case Age: 18 years
Primary COC: Alcohols
RP Identified: Mobil Chemical Corp.
Potential Media Affected: Drinking water supply aquifer
Current land use: Industrial chemical plant
Well Network: 26

CLEANUP OVERSIGHT AGENCIES	
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570200	CASEWORKER: DAVID STAVAREK - SUPERVISOR: JAMES MUNCH
YOLO COUNTY	CASEWORKER: ALEEN SHAFI - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Multiple investigation over time
- Initial remediation SVE/AS, incomplete
- Most recently, in-situ chem-ox in progress
- Soil vapor intrusion (HHRA)

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show A	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
RESPONSE - OTHER	Telephone conversation with consultant	9/23/2010	9/23/2010
RESPONSE - REPORTS	Second Quarter 2010 Groundwater Monitoring Report	7/30/2010	7/30/2010
RESPONSE - OTHER	Letter from RP, change in Manager	6/21/2010	6/30/2010
ENFORCEMENT/ORDERS	Staff Letter	6/16/2010	6/16/2010
ENFORCEMENT/ORDERS	Staff Letter	5/19/2010	5/19/2010
RESPONSE - WORKPLANS	Work Plan for Groundwater Monitoring Well and Soil Vapor Probe Destruction	5/14/2010	5/17/2010

Activities Conducted to Date Based on GeoTracker T0611300155

Assessment last 5 years

- Additional assessments
- GWM

Remediation last 5 years

- In-situ chem-ox pilot test recommended and approved

Assessment older than 5 years

- Multiple phases of investigation – soil borings, groundwater and vapor monitoring wells
- SRS

Remediation older than 5 years

- Solvent USTs removed
- SVE/AS

IMPEDIMENTS TO CLOSURE T0611300155

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
PLUME INSTABILITY Other - need more monitoring to verify plume defined by new groundwater data						
GROUNDWATER IMPACTS Groundwater impacted Above Background - TPHg at 3,700 ug/L, TPHd at 1,100 ug/L, n-propylbenzene at 6.7 ug/L, isopropylbenzene at 7.7 ug/L, naphthalene at 7.9 ug/L, acetone at 190,000 ug/L, Stoddard solvent at 1,200 ug/L, and keosene at 1,100 ug/L.						
WELL IMPACTS Other - nearby domestic water supply wells have the potential of being contaminated.						
UNACCEPTABLE RISK Other - health risk assessment needs to be finalized.						
PROCEDURAL IMPEDIMENTS Monitoring Wells Not Yet Abandoned - groundwater evaluation not yet complete, possible remediation activities will require wells to monitor remediation effectiveness Regional Water Board Objects to Closure - need groundwater evaluation, health risk, possible remediation						
BENEFITS OF ADDITIONAL WORK Protect Designated Beneficial Uses - protect water Protect Human Health - health risk assessment not completed						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	TPHg at 3,700 ug/L, TPHd at 1,100 ug/L, n-propylbenzene at 6.7 ug/L, isopropylbenzene at 7.7 ug/L, naphthalene at 7.9 ug/L, acetone at 190,000 ug/L, Stoddard solvent at 1,200 ug/L, and keosene at 1,100 ug/L.				
NOTES / COMMENTS The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information.						
GROUNDWATER MONITORING FREQUENCY # OF WELLS MONITORED - QUARTERLY : 12, ANNUALLY : 14						
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING: • Assessment Incomplete - Quarterly sampling of OW-1 through OW-13 and DM-42 before first quarter 2004. Annual sampling of these wells from first quarter 2004 through 2008. With the 28July09 letter OW-1 through OW-13 and DM-42 continues with annual sampling. Recently installed wells MW-1 through MW-12 must be sampled quarterly to obtain sufficient data to determine a trend for these new wells.						
Site History The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0611300155

Review indicates:

- Site is a former chemical plant
- USTs removed and initial assessments conducted
- Additional investigations of soil, soil-vapor, and groundwater conducted
- Limited SVE/AS operation conducted, incomplete
- 2010 regulatory letter approving in-situ chem-ox pilot test
- Case appears to be actively being worked on and on track toward closure

Discussion:

- Evaluate effectiveness of remedial plan
- Establish cleanup timeline

Site appears to be on track

BEACON #3527 (FORMER) (T0606100215)

601 SUNRISE AVE, ROSEVILLE, CA 95661



Case Age: 17 years
Primary COC: Gasoline
RP Identified by Regulator: Ultramar
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Sunrise Shell
Well Network: 9

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310267
 CASEWORKER: PAUL SANDERS - SUPERVISOR: Joe Mello
 ROSEVILLE, CITY OF
 CASEWORKER: THOMAS DODARO - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Persistent GW contamination (mainly TPH-g)
- Vapor intrusion issues (HHRA)
- Multiple site investigations, monitoring and on-going remediation

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show /
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Interim Remedial Action Report	*12/12/2010
RESPONSE - REPORTS	3rd QTR 2010 SV & GW sampling event	10/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/31/2010
RESPONSE - WORKPLANS	Remedial well Installation Report	*10/1/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/9/2010
ENFORCEMENT/ORDERS	Staff Letter	7/29/2010
RESPONSE - REPORTS	2nd QTR 2010 QMR	7/15/2010
RESPONSE - WORKPLANS	Pilot Study / Treatability Workplan	6/30/2010
OTHER REGULATORY ACTIONS	Technical Correspondence /	6/14/2010

Activities Conducted to Date Based on GeoTracker Info

T0606100215

Assessment last 5 years

- Ongoing: GWM (9 semi-annual; 2 annual) and remedial monitoring
- 2008-2009: Soil vapor sampling, and soil and GW investigation

Remediation last 5 years

- 2008-2009: Ozone sparging and biovent/SVE (6 ozone wells)

Assessment older than 5 years

- 1993: 3 MWs installed and quarterly GW monitoring
- 2000: 1 MW installed
- 2002: Surface water sampling
- 2003: 3 MWs installed

Remediation older than 5 years

- 2003-2006: Vacuum truck

IMPEDIMENTS TO CLOSURE T0606100215 as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
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CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/27/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *Submitted HHRA not adequately protective, a new one will be required.*

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - *Yes, and thus Active remedial work continues*

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - *Increasing concentrations in MW-2*
- Verification Monitoring Not Complete - *Will be required once active remedial work is complete*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - *Although concentrations have drop, elevated concentrations remain in groundwater well above background.*
- Groundwater Impacted Above Other Cleanup Goal - *Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives.*
- Groundwater Will Not Meet Relevant WQOs Before the Beneficial Use of the Groundwater is Needed - *Active remedial work is ongoing.*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - *Submitted HHRA not adequately protective, a new one will be required, but active remedial work is ongoing. A new one will be requested after remedial work is complete*
- Unacceptable Risks to Human Health from Vapor Intrusion - *Submitted HHRA not adequately protective, a new one will be required, but active remedial work is ongoing. A new one will be requested after remedial work is complete*
- Unacceptable Risk from Contaminated Groundwater Day Lighting to Surface Water - *A possibility being evaluated*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed*
- Local Agency Objects to Case Closure - *Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.*
- Reimbursements Delayed - *Always a problem*

IMPEDIMENTS TO CLOSURE T0606100215 as reported by regulatory agency

- Other - *Public Participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAR) request.*

Other Impediments

- After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site.

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - *Active remedial work is ongoing.*
- Remove / Reduce Source Mass - *Active remedial work is ongoing.*
- Restore Beneficial Uses - *Active remedial work is ongoing.*
- Protect Human Health - *Active remedial work is ongoing.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Yes
Surface Water (Bay, Estuary, Stream, Lake)	1-10 Years	Potential

NOTES / COMMENTS

While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 9, ANNUALLY : 2

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification site monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0606100215

Review indicates:

- Site is currently an active gas station
- Closure Review (1/27/2010) indicates “HHRA not adequately protective”
- GW constituent concentrations generally decreasing across the site
- May 2010 GWM: concentrations localized at the source area well (MW2)
→ TPH-g = 3,000-ug/L, benzene = 66-ug/L, toluene = 4-ug/L,
ethylbenzene = 42-ug/L, xylene = 50-ug/L and MtBE = 15-ug/L
- In 2009: only minor detections of constituents in soil samples (5-9.5-ft)
- Nov 2008: RP conducted soil vapor survey and HHRA → benzene, MtBE and TPH-g present in soil vapor represent the primary risk drivers

Discussion:

- Evaluate effectiveness of remediation and trend of monitoring results
- Establish cleanup timeline (continued petroleum use site)

Appears to be on track

TOSCO – FACILITY #0164 (T0611300168)

208 MAIN ST, WOODLAND, CA 95695



Case Age: 17 years
Primary COC: Waste
 Oil/Motor/Hydraulic/Lubricating
RP Identified by Regulator: Tosco Marketing
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: U-Haul/Union 76
Well Network: 23

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570218
 CASEWORKER: [DAVID STAVAREK](#) - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY
 CASEWORKER: [ALEEN SHAFI](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT	ACTIVITY TYPE FILTER:	
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	Email with consultant	9/17/2010
RESPONSE - REPORTS	Quarterly Status Summary Report Second Quarter 2010	7/30/2010
ENFORCEMENT/ORDERS	Staff Letter	7/26/2010
RESPONSE - OTHER	Telephone conversation with Property Owner	7/14/2010

Possible Reasons Why This Case Is So Old

- Multiple USTs removed over different periods (1993 and 1999)
- Multiple phases of site assessments/investigations
- MtBE in GW
- Contamination migrated off-site

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker Info T0611300168

Assessment last 5 years

- Ongoing: GW monitoring (23 wells)
- 2008: Bench scale treatability testing conducted
- 2008: 7 off-site borings, grab GW, and 8 off-site monitoring and remedial/injection wells.
- 2006: 3 GW wells, sensitive receptor survey
- 2005: 4 off-site borings, 6 soil vapor points, GW modeling (FLOWPATH II), 3 GW wells

Remediation last 5 years

- 2009: 2 off-site ozone injection systems
- 2007: Ozone sparging

Assessment older than 5 years

- 2004: Soil gas survey and HHRA
- 2003: Two angled soil borings
- 2002: 5 CPTs
- 2001: Water supply well survey (2,00 ft²), field reconnaissance, 4 GW wells (GW monitoring)
- 2000: One soil boring drilled, and 3 GW wells

Remediation older than 5 years

- 2003: Ozone sparging and installed 28 ozone wells
- 2002: Dual phase extraction

IMPEDIMENTS TO CLOSURE T0611300168

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/28/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE <ul style="list-style-type: none"> • Other - site assessment may be complete with addition of five offsite monitoring wells. additional groundwater sampling will be needed to evaluate whether the latest wells (2009) are sufficient to define the extent of the plume of MtBE. 						
PLUME INSTABILITY <ul style="list-style-type: none"> • Verification Monitoring Not Complete - additional groundwater sampling is needed to verify that the recently install monitoring wells are sufficient to define the downgradient edge of the plume of MtBE. 						
GROUNDWATER IMPACTS <ul style="list-style-type: none"> • Groundwater Impacted Above Background MtBE is 1,000 to 4,000 ug/L in groundwater. 						
Other Impediments <ul style="list-style-type: none"> • Water quality objectives are exceeded. 						
BENEFITS OF ADDITIONAL WORK <ul style="list-style-type: none"> • Fill-in RI Data Gaps - Need to finish site characterization. This will require sampling of groundwater below 50 feet bgs to verify the vertical limits of the plume of MtBE. • Verify Remedial Action Effectiveness - Ongoing remediation necessitates that additional sampling is needed to verify its effectiveness. Also, remediation of the offsite plume recently (2009) characterized must be remediated. This is to begin shortly. • Protect Designated Beneficial Uses - Groundwater remediation is needed to protect deeper groundwater which is used by the City of Woodland as their primary source for municipal water supply. 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	shallow groundwater is impacted by MtBE well above water quality goals.				
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED - QUARTERLY : 8, SEMI-ANNUALLY : 5, ANNUALLY : 6, OTHER : 4						
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:						
Well Being Sampled During Remedial Action for Progress Assessment - Remediation is ongoing, and new second portion of plume being defined. Eight new wells installed in mid 2008. By letter of 28July09 Annual sampling during the second quarter of each calendar year for monitoring wells U-5, U-8, U-9, U-10, U-10D, and U-13, appears appropriate for your facility. Semi-annual sampling of U-1, U-6, U-11, U-12, and U-14 during the second and fourth quarters appears appropriate. You may stop sampling of U-2, U-3, U-4, and U-7 until directed otherwise by us. Quarterly sampling of new wells U-15 through U-22 is needed until there is sufficient data to determine a trend for these wells.						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0611300168

Review indicates:

- Site is currently an active gas station
- Site has MtBE contamination in GW and has migrated off-site
- July 2010: RWQCB letter concurred with RP consultant that increases in TPH-g, benzene, and MtBE concentrations in well U-1 was due to increase in GW levels and not a new release
- Site has on-going remediation

Discussion:

- Evaluate effectiveness of remediation → remedial sampling results trend analysis
- Establish cleanup closure timeline

Appears to be on track

SCHROLL RESIDENCE (T10000000339)

950 Paintbrush Court, Norden, CA 95724



Case Age: 17 years
 Primary COC: Diesel, heating oil/fuel oil
 RP Identified: "Unknown"
 Potential Media Affected: Soil, surface water, drinking water supply aquifer
 Current land use: Residential
 Well Network: 2

No Street View Available

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310418
 CASEWORKER: PAUL SANDERS - SUPERVISOR: Joe Mello

Possible Reasons Why This Case Is So Old

- Case transferred between agencies
- Commingled plume case
- Funding issue → work stopped due to financial constraints
- New site as of 9/10/2008?

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	3rd QTR 2010 QMR	10/15/2010
RESPONSE - REPORTS	2nd QTR 2010 QMR	7/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/28/2010
ENFORCEMENT/ORDERS	Staff Letter	5/11/2010
RESPONSE - REPORTS	1st QTR 2010 QMR	4/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	12/9/2009
OTHER REGULATORY ACTIONS	Site Visit / Inspection / Sampling	9/29/2009
RESPONSE - REPORTS	Soil and Water Investigation Report	*12/1/2009
ENFORCEMENT/ORDERS	Verbal Enforcement	8/6/2009

Activities Conducted to Date Based on GeoTracker T10000000339

<p>Assessment last 5 years</p> <ul style="list-style-type: none"> • Investigation of dowgradient properties indicating an up-gradient source (Schroll) • Additional investigation 	<p>Remediation last 5 years</p> <ul style="list-style-type: none"> • Appears none
<p>Assessment older than 5 years</p> <ul style="list-style-type: none"> • Appears none 	<p>Remediation older than 5 years</p> <ul style="list-style-type: none"> • 2 USTs removed with minor soil excavation

IMPEDIMENTS TO CLOSURE T1000000339

as reported by regulatory agency

SCHROLL RESIDENCE (T1000000339) - (MAP)

950 PAINTBRUSH COURT
NORDEN, CA 95724
PLACER COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 8S) (LEAD) - CASE #: 310418
CASEWORKER: PAUL SANDERS

Summary | Closure Review | Cleanup Status History | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Incomplete Conceptual Site Model (CSM) - New site as of 9/10/2008, the CSM is still being formulated
- Pollutant Sources Have Not Been Adequately Identified or Evaluated - Additional site work has been proposed and approved
- Extent of Contamination Has Not Been Determined - Additional site work has been proposed and approved
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Additional site work has been proposed and approved

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - Likely, very high groundwater concentrations

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - Monitoring of proposed wells will be required to determine the stability and/or instability of the plume.
- Significant Rebound In Concentrations After Remediation - Unknown, no active remediation has yet to occur.
- Verification Monitoring Not Complete - Will be required

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - Elevated concentrations remain in groundwater well above background.
- Groundwater Impacted Above Other Cleanup Goal - Elevated concentrations remain in groundwater well above established water quality objectives.
- Groundwater Will Not Meet Relevant WQOs Before the Beneficial Use of the Groundwater is Needed - Monitoring of proposed and approved wells will be required to determine this.

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - Initial sampling results suggest a potential threat but additional site work will be required to determine the threat the residual plume may pose to human health.
- Unacceptable Risks to Human Health from Vapor Intrusion - Initial sampling results suggest a potential threat but additional site work will be required to determine the threat the residual plume may pose to human health.
- Unacceptable Risk from Soil Contaminants Entering Surface Runoff - Possible, more site work required
- Unacceptable Risk from Contaminated Groundwater Day Lighting to Surface Water - Possible, more site work required

IMPEDIMENTS TO CLOSURE T1000000339

as reported by regulatory agency

PROCEDURAL IMPEDIMENTS

- RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - RP has suspended all site work because they have not received a LOC
- Monitoring Wells Not Yet Abandoned - Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case.
- Local Agency Objects to Case Closure - Placer County objects to site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.
- Other - Public Participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAAR) request.

Other Impediments

- After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site.

BENEFITS OF ADDITIONAL WORK

- Fill-in RI Data Gaps - Additional site work has been proposed and approved
- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - Additional site work has been proposed and approved
- Remove / Reduce Source Mass - Additional site work has been proposed and approved
- Protect Designated Beneficial Uses - Additional site work has been proposed and approved
- Restore Beneficial Uses - Additional site work has been proposed and approved
- Protect Human Health - Additional site work has been proposed and approved
- Protect Ecological Receptors - Additional site work has been proposed and approved
- Other - Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Yes
Surface Water (Bay, Estuary, Stream, Lake)	Undetermined	Unlikely, but potential exists

NOTES / COMMENTS

While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 2

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Well Being Sampled Within First Year of Being Installed - Two wells are proposed and once installed they will need to be sampled

Review Conclusions T10000000339

Review indicates:

- Heating oil USTs, now removed (Is this Federal leaking UST tank case?)
- Downgradient borings indicate impacts from Schroll residence
- Follow up borings/wells indicate that minor TPH-d exists as potential source for groundwater impacts
- Latest investigation recommends follow up GWM to determine if risk to receptors exists during high water periods (during spring snow melt)
- Regulatory letter recommends GWM for one year followed by completion of a NFAR

Discussion:

- Evaluate cleanup approach and establish timeline

Potential for cleanup closure consideration (pending GWM results)

ROTO ROOTER (FORMER) (T0610100057)

356 Walton Ave., Yuba City, CA 95991



Case Age: 46 (16) years
 Primary COC: Gasoline
 RP Identified: Mason Donna E Family Rev Trust – **Unclaimed in GeoTracker**
 Potential Media Affected: Soil
 Current land use: Residential
 Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 510064
 CASEWORKER: [JAMES BARTON](#) - SUPERVISOR: JAMES MUNCH
 SUTTER COUNTY
 CASEWORKER: [SUKH SAHOTA](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Sh
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	Verbal Communication	10/18/2010
RESPONSE - OTHER	Email from owner	9/20/2010
OTHER REGULATORY ACTIONS	Meeting	8/30/2010
ENFORCEMENT/ORDERS	Verbal Enforcement	7/23/2010
RESPONSE - OTHER	Correspondence	7/15/2010
ENFORCEMENT/ORDERS	Staff Letter	6/30/2010
OTHER REGULATORY ACTIONS	File review	6/29/2010
ENFORCEMENT/ORDERS	Verbal Enforcement	6/28/2010
ENFORCEMENT/ORDERS	Historical Enforcement	6/22/2005
LEAK ACTION	Leak Discovery	2/6/1995
LEAK ACTION	Leak Reported	2/6/1995
LEAK ACTION	Leak Began	10/2/1994
LEAK ACTION	Leak Stopped	10/2/1994

Possible Reasons Why This Case Is So Old

- Only one boring completed
- Appears no activity since 1995
- Case transferred between agencies
- Recalcitrant RP
- Extent of contamination unknown

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0610100057

Assessment last 5 years

- Appears none, no reports or data to review

Remediation last 5 years

- Appears none, no reports or data to review

Assessment older than 5 years

- One boring, no reports or data to review

Remediation older than 5 years

- Appears none, no reports or data to review

IMPEDIMENTS TO CLOSURE T0610100057

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 7/23/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
<ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <u>One soil boring sample taken to date.</u> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>RISK IS UNKNOWN AT THIS TIME. NO WORK CONDUCTED SINCE 1995 AT SITE</i> Sensitive Receptor Survey Has Not Been Completed - <i>As of 7/20/2010</i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> Other - <u>CASE WAS RECENTLY TAKEN OVER BY REGIONAL BOARD</u> 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>No investigation done to date</i> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Municipal Well	Undetermined	no sensitive receptor survey completed				
NOTES / COMMENTS						
Regional Board staff have requested a meeting with the RPs.						
Site History						
<p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>						

Review Conclusions T0610100057

Review indicates:

- Private residence
- Recalcitrant RP?
- No reports/documents in GeoTracker → only one RWQCB letter (June 2010) requesting for a meeting with RP
- GeoTracker indicates one boring completed in 1995, no work since → confirmed TPH-g at 14-mg/kg and BTEX detected

Discussion:

- Any case information available?
- Questions: (1) Has groundwater been tested or at risk?, (2) Is residence occupied, future land use?, (3) How close is municipal well, threatened?
- GeoTracker data (release date)
- Next step → Enforcement? Or closure as a “soils only” case?

Insufficient information, appears to be stuck

FORMER MARTIN PROPERTY (T0610900004)

13035 SANGUINETTI ROAD, SONORA, CA 95370



Case Age: 24 years
Primary COC: Gasoline
RP Identified by Regulator: CA Dept of Transportation – **Unclaimed in GeoTracker**
Potential Media Affected: Other GW (Uses other than drinking water)
Current Land Use: Transportation
Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550004
 CASEWORKER: [PETER MINKEL](#) - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: [SYLVIA MIRELES](#) - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All A
ACTION TYPE	ACTION	ACTION DATE
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/9/2010
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/24/2009
OTHER REGULATORY ACTIONS	Meeting	3/18/2009
RESPONSE - OTHER	CRWQCB Information Request	11/15/2008
ENFORCEMENT/ORDERS	Staff Letter	6/25/2008
LEAK ACTION	Leak Reported	12/31/1986
LEAK ACTION	Leak Discovery	7/10/1986

Possible Reasons Why This Case Is So Old

- Limited case information - no reports/documents in GeoTracker
- No initial RP involvement - current RP appears to be Caltrans (government entity)
- Cannot locate/access previous MWs (2 wells)

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker Info T0610900004

Assessment last 5 years

- None

Remediation last 5 years

- None

Assessment older than 5 years

- 1987/88: Sampled two nearby domestic wells

Remediation older than 5 years

- 1980s: Removed contaminated soil

IMPEDIMENTS TO CLOSURE T0610900004

as reported by regulatory agency

FORMER MARTIN PROPERTY (T0610900004) - (MAP)		
13035 SANGUINETTI RD SONORA, CA 95370 TUOLUMNE COUNTY <i>LUST CLEANUP SITE</i>	CLEANUP OVERSIGHT AGENCIES CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550004 CASEWORKER: PETER MINKEL TUOLUMNE COUNTY CASEWORKER: SYLVIA MIRELES	
Summary	Closure Review	Cleanup Status History
Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents
Community Involvement		
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 10/29/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES		
IMPEDIMENTS TO CLOSURE		
PROCEDURAL IMPEDIMENTS		
Monitoring Wells Not Yet Abandoned - <i>monitoring wells not found</i>		
BENEFITS OF ADDITIONAL WORK		
Protect Existing Water Supply Wells - <i>one domestic well not in use still has TPHd above water quality goals</i>		
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Domestic Wells	Already Impacted	two domestic wells at same site impacted.
Groundwater	Already Impacted	monitoring wells at site not found
Site History		
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.		

Review Conclusions T0610900004

Review indicates:

- No reports/documents in GeoTracker → only 2 RWQCB letters
- In 2009, RWQCB sent a letter to RPs (Joe and Barbara Martin) requesting them to claim this case in GeoTracker and get into ESI compliance → no reply
- In 2008, RWQCB's letter to RP indicated
 - attempt to find site information (acquired by CalTrans for the Sonora Bypass project)
 - 2 tanks were removed, and soil contamination was removed to the satisfaction of Tuolumne County
 - 2 domestic wells (south) were sampled in 1987, and TPH-d was detected in both wells (400- and 500-ug/L)
 - both wells were sampled again in 1988, but no TPH-d detected
 - County and RWQCB issued letters to evaluate the extent of GW impacted, but no response received → need to locate the two domestic wells to analyze if any GW contamination

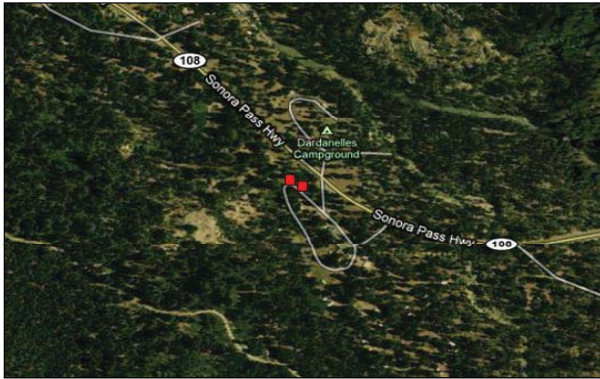
Discussion:

- Any case/site activity since 2009?
- Establish cleanup approach and timeline (any risk at site? -> age of case is 24-years)

Insufficient information, case appears stuck

BAKER STATION (T0610900097)

HWY 108, Baker Station, CA 95314



Case Age: 24 years
 Primary COC: Gasoline
 RP Identified: US Forest Service – **Unclaimed in GeoTracker**
 Potential Media Affected: Drinking water supply aquifer
 Current land use: N/A
 Well Network: 3

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550121
 CASEWORKER: PETER MNKEL - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: SYLVIA MIRELES - SUPERVISOR: NONE SPECIFIED

RECEIVED / ISSUE DATE	TITLE / DESCRIPTION
8/9/2010	e-mail U.S. Department of Forrestry about claiming the site in Geotracker.
8/25/2009	ESI Compliance
7/31/2009	Resolution 2009-0042 first and third
9/15/2008	File review- Site close to closure. Should have one more GW sampling and vapor sampling. They had extensive soil contamination and high TPHg and benzene concentrations in GW back in the beginning before the soil excavation. GW was done in June 03 and was ND at the monitoring wells (3).

ACTION TYPE	ACTION	ACTION DATE
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistants / Other	8/9/2010
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
ENFORCEMENT/ORDERS	Staff Letter	7/31/2009
OTHER REGULATORY ACTIONS	File review	9/15/2008
RESPONSE - OTHER	Other Type of Submission by RP	6/30/2003
RESPONSE - OTHER	Other Type of Submission by RP	3/30/2003
ENFORCEMENT/ORDERS	* Historical Enforcement	12/9/2002
ENFORCEMENT/ORDERS	Staff Letter	9/19/2002
RESPONSE - REPORTS	Monitoring Report - Quarterly	9/19/2002
LEAK ACTION	Leak Reported	10/25/1986
LEAK ACTION	Leak Discovery	10/16/1986

Possible Reasons Why This Case Is So Old

- Appears little work conducted on site
- Site close to closure in 2008 – not completed
- No RP involvement
- Government entity site, funding issues?

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0610900097

Assessment last 5 years

- Groundwater reportedly sampled after hiatus; no report or data to review

Remediation last 5 years

- No report or data to review

Assessment older than 5 years

- No report or data to review

Remediation older than 5 years

- No report or data to review

IMPEDIMENTS TO CLOSURE T0610900097

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>need soil vapor survey and risk assessment</i>						
PLUME INSTABILITY						
Verification Monitoring Not Complete - <i>need one additional round of sampling. last sampled in June, need winter month sampling,</i>						
GROUNDWATER IMPACTS						
Groundwater Impacted Above Background - <i>one well contained 100 ppb TPHd, but was sampled once after a long period of not sampling. Previous sample contained <u>1,100 ppb benzene.</u></i>						
BENEFITS OF ADDITIONAL WORK						
Verify Remedial Action Effectiveness - <i>only sampled once after long hiatus, need to verify.</i>						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	low levels, need to verify w/ additional samples				

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 3

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0610900097

Review indicates:

- Site located in a remote area
- Site had gasoline release
- No reports/documents in GeoTracker → only 2 RWQCB letters (ESI Compliance and Resolution 2009-0042)
- Benzene previously detected up to 1100-ppb in groundwater
- Activities Report indicates in 2008, RWQCB noted site was close to closure

Discussion:

- Any case information available?
- GeoTracker and RP compliance issues, enforcement?
- Establish cleanup timeline and/or closure options

Insufficient information, appears close to closure, but stuck

SONORA MINI MART (T0610900022)

14290 Tuolumne Rd., Sonora, CA 95370



Case Age: 23 years
 Primary COC: Diesel
 RP Identified: Paul Oil Co. – **Unclaimed in GeoTracker**
 Potential Media Affected: Under investigations
 Current land use: Mini Mart
 Well Network: None

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550029
 CASEWORKER: [PETER MINKEL](#) - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: [SYLVIA MIRELES](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Appears no activity at the beginning of the case
- Recalcitrant RP
- Extent of contamination remains undefined

RECEIVED / ISSUE DATE	TITLE / DESCRIPTION
9/25/2009	ESI Compliance
6/23/2009	Was on site to get the layout and check nearness to Benites Distribution site. Benites Distribution had groundwater at 6' bgs and R & L didn't hit water when they drilled to 40' bgs.
1/5/2009	Site could be close to closure. There were three borings that went to 40' bgs, but didn't find groundwater. Benites Distribution site had groundwater at 6 - 12' bgs and is located <500 feet away at same elevation. Also have shallow TPH in soil that is above ESLs. TPH is limited because it is located between the old UST pit and the new pit.
8/28/2006	deny closure and request information
7/11/2006	Site Closure Summary

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTION TYPE	ACTION	ACTIVITY DATE
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
OTHER REGULATORY ACTIONS	Site Visit / Inspection / Sampling	6/23/2009
OTHER REGULATORY ACTIONS	File review	1/5/2009
ENFORCEMENT/ORDERS	Staff Letter	8/28/2006
RESPONSE - OTHER	Additional Information Report	7/15/2006
ENFORCEMENT/ORDERS	Verbal Enforcement	5/8/2006
LEAK ACTION	Leak Reported	7/31/1987
LEAK ACTION	Leak Discovery	7/8/1987
ENFORCEMENT - OTHER	* No Action	1/1/1965

Activities Conducted to Date Based on GeoTracker T0610900022

Assessment last 5 years

- No reports of data to review

Remediation last 5 years

- No reports of data to review

Assessment older than 5 years

- Apparent initial investigation; no reports of data to review

Remediation older than 5 years

- No reports of data to review

IMPEDIMENTS TO CLOSURE T0610900022

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p>												
<p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Extent of Contamination Has Not Been Determined - <i>shallow TPHd concentrations above ESL leaching potential encountered.</i> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>Soil vapor survey and risk assessment needed.</i> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Non-Responsive and / or <u>Recalcitrant Responsible Party</u> - <i>No groundwater encountered, but RP was told high TPHd concentrations need extent found.</i> Other - <i>Public participation needed prior to closure</i> 												
<p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>extent of shallow TPHd needs to be found.</i> 												
<p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>> 10 Years</td> <td>potential for impact</td> </tr> </tbody> </table>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	> 10 Years	potential for impact
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS										
Groundwater	> 10 Years	potential for impact										
<p>NOTES / COMMENTS</p> <p>While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.</p>												
<p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0610900022

Review indicates:

- Site is a mini-mart with former diesel UST leak
- Initial investigation reported shallow diesel-contaminated soil, no groundwater encountered up to the 40 feet bgs explored
- No reports/documents in GeoTracker → only one RWQCB ESI Compliance letter (August 2009)
- Recalcitrant RP → case unclaimed in GeoTracker

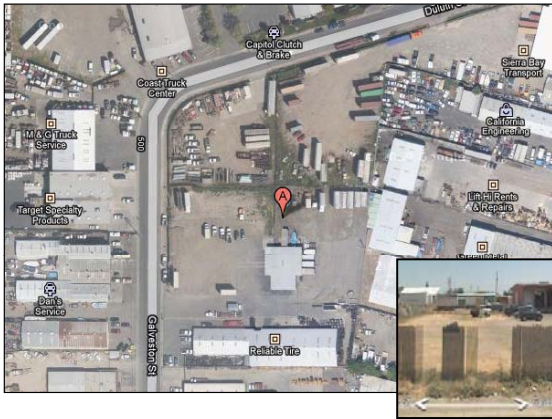
Discussion:

- Any case information available?
- Next step → RP and GeoTracker compliance, enforcement, cleanup approach and closure (potential for “soils only” closure?)

Insufficient information, appears stuck

SACRAMENTO AUTO TRUCK COMPANY (T0611300058)

525 GALVESTON ST, WEST SACRAMENTO, CA 95691



Case Age: 22 years
 Primary COC: Gasoline
 RP Identified by Regulator: Bozaich, Mark -
Unclaimed in GeoTracker
 Potential Media Affected: Soil
 Current Land Use: Sacramento Auto Truck
 Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570085
 CASEWORKER: DAVID STAVAREK - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY
 CASEWORKER: ALEEN SHAFI - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Staff Letter	6/22/2010
RESPONSE - OTHER	Telephone conversation with consultant	6/17/2010
ENFORCEMENT/ORDERS	Staff Letter	11/2/2009
RESPONSE - OTHER	Telephone conversation with consultant	10/27/2009
RESPONSE - OTHER	Telephone conversation with RP representative	10/26/2009
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
RESPONSE - WORKPLANS	Work Plan Additional Soil and groundwater Characterization	5/15/2009

Possible Reasons Why This Case Is So Old

- Limited RP involvement (original RP deceased in 2004 and current RP has financial hardship)
- Appears case was transferred between agencies (2000)
- Extent of contamination remains undefined
- No reports/documents in GeoTracker
- No site historical information

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker Info

T0611300058

Assessment last 5 years

- 2005: Subsurface investigation

Remediation last 5 years

- None

Assessment older than 5 years

- 1989-2000: Two soil studies conducted (Yolo County)

Remediation older than 5 years

- None

IMPEDIMENTS TO CLOSURE T0611300058 as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/2/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
<ul style="list-style-type: none"> • Extent of Contamination Has Not Been Determined - <i>additional site characterization is needed to determine whether groundwater has been impacted, and the extent of groundwater plume, if impacted.</i> 						
PLUME INSTABILITY						
<ul style="list-style-type: none"> • Other - <i>groundwater conditions have not been characterized therefore the presence and/or stability of a groundwater plume is unknown.</i> 						
GROUNDWATER IMPACTS						
<ul style="list-style-type: none"> • Other - <i>suspect some impact to groundwater, the extent and degree of impact needs to be determined.</i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> • RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - <i>RP is small business and indicate they do not have resources to do a lot of work; they will apply to the UST Cleanup Fund.</i> • Site Data And Reports Not Uploaded to Geotracker - <i>previously collected data needs to be uploaded to Geotracker.</i> 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> • Fill-in RI Data Gaps - <i>need additional site characterization to determine site conditions</i> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Undetermined	no assessment of groundwater conditions. Soil conditions suggest an impact to groundwater.				
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0611300058

Review indicates:

- No reports/documents in GeoTracker
- In June 2010, RWQCB issued a letter requesting results from the proposed work in *"Workplan: Additional Soil and GW Characterization"* (submitted in Nov 2009)
- In 2009 RWQCB's letter:
 - in 1989, a hole was found in gasoline UST removed, and soil samples detected TPH-g, BTEX and total lead
 - in 2000, RWQCB assumed lead for this case (from Yolo County)
 - in 2005, detections for TPH-g and BTEX, and ND for MTBE in soil, but no GW samples collected (no GW at 20-ft bgs)
 - original RP deceased
 - full delineation of existing petroleum HC in soil and GW not completed
- RP claimed financial hardship and will apply to CUF
- In 2009, RWQCB issued letter to RP to claim case in GeoTracker and complete site assessment

Discussion:

- Develop cleanup approach and timeline, consider enforcement?

Insufficient information, case appears stuck

CIGNA ESPARTO RANCH (T0611300066)

Co. Rd. 25 & Co. Rd. 86a, Esparto, CA 95627



Case Age: 22 years
 Primary COC: Gasoline
 RP Identified: Bair & Bair Attorneys at Law –
Unclaimed in GeoTracker
 Potential Media Affected: Drinking water supply aquifer
 Current land use: Farm (Ranch)
 Well Network: 5

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 570094
 CASEWORKER: [DAVID STAVAREK](#) - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY
 CASEWORKER: [ALEEN SHAFI](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Recalcitrant RP
- Isolated private farm
- Extent of contamination remains undefined
- No reports/documents in GeoTracker

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED/ISSUE DATE
ENFORCEMENT/ORDERS	13267 Requirement	10/7/2010	10/7/2010
RESPONSE - OTHER	Email with Consultant	10/6/2009	10/6/2009
RESPONSE - OTHER	Telephone conversation with consultant	10/6/2009	10/6/2009
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009	8/25/2009
RESPONSE - OTHER	Telephone conversation with consultant	7/21/2009	7/21/2009
RESPONSE - OTHER	Telephone conversation with Consultant	7/21/2009	7/21/2009
ENFORCEMENT/ORDERS	Staff Letter	5/18/2009	5/18/2009
RESPONSE - OTHER	Email from consultant	5/6/2009	5/6/2009
RESPONSE - OTHER	Telephone conversation with RP	4/28/2009	4/28/2009
RESPONSE - OTHER	Letter and separate fax copy of contract with Ramcon	4/24/2009	4/28/2009

Activities Conducted to Date Based on GeoTracker T0611300066

Assessment last 5 years

- 2009 Work plan submitted
 - Sample 3 monitoring and one onsite supply well; work never completed
- No reports or data to review

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- GeoTracker entries indicate monitoring wells were installed; no reports or data to review

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0611300066

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement						
<p>CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES</p> <p>IMPEDIMENTS TO CLOSURE</p> <p>SITE ASSESSMENT INCOMPLETE</p> <ul style="list-style-type: none"> Incomplete Conceptual Site Model (CSM) - <i>site characterization has not been completed, unknown extent of contamination</i> Extent of Contamination Has Not Been Determined - <i>Incomplete site characterization</i> <p>INADEQUATE SOURCE CONTROL</p> <ul style="list-style-type: none"> Remaining Source Poses Threat to Groundwater - <u>soil contamination not delineated</u>, onsite water supply well potential receptor <p>PLUME INSTABILITY</p> <ul style="list-style-type: none"> Other - <i>lateral and vertical extent of plume has not been delineated</i> <p>GROUNDWATER IMPACTS</p> <ul style="list-style-type: none"> Groundwater Impacted Above Background - TPHg, TPHd and benzene up to 244, 2,500, and 26 ug/L, respectively, unknown concentrations through out the plume because it has not been adequately defined. <p>WELL IMPACTS</p> <ul style="list-style-type: none"> Domestic Wells Potentially Impacted - <u>onsite water supply well is downgradient and within 500 feet of plume</u> <p>UNACCEPTABLE RISK</p> <ul style="list-style-type: none"> Other - <i>no health risk assessment has been done.</i> <p>PROCEDURAL IMPEDIMENTS</p> <ul style="list-style-type: none"> Monitoring Wells Not Yet Abandoned - <i>wells needed until complete investigation/site characterization has been done.</i> Regional Water Board Objects to Closure - <i>need site investigation</i> <p>BENEFITS OF ADDITIONAL WORK</p> <ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>need to do proper investigation work to determine the full extent of the impact to the soil and groundwater at this site.</i> Protect Human Health - <i>no health risk assessment has been done.</i> <p>SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT</p> <table border="1"> <thead> <tr> <th>SENSITIVE RECEPTOR</th> <th>TIME FRAME FOR IMPACT</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td>Groundwater</td> <td>Already Impacted</td> <td>TPHg, TPHg, and benzene up to 2,500, 244, and 26 ug/L, respectively</td> </tr> </tbody> </table> <p>NOTES / COMMENTS</p> <p>The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information.</p>							SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS	Groundwater	Already Impacted	TPHg, TPHg, and benzene up to 2,500, 244, and 26 ug/L, respectively
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS										
Groundwater	Already Impacted	TPHg, TPHg, and benzene up to 2,500, 244, and 26 ug/L, respectively										
<p>GROUNDWATER MONITORING FREQUENCY</p> <p># OF WELLS MONITORED - QUARTERLY : 5</p> <p>REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:</p> <ul style="list-style-type: none"> Assessment Incomplete - Letter of 5/18/2009 follows 9 January 2009 13267 Order to sample the wells. Site has been recalcitrant. <p>Site History</p> <p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>												

Review Conclusions T0611300066

Review indicates:

- Site is a private farm in remote area
- No reports/documents in GeoTracker → only RWQCB letters
- Recalcitrant RP
- Monitoring wells apparently installed, groundwater impacted
- Work has stalled, plume not defined, potential risk to onsite supply well unknown, RWQCB issued orders, GWM report due January, 2011 and addendum to work plan due January 2011

Discussion:

- Any case information?
- RP and GeoTracker compliance issues
- Any other receptors potentially at risk?
- Develop cleanup approach timelines

Case appears stuck

GOLD HILL YARD (T0606100194)

1900 GOLD HILL ROAD, NEWCASTLE, CA 95658



Case Age: 18 years
Primary COC: Diesel
RP Identified by Regulator: Nevada Irrigation District
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Nevada Irrigation District: Gold Hill Yard
Well Network: 4

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310243
 CASEWORKER: PAUL SANDERS - SUPERVISOR: Joe Mello
 PLACER COUNTY
 CASEWORKER: WEST BOURGAULT - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Appears no active remediation conducted
- Persistent high GW detections
- Potential vapor issue (HHRA)
- RP is a government entity, funding issues?
- RP appears slow to respond to agency

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activ
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Warning Letter	10/20/2010
RESPONSE - REPORTS	3rd QTR 2010 OMR	10/15/2010
RESPONSE - WORKPLANS	Soil Vapor Well network	*12/17/2010
ENFORCEMENT/ORDERS	Staff Letter	4/27/2010
RESPONSE - REPORTS	3rd QTR 2009 OMR	10/15/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	9/23/2009
ENFORCEMENT/ORDERS	Staff Letter	7/22/2009
RESPONSE - REPORTS	1st QTR 2009 OMR	4/15/2009
RESPONSE - REPORTS	Results Report	*3/20/2009

Activities Conducted to Date Based on GeoTracker Info T0606100194

Assessment last 5 years

- Ongoing: GW monitoring (4 semi-annually and 3 annually)
- 2008: HHRA (soil, vapor, GW)
- 2005: 2 off-site wells sampled

Remediation last 5 years

- None

Assessment older than 5 years

- 2000: 1 MW installed, and GW monitoring
- 1994: 3 MWs installed
- 1993: Exploratory borings for soil and GW
- 1992: Soil sampling

Remediation older than 5 years

- 1992: Excavation

IMPEDIMENTS TO CLOSURE T0606100194 as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
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CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/27/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *A direct risk has been identified*

INADEQUATE SOURCE CONTROL

- Remaining Source Poses Threat to Groundwater - *Over-excavation has been proposed by the RP.*

PLUME INSTABILITY

- Significant Rebound In Concentrations After Remediation - *Not yet know, remedial work has yet to occur.*
- Verification Monitoring Not Complete - *Will be required once remedial work is complete.*

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - *Although concentrations have drop, elevated concentrations remain in groundwater well above background.*
- Groundwater Impacted Above Other Cleanup Goal - *Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives.*

WELL IMPACTS

- Domestic Wells Impacted - *Three nearby downgradient wells, one of which has had intermittent detection of petroleum hydrocarbons*
- Domestic Wells Potentially Impacted - *Three nearby downgradient wells, one of which has had intermittent detection of petroleum hydrocarbons*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - *The failed HHRA accounted for both soil and soil vapor*
- Unacceptable Risks to Human Health from Vapor Intrusion - *The failed HHRA accounted for both soil and soil vapor*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed*
- Local Agency Objects to Case Closure - *Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.*
- Other - *Public Participation, to notify all potentially interested parties of our intent to issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAR) request.*

IMPEDIMENTS TO CLOSURE T0606100194 as reported by regulatory agency

Other Impediments

- After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site.

BENEFITS OF ADDITIONAL WORK

- Verify Remedial Action Effectiveness - *Will be required once remedial work is complete.*
- Remove / Reduce Source Mass - *Over-excavation has been proposed by the RP.*
- Protect Designated Beneficial Uses - *Three nearby downgradient wells, one of which has had intermittent detection of petroleum hydrocarbons*
- Protect Human Health - *Three nearby downgradient wells, one of which has had intermittent detection of petroleum hydrocarbons. The site also failed a Tier 2 HHRA.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Domestic Wells	Already Impacted	Intermittent detection of petroleum hydrocarbons
Groundwater	Already Impacted	Yes

NOTES / COMMENTS

While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - SEMI-ANNUALLY : 4, ANNUALLY : 3

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0606100194

Review indicates:

- Site appears to be located in remote area
- Site has GW contamination (localized around MW4) and soil vapor concerns
- CV-RWQCB issued 2 letters (April and October 2010) requesting Work Plan to Install Shallow Soil Vapor Wells → no response from RP
- No buildings currently exist at this site → no indoor air exposure pathway (2009 Report)
- In GeoTracker, Sept 2009 Activities Report - Closure Request was submitted and RWQCB responded that it could be a few months to get to it
- HHRA (2009) concluded that residual HC in shallow soil and rock is likely the source of the GW contamination plume and detection in soil vapor
- In 2009 sampling:
 - TPH-g, TPH-d, BTEX detected in shallow soil (ND for MtBE)
 - TPH-g and BTEX detected in soil vapor
 - TPH-g, TPH-d, BTEX and naphthalene detected in GW (ND for MtBE)

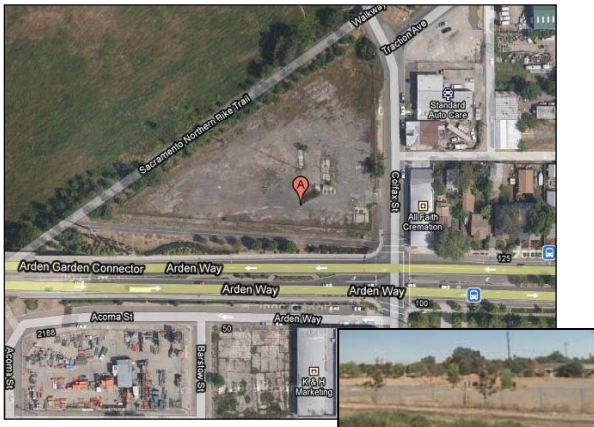
Discussion:

- Evaluate any benefit of adding remediation?
- Commence enforcement actions, establish cleanup timeline and/or closure consideration

No activity in 2010 – Case appears stuck

COLFAX YARD (T0606700685)

2225 COLFAX ST, SACRAMENTO, CA 95815



Case Age: 18 years (re-opened in 2007)
Primary COC: Diesel
RP Identified by Regulator: Sacramento City
Potential Media Affected: Aquifer used for drinking water supply
Current Land Use: Open Space Corner Lot – owned by City of Sacramento
Well Network: 1

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 340832
 CASEWORKER: [VERA FISCHER](#) - SUPERVISOR: CORI CONDON
 SACRAMENTO COUNTY LOP - CASE #: C522/RO0000301
 CASEWORKER: [SUE ERIKSON](#) - SUPERVISOR: BARRY I. MARCUS

Possible Reasons Why This Case Is So Old

- Re-opened case in 2007 (due to proposed development) – NFA in 2000
- Re-open case for soil vapor survey (benzene detected above CHHSL)
- City of Sacramento disputes responsibility for the 2008 soil vapor result

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All A
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - REPORTS	Groundwater and Soil Gas Sampling Results Report	10/15/2009
RESPONSE - OTHER	Site Map, Well Survey, Site Documents	7/31/2009
ENFORCEMENT/ORDERS	Staff Letter	7/9/2009
ENFORCEMENT/ORDERS	Staff Letter	6/10/2009
RESPONSE - REPORTS	4Q2008 QMR	2/1/2009
RESPONSE - WORKPLANS	Soil Gas Sampling Work Plan	12/31/2008
ENFORCEMENT/ORDERS	Staff Letter	11/3/2008
OTHER REGULATORY ACTIONS	File review	9/3/2008
RESPONSE - OTHER	Other Report / Document	7/15/2008

Activities Conducted to Date Based on GeoTracker Info T0606700685

Assessment last 5 years

- GW monitoring (1 well)
- 2008: Soil vapor, grab GW and one GW sampling

Remediation last 5 years

- None

Assessment older than 5 years

- 1996-1997: Soil vapor test (30 locations)
- 2001: Six soil gas vapor tests
- 2002: HHRA

Remediation older than 5 years

- None

IMPEDIMENTS TO CLOSURE T6006700685

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ES)	Site Maps / Documents	Community Involvement
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CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/13/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Pollutant Sources Have Not Been Adequately Identified or Evaluated - *Additional assessment to confirm or eliminate this site as a contributing source for a regional benzene soil gas and a regional solvent plume is planned.*
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *HHRA needs to be completed. Concentrations of benzene above CHHSLs, and elevated concentrations of TCE have been detected in nearby soil gas samples. The impediments to closure may be revised pending completion of the risk assessment.*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Well is in use. Improperly abandoned wells can act as pathways for contaminants to reach groundwater and must be destroyed.*
- Other - *Public participation, including notification of intent to close, must be performed prior to closure.*

Other Impediments

- The impediments to closure may be revised based on results of pending site investigation work.

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - *Additional assessment to confirm or eliminate this site as a contributing source for a regional benzene soil gas and a regional solvent plume is planned.*
- Protect Human Health - *Concentrations of benzene and TCE have been detected in nearby soil gas samples. Additional work is necessary to evaluate if this site is a contributing source to regional groundwater, soil, and soil vapor pollution.*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Municipal Well	Undetermined	SRS needs to be done
Domestic Wells	Undetermined	SRS needs to be done
Groundwater	Already Impacted	Regional solvent plume
Surface Water (Bay, Estuary, Stream, Lake)	Undetermined	SRS needs to be done
Storm drain (Runoff of contaminated soil)	Undetermined	SRS needs to be done
Indoor Air (Residential or Commercial)	Undetermined	Threatened, benzene has been detected in soil gas samples at concentrations CHHSLs
Irrigation / Industrial Well	Undetermined	SRS needs to be done

IMPEDIMENTS TO CLOSURE T6006700685

as reported by regulatory agency

NOTES / COMMENTS
Additional assessment to confirm or eliminate this site as a contributing source for a regional benzene soil gas and a regional solvent plume is planned. Concentrations of benzene above CHHSLs, and elevated concentrations of TCE have been detected in nearby soil gas samples. Results of the upcoming assessment work will determine the necessity for additional work at this site or a finding of No Further Action Required.
GROUNDWATER MONITORING FREQUENCY
OF WELLS MONITORED - OTHER : 1
<p>Site History</p> <p>The Site was a former maintenance yard and fueling facility. Three, two 1,000 gallon and one 500 gallon, underground storage tanks (USTs) were owned and operated by the City of Sacramento from 1974 until their removal in 1992. The USTs were used to store gasoline and diesel fuel. A 575 gallon waste oil UST was removed from the Site in April 1994. Soil gas surveys were conducted in September 1996 and May 1997. Soil gas samples contained petroleum hydrocarbon constituents at concentrations up to: total petroleum hydrocarbons as gasoline (TPH-G) 170 micrograms per liter (ug/l), benzene 7.7ug/l, toluene 9.6 ug/l, and ethylbenzene 4.0 ug/l. Additionally, the chlorinated solvents trichloroethene (TCE) and tetrachloroethene (PCE) were detected at maximum concentrations of 69.6 ug/l and 2.2 ug/l, respectively.</p> <p>On 3 March 1998, petroleum hydrocarbons were not detected in Site wells, and had not been detected since at least December 1996. On 16 August 2000, PCE and TCE were detected in all site wells at maximum concentrations of 26 ug/l and 2,600 ug/l, respectively. Results of soil and groundwater investigations indicated that the Colfax Maintenance Yard was not a source of the solvent plume detected in the El Monte Area, and that petroleum hydrocarbon contamination did not threaten the beneficial uses of the groundwater underlying the Site. A finding of No Further Action Required from the Regional Water Board was granted on 21 March 2000. Site wells MW-1, MW-2, MW-4, and MW-5 were destroyed on 6 November 2004. Well MW-3 was not destroyed.</p> <p>A regional soil gas survey was conducted as part of proposed development of the area. The results were presented in the report titled Site Characterization Report, El Monte Area dated 13 December 2007. Elevated concentrations of benzene were detected in soil gas samples collected in the vicinity of the Colfax Maintenance Yard and in the vicinity east of the Site. Benzene was detected in soil gas samples at concentrations above California Human Health Screening Levels (CHHSL) of 36.2 ug/m3 (0.0362 ug/l) (residential) and 122 ug/m3 (0.122 ug/l) (commercial) to the east of the Site, in the vicinity of residential properties. Additional assessment is needed to establish the source of the benzene vapor plume and to obtain a regional understanding of contributing sources of pollution in this area.</p> <p>Based on historic and current soil gas data, the Colfax Yard could be a source or a contributing source of the benzene vapor plume. For this reason, Regional Water Board staff reopened the case, and requested additional investigative activities.</p>

Review Conclusions T0606700685

Review indicates:

- Report states site is vacant since 1994
- In 2000, RWQCB issued NFA: no petroleum HC in soil vapor surveys and GW, site not a source of the solvent plume in El Monte Area, and no HC threat in GW
- In 2007, Sacramento Housing and Redevelopment Agency entered into an Oversight Agreement with RWQCB to investigate current GW plume condition → report confirmed City's Colfax Yard property was not a source of the GW chlorinated solvents
- In 2008, RWQCB re-opened the case due to soil gas data (elevated benzene at max of 122-ug/L) from a regional soil gas survey conducted for proposed development
- City of Sacramento disputed the soil gas data and its responsibility → City took six soil gas vapor tests in 2001 (after case was closed) and all NDs for BTEX, TCE, PCE and TPH
- In 2008, the City indicated it is in the process of selling the site and potentially have new owner take over as RP
- The City indicated budget constraints in conducting additional assessment
- In 2009, the City proposed collecting soil gas and GW samples and RWQCB concurred (no additional information in GeoTracker since 2009)

Discussion:

- Any case/site activity in 2010?
- Establish cleanup approach → any risk at site? Is it closeable again?

Insufficient information, case status appears stuck

SNOW MOUNTAIN (FORMER SS??) (T0605700076)

21816 Donner Pass Rd (HWY 40), Soda Springs, CA 95728



No street view available

Case Age: 16 years
Primary COC: Diesel
RP Identified: Maddock Property
Potential Media Affected: Drinking water supply aquifer
Current land use: N/A
Well Network: 3

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 290102
 CASEWORKER: [MICHAEL SMITH](#) - SUPERVISOR: Joe Mello
 NEVADA COUNTY LOP

ACTION TYPE	ACTION	ACTION DATE
OTHER REGULATORY ACTIONS	File review	10/4/2010
CLEANUP ACTION		7/16/2009
OTHER REGULATORY ACTIONS	Meeting	10/8/2008
RESPONSE - REPORTS	Monitoring Report - Quarterly	*1/30/2009
RESPONSE - WORKPLANS	Other Workplan	*11/26/2008
RESPONSE - WORKPLANS	Soil and Water Investigation Workplan	*11/26/2008
ENFORCEMENT/ORDERS	Staff Letter	5/16/2007
RESPONSE - REPORTS	Monitoring Report - Quarterly	4/30/2007
RESPONSE - REPORTS	Monitoring Report - Quarterly	1/30/2007
ENFORCEMENT/ORDERS	Staff Letter	1/4/2007
RESPONSE - REPORTS	Monitoring Report - Quarterly	10/30/2006
ENFORCEMENT/ORDERS	Staff Letter	9/11/2006
ENFORCEMENT/ORDERS	Staff Letter	9/28/2004
RESPONSE - REPORTS	Soil and Water Investigation Report	7/30/2003
ENFORCEMENT/ORDERS	Staff Letter	5/14/2003
OTHER REGULATORY ACTIONS	File review	5/14/2003
ENFORCEMENT/ORDERS	Staff Letter	1/15/2002
ENFORCEMENT/ORDERS	Staff Letter	4/16/2001
ENFORCEMENT/ORDERS	* Historical Enforcement	4/16/2001
ENFORCEMENT/ORDERS	Staff Letter	3/14/2001
ENFORCEMENT/ORDERS	Staff Letter	10/10/2000
ENFORCEMENT/ORDERS	Staff Letter	9/8/2000
ENFORCEMENT/ORDERS	Leak Reported	8/16/1994
LEAK ACTION	Leak Discovery	10/13/1989
LEAK ACTION	Leak Stopped	10/13/1989

Possible Reasons Why This Case Is So Old

- Limited information in GeoTracker
- Appears insufficient investigation – extent of contamination remains undefined
- No remediation
- Appears limited oversight

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0605700076

Assessment last 5 years

- 2006: GWM (installed 3 GWM wells)

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- 2004: Soil and grab GW
- 1994: Site characterization (no reports/data available)

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0605700076

as reported by regulatory agency

SNOW MOUNTAIN (FORMER SS??) (T0605700076) - (MAP)

21816 DONNER PASS RD (HWY 40)
SODA SPRINGS, CA 95728
NEVADA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 290102
CASEWORKER: MICHAEL SMITH
NEVADA COUNTY LOP

- Summary
- Closure Review
- Cleanup Status History
- Regulatory Activities
- Environmental Data (ESI)
- Site Maps / Documents
- Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/19/2010

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - The extent of the release is unknown. Evaluation of risk to human health and the environment, and evaluation of remedial alternatives cannot be completed until the extent of contamination is determined. Migration of the plume and impact to sensitive receptors is a risk and cannot be evaluated until the contamination is defined.
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Protection of human health and the environment cannot be assured until all potential risks, threats and other environmental concerns have been identified and assessed. Unassessed concerns for this site are vapor intrusion and potential direct exposure to soil contaminants.
- Sensitive Receptor Survey Has Not Been Completed - Threat to human health cannot be evaluated until completion of the SRS. Additional work, including delineation, fate and transport modeling, or remediation, may be needed based on the results of SRS.

PLUME INSTABILITY

- Groundwater Contamination Plume Not Stable or Decreasing - A declining concentration/mass trend necessary to estimate when water quality objectives will be met has not been established. Active remediation might be needed to reduce contaminant mass and restore beneficial uses.
- Verification Monitoring Not Complete - Active remediation has not been implemented. Post remediation monitoring might be needed to determine if concentrations will remain below WQOs, or rebound, or to establish a post remedial declining trend.

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - Contamination has impacted water quality, and impaired the beneficial uses of the underlying water resource.

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - Residual soil concentrations potentially pose a risk to Human Health from dermal contact. Protection of Human Health is one of our mandates, we cannot close a site until the risks to Human Health are identified.
- Unacceptable Risks to Human Health from Vapor Intrusion - Residual soil concentrations potentially pose a risk to Human Health from vapor intrusion. Protection of Human Health is one of our mandates, we cannot close a site until the risks to Human Health are identified.

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - Monitoring wells not yet abandoned. These wells could be a direct conduit for pollution to reach groundwater.
- Other - Mass of contaminants removed and information for public participation notification have not been submitted.

IMPEDIMENTS TO CLOSURE T0605700076

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK

Verify Remedial Action Effectiveness - Verification of remedial action effectiveness must be performed to assure protection of water quality and human health, which are requirements for closure.

Protect Designated Beneficial Uses - Protection of the beneficial uses of the waters of the State is one of our mandates, we cannot close a site that does not fulfill this requirement.

Protect Human Health - A risk assessment has not been conducted.

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Groundwater impacted above WQOs.
Indoor Air (Residential or Commercial)	Undetermined	Requires assessment

NOTES / COMMENTS

Additional work might be needed pending the results of actions required to protect human health and mitigate subsurface impacts.

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 3

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

Well Has Not Shown Reliable Consistency Yet To Warrant Reduction in Sampling Frequency - Quarterly monitoring only occurred twice at this site.

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0605700076

Review indicates:

- Limited reports or data in GeoTracker – only one GWM Report (2006) (no RWQCB letters)
- Site located in a remote area
- GWM Report (2006) indicates:
 - in 1994, site assessment conducted revealed HC remained in site soil and benzene concentration of 66-ug/L in GW
 - between 1994-2003, in 2005 (*and 2007-present*) appears no investigations performed at the site
 - in 2004, soil and grab GW samples collected revealed soil contamination and high petroleum HC concentrations in GW, limited to location of former USTs
 - in 2006, GW investigation (installed 3 GWM wells) detected TPH-g, TPH-d and BTEX

Discussion:

- Next steps → cleanup approach and timeline and/or closure options

Appears no recent site activity – case status appears to be stuck

SACRAMENTO MAINTENANCE YARD (T0611300022)

1450 Riverbank Rd., West Sacramento, CA 95691



Case Age: 23 years
Primary COC: Gasoline
RP Identified: Dept. of Water Resources
Potential Media Affected: Drinking water supply aquifer
Current land use: Maintenance yard
Well Network: 5

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 6S) (LEAD) - CASE #: 570033
 CASEWORKER: [DAVID STAVAREK](#) - SUPERVISOR: JAMES MUNCH
 YOLO COUNTY
 CASEWORKER: [ALEEN SHAFI](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Multiple phases of investigation over time
- On-going assessment
- Extent of contamination remains undefined
- GW contamination
- Government entity site, possible funding issues?

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Sh
ACTION TYPE	ACTION	ACTION DATE
RESPONSE - OTHER	Telephone conversation with consulting group for DWR.	8/16/2010
RESPONSE - OTHER	Telephone conversation with DWR	5/17/2010
RESPONSE - OTHER	Telephone message from RP/consultant	12/10/2009
RESPONSE - REPORTS	Third Quarter 2009, Report of Groundwater Quality Monitoring and Sampling	10/31/2009
RESPONSE - REPORTS	Second Quarter 2009, Report of Groundwater Quality Monitoring and Sampling	7/30/2009
ENFORCEMENT/ORDERS	Staff Letter	7/22/2009

Activities Conducted to Date Based on GeoTracker T0611300022

Assessment last 5 years

- Reported 2009 workplan and groundwater monitoring; no reports or data to review

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- No reports or data to review

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0611300022

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
Extent of Contamination Has Not Been Determined - <i>offsite and onsite monitoring wells have not been installed to monitor the entire plume offsite and onsite. These wells are scheduled for installation in 2010</i>						
Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>human health risk assessment has not been completed</i>						
PLUME INSTABILITY						
Other - <i>monitoring wells have not been installed to adequately assess the trends, if any, of the gasoline hydrocarbons in groundwater.</i>						
GROUNDWATER IMPACTS						
Groundwater Impacted Above Background - <u>MtBE is at least 370 ug/L</u>						
WELL IMPACTS						
Domestic Wells Potentially Impacted - <i>a domestic water supply well is supposed to be destroyed to protect deeper groundwater resources.</i>						
UNACCEPTABLE RISK						
Other - <i>the risk to human health have not been fully evaluated</i>						
PROCEDURAL IMPEDIMENTS						
Monitoring Wells Not Yet Abandoned - <i>additional monitoring wells are needed to properly monitor the plume to determine the remediation alternative appropriate for this site.</i>						
Regional Water Board Objects to Closure - <i>groundwater has not been completely characterized</i>						
BENEFITS OF ADDITIONAL WORK						
Fill-in RI Data Gaps - <i>shallow and deep monitoring wells must be installed to determine the dynamics of the plume before remediation alternatives are considered.</i>						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	MtBE up to 370 ug/L.				
NOTES / COMMENTS						
The impediments to closure may be revised based upon submittal of additional/ongoing monitoring or other data/information.						
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED - SEMI-ANNUALLY : 4, ANNUALLY : 1						
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:						
<ul style="list-style-type: none"> Assessment Incomplete - <i>old wells were destroyed because they were not installed for the UST investigations and the screen interval was too long. Currently there are five new wells and more wells are planned to monitor the limits of the plume.</i> 						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0611300022

Review indicates:

- No reports/documents in GeoTracker → only 3 RWQCB letters
- GeoTracker entries suggest work has and is continuing to progress including groundwater monitoring
- Activities Report shows many site activities (monitoring, sampling, communication etc)

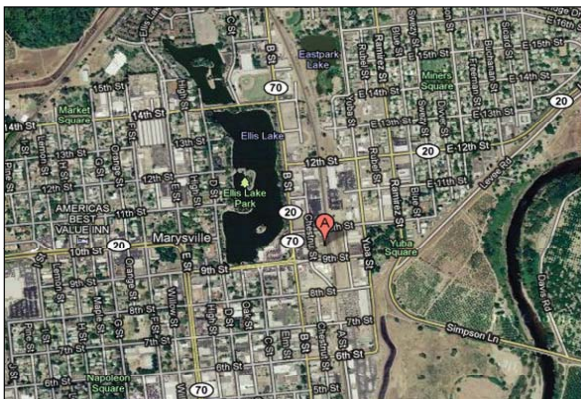
Discussion:

- Any current case information?
- GeoTracker and RP compliance
- Establish cleanup timeline and/or closure options
- Consider taking enforcement actions

Insufficient information to determine case status

MARYSVILLE FIRE DEPARTMENT (T0611500043)

107 9th St., Marysville, CA 95901



Case Age: 20 years
Primary COC: Gasoline
RP Identified: City of Marysville –
Unclaimed in GeoTracker
Potential Media Affected: Drinking water supply aquifer
Current land use: Fire Dept.
Well Network: 3

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 580056
 CASEWORKER: MICHAEL SMITH - SUPERVISOR: Joe Mello
 YUBA COUNTY
 CASEWORKER: CLARK PICKELL - SUPERVISOR: NONE SPECIFIED



Possible Reasons Why This Case Is So Old

- Appears little work has occurred at the site
- Appears limited RP involvement and limited regulatory oversight
- No reports/documents in GeoTracker
- Government entity site
- Extent of contamination remains undefined

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009	8/25/2009
ENFORCEMENT/ORDERS	Staff Letter	7/23/2009	7/23/2009
RESPONSE - WORKPLANS	Additional Information Workplan	1/30/2006	
ENFORCEMENT/ORDERS	Staff Letter	10/21/2005	10/21/2005
LEAK ACTION	Leak Reported	11/29/1990	
LEAK ACTION	Leak Discovery	7/10/1990	

Activities Conducted to Date Based on GeoTracker T0611500043

Assessment last 5 years

- Three monitoring wells reportedly installed; no reports or data to review

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- No reports or data to review

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0611500043

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
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CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF: 2/22/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Extent of Contamination Has Not Been Determined - The extent of the release is unknown. Evaluation of risk to human health and the environment, and evaluation of remedial alternatives cannot be completed until the extent of contamination is determined. Migration of the plume and impact to sensitive receptors is a risk and cannot be evaluated until the contamination is defined.
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Protection of human health and the environment cannot be assured until all potential risks, threats and other environmental concerns have been identified and assessed. Unassessed concerns for this site are potential impacts from vapor intrusion and direct exposure to soil contaminants.
- Sensitive Receptor Survey Has Not Been Completed - Threat to human health cannot be evaluated until completion of the SRS. Additional work, including delineation, fate and transport modeling, or remediation, may be needed based on the results of SRS.

PLUME INSTABILITY

- Verification Monitoring Not Complete - Active remediation has not been proposed and/or implemented. Post remediation monitoring may be needed to determine if concentrations will remain below WQOs, or rebound, or to establish a post remedial declining trend.

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - Contamination may be impacted above WQOs and might impair the beneficial uses of the underlying water resource.

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - Residual soil concentrations potentially pose a risk to Human Health from dermal contact. Protection of Human Health is one of our mandates, we cannot close a site until the risks to Human Health are identified.
- Unacceptable Risks to Human Health from Vapor Intrusion - Impacted soil vapors might pose a risk to Human Health. Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - The remaining monitoring wells have not been abandoned. Open wells are a direct conduit for pollution to reach groundwater.
- Other - Mass of contaminants removed and information for public participation notification have not been submitted.

IMPEDIMENTS TO CLOSURE T0611500043

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK		
<ul style="list-style-type: none"> • Verify Remedial Action Effectiveness - Active remediation has not been proposed and/or implemented. Post remediation monitoring may be needed to determine if concentrations will remain below WQOs, or rebound, or to establish a post remedial declining trend. • Protect Human Health - The risks to human health might have to be evaluated. 		
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Undetermined	An investigation is needed.
Indoor Air (Residential or Commercial)	Undetermined	The risks to human health must be evaluated.
NOTES / COMMENTS		
Additional work might be needed pending the results of actions required to protect human health and/or mitigate subsurface impacts.		
GROUNDWATER MONITORING FREQUENCY		
# OF WELLS MONITORED - SEMI-ANNUALLY : 2, OTHER : 1		
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:		
<ul style="list-style-type: none"> • Other - One well, MW-3 was abandoned. 		
Site History		
<p>The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.</p>		

Review Conclusions T0611500043

Review indicates:

- Site is a fire station with gasoline release
- No reports/documents in GeoTracker to review → only 3 RWQCB letters
- GeoTracker entry indicates site has three monitoring wells → no data to confirm

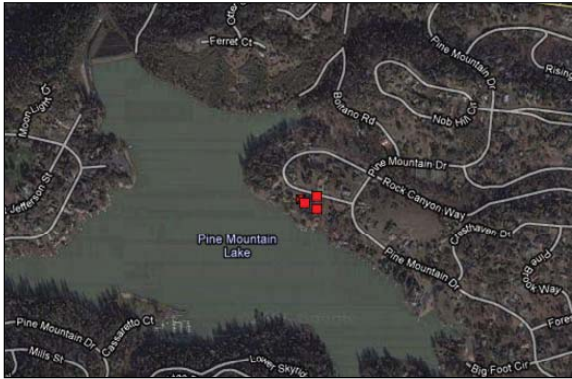
Discussion:

- Any case data available?
- RP and GeoTracker compliance issues
- Next step → cleanup approach and timeline and/or closure options. If cleanup needed, consider enforcement actions

Insufficient information to determine case status

BUCK MEADOW R.S. (T0610900040)

HWY 120, Groveland, CA 95321



Case Age: 20 years
 Primary COC: Gasoline
 RP Identified: US Forest Service – **Unclaimed in GeoTracker**
 Potential Media Affected: Drinking water supply aquifer
 Current land use: N/A
 Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550057
 CASEWORKER: PETER MINKEL - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: SYLVIA MIRELES - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- No work has been performed to date – extent of contamination remains undefined
- Appears limited oversight and RP involvement

RECEIVED / ISSUE DATE	TITLE / DESCRIPTION
8/9/2010	e-mail U.S. Department of Forrestry about claiming the site in Geotracker.
8/25/2009	ESI Compliance
9/15/2008	File review-Leak from a conveyance pipe resulted in 15 mg/kg TPHg and 150 ug/kg total xylenes in the single confirmation sample collected. County staff letter requested more work.
6/22/2006	Spoke with Mike Bradshaw of Stanislaus National Forest and we discussed getting reports from Tuolumne County and getting someone to take soil and maybe groundwater samples.
6/15/2006	Request information by 7/14/06.

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities
ACTION TYPE	ACTION	ACTION DATE
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	8/9/2010
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
OTHER REGULATORY ACTIONS	File review	9/15/2008
OTHER REGULATORY ACTIONS	* Verbal Communication	6/22/2006
ENFORCEMENT/ORDERS	Staff Letter	6/15/2006
LEAK ACTION	Leak Discovery	2/22/1991
LEAK ACTION	Leak Reported	2/22/1991

Activities Conducted to Date Based on GeoTracker T0610900040

Assessment last 5 years

- Appears none

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Appears none

Remediation older than 5 years

- Appears none

IMPEDIMENTS TO CLOSURE T0610900040

as reported by regulatory agency

BUCK MEADOW R.S. (T0610900040) - (MAP)

HWY 120
GROVELAND, CA 95321
TUOLUMNE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550057
CASEWORKER: PETER MINKEL
TUOLUMNE COUNTY
CASEWORKER: SYLVIA MIRELES

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)**IMPEDIMENTS TO CLOSURE****SITE ASSESSMENT INCOMPLETE**

- Extent of Contamination Has Not Been Determined - *soil contamination confirmed.*
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - *needs soil vapor survey and risk assessment.*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Vapor Intrusion - *need soil vapor survey to verify low risk*

BENEFITS OF ADDITIONAL WORK

- Protect Human Health - *need risk assessment*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Undetermined	soil concentrations need to be verified

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0610900040**Review indicates:**

- Site is located in a remote area
- Appears no work has been performed
- No reports/documents in GeoTracker → only one RWQCB ESI Compliance letter (August 2009), limited oversight taken
- Leak from pipeline resulted in TPH-g = 15-mg/kg and xylene = 150-ug/kg
- Closure Review indicates potential vapor intrusion risk

Discussion:

- Any case information?
- What is potential risk? Is site closeable or in need of actions. If not closeable, consider taking enforcement actions

Insufficient information to determine case status

YUBA COLLEGE (T0611500050)

2088 Beale Rd. N., Marysville, CA 95901



Case Age: 19 years
 Primary COC: Diesel
 RP Identified: Yuba Comm. College Dist. —
Unclaimed in GeoTracker
 Potential Media Affected: Soil
 Current land use: College
 Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 580063
 CASEWORKER: MICHAEL SMITH - SUPERVISOR: Joe Mello
 YUBA COUNTY
 CASEWORKER: CLARK PICKELL - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Appears little work has been performed at this site to date
- Recalcitrant RP, lack of enforcement
- Multiple USTs removed different periods? (latest in 2007?)
- Extent of contamination remains undefined

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTION TYPE	ACTION	ACTIVITY DATE
RESPONSE - WORKPLANS	Tank Removal Workplan	11/15/2010
ENFORCEMENT/ORDERS	Staff Letter	10/14/2010
RESPONSE - REPORTS	Tank Removal Report / UST	*11/15/2010
	Sampling Report	
ENFORCEMENT/ORDERS	Staff Letter	3/3/2010
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/18/2008
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	7/13/2007
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/16/2007
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	2/20/2007
ENFORCEMENT/ORDERS	Staff Letter	11/17/2006
RESPONSE - WORKPLANS	Additional Information Workplan	*3/20/2007
ENFORCEMENT/ORDERS	Staff Letter	7/24/2006
RESPONSE - OTHER	Additional Information Report	*2/28/2006
ENFORCEMENT/ORDERS	Staff Letter	10/26/2005
LEAK ACTION	Leak Reported	7/24/1991
LEAK ACTION	Leak Discovery	6/20/1991
ENFORCEMENT - OTHER	No Action	1/1/1965

Activities Conducted to Date Based on GeoTracker T0611500050

Assessment last 5 years

- Compliance soil samples reportedly collected; UST removal report due 11.15.2010

Remediation last 5 years

- UST reportedly removed

Assessment older than 5 years

- Appears none

Remediation older than 5 years

- Appears none

IMPEDIMENTS TO CLOSURE T0611500050

as reported by regulatory agency

YUBA COLLEGE (T0611500050) - (MAP)

2088 BEALE RD N
MARYSVILLE, CA 95901
YUBA COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 580063
CASEWORKER: MICHAEL SMITH
YUBA COUNTY
CASEWORKER: CLARK PICKELL

- Summary
- Closure Review
- Cleanup Status History
- Regulatory Activities
- Environmental Data (ESI)
- Site Maps / Documents

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 2/22/2010 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Incomplete Conceptual Site Model (CSM) - Evaluation of risk to human health and the environment cannot be completed until the CSM is complete. Remedial alternatives for restoration of the beneficial uses of the waters of the state cannot be effectively evaluated until the CSM is complete.
- Extent of Contamination Has Not Been Determined - The extent of the release is unknown. Evaluation of risk to human health and the environment, and evaluation of remedial alternatives cannot be completed until the extent of contamination is determined. Migration of the plume and impact to sensitive receptors is a risk and cannot be evaluated until the contamination is defined.
- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - Protection of human health and the environment cannot be assured until all potential risks, threats and other environmental concerns have been identified and assessed. Un assessed concerns for this site are potential impacts from vapor intrusion and direct exposure to soil contaminants.
- Sensitive Receptor Survey Has Not Been Completed - Threat to human health cannot be evaluated until completion of the SRS. Additional work, including delineation, fate and transport modeling, or remediation, may be needed based on the results of SRS.

PLUME INSTABILITY

- Verification Monitoring Not Complete - Active remediation has not been proposed and/or implemented. Post remediation monitoring may be needed to determine if concentrations will remain below WQOs, or rebound, or to establish a post remedial declining trend.

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - Contamination may have impacted groundwater above WQOs and might impair the beneficial uses of the underlying water resource.

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - Residual soil concentrations potentially pose a risk to Human Health from dermal contact. Protection of Human Health is one of our mandates, we cannot close a site until the risks to Human Health are identified.
- Unacceptable Risks to Human Health from Vapor Intrusion - Impacted soil vapors might pose a risk to Human Health. Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - Monitoring wells have not been installed. If installed, open wells are a direct conduit for pollution to reach groundwater.
- Other - Mass of contaminants removed and information for public participation notification have not been submitted.

IMPEDIMENTS TO CLOSURE T0611500050

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK

- Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - A complete CSM is necessary to assure protection of water quality and human health, which are requirements for closure.
- Verify Remedial Action Effectiveness - Verification of remedial action effectiveness might have to be performed to assure protection of water quality and human health, which are requirements for closure.
- Protect Human Health - The risks to human health must be evaluated.

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Undetermined	An investigation has not been completed.
Indoor Air (Residential or Commercial)	Undetermined	<u>Impacted soil vapors might pose a risk to indoor air.</u> Protection of Human Health is one of our mandates, we cannot close a site where the risk to Human Health is unknown.

NOTES / COMMENTS

Additional work might be needed pending the results of actions required to protect human health and/or mitigate subsurface impacts.

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0611500050

Review indicates:

- Site is a local college with former leaking diesel UST
- Appears limited cleanup/assessment work performed
- GeoTracker entry indicates UST removal report due 15 November 2010 (not available yet for review)
- Recalcitrant RP → did not respond to RWQCB's multiple requests for report in the past
- No reports/documents in GeoTracker → only 3 RWQCB's letters
- School entity, possible funding issues?

Discussion:

- Any case data available?
- RP and GeoTracker compliance issues
- Establish cleanup approach and timeline

Insufficient information to determine case status

MUSSETTER PROPERTY (T0606100254)

1070 HWY 49, Auburn, CA 95603



Case Age: 17 years
Primary COC: Diesel
RP Identified: Mussetter Property –
Unclaimed in GeoTracker
Potential Media Affected: Drinking water supply aquifer
Current land use: N/A, **Well Network:** N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 310312
 CASEWORKER: PAUL SANDERS - SUPERVISOR: Joe Mello
 PLACER COUNTY
 CASEWORKER: WEST BOURGAULT - SUPERVISOR: NONE SPECIFIED

ACTIVITIES REPORT		
ACTIVITY TYPE FILTER: Show All Activities		
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
OTHER REGULATORY ACTIONS	File review	9/17/2008
OTHER REGULATORY ACTIONS	Meeting	7/26/2006
OTHER REGULATORY ACTIONS	Site Visit / Inspection / Sampling	11/19/2003
OTHER REGULATORY ACTIONS	Site Visit / Inspection / Sampling	1/29/2003
OTHER REGULATORY ACTIONS	Site Visit / Inspection / Sampling	1/24/2003
ENFORCEMENT/ORDERS	Staff Letter	5/9/2001
ENFORCEMENT/ORDERS	Staff Letter	12/27/2000
LEAK ACTION	Leak Discovery	9/8/1995
LEAK ACTION	Leak Reported	11/9/1993
ENFORCEMENT - OTHER	* No Action	1/1/1965

Possible Reasons Why This Case Is So Old

- No reports/documents in GeoTracker
- Commingled plume – site risk being addressed as part of main adjacent plume case
- Appears no RP involvement and limited oversight
- GW contamination

NOTE: Data queried from GeoTracker and reviewed in November 2010

RECEIVED / ISSUE DATE	TITLE / DESCRIPTION
8/25/2009	ESI Compliance
9/17/2008	Case File Review
7/26/2006	Meet with the RP to discuss the site, and options for obtaining site closure.
11/19/2003	Sampling of D-well and Tank Pit Well
1/29/2003	SRS & Sampling
1/24/2003	SRS
5/9/2001	REGION 5 LETTERS
12/27/2000	REGION 5 LETTERS

Activities Conducted to Date Based on GeoTracker T0606100254

Assessment last 5 years

- No reports or data to review

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- No reports or data to review

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0606100254

as reported by regulatory agency

MUSSETTER PROPERTY (T0606100254) - (MAP)

1070 HWY 49
AUBURN, CA 95603
PLACER COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #. 310312
CASEWORKER: PAUL SANDERS
PLACER COUNTY
CASEWORKER: WEST BOURGAULT

- Summary
- Closure Review**
- Cleanup Status History
- Regulatory Activities
- Environmental Data (ESI)
- Site Maps / Documents

Community Involvement

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 1/27/2010 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES

IMPEDIMENTS TO CLOSURE

GROUNDWATER IMPACTS

- Groundwater Impacted Above Background - *Although concentrations have drop, concentrations remain in groundwater above background*
- Groundwater Impacted Above Other Cleanup Goal - *Although concentrations have drop, concentrations remain in groundwater above established water quality objectives.*
- Other - *Commingled plume*

UNACCEPTABLE RISK

- Unacceptable Risks to Human Health from Soil - *Waiting for data from LUSTIS Case # 310065.*
- Unacceptable Risks to Human Health from Vapor Intrusion - *Waiting for data from LUSTIS Case # 310065.*

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *Once public participation is complete and all comments and concerns are adequately addressed, staff will request the proper destruction of all monitoring/remedial wells and subsurface conduits and piping associated with the UST case. Proper well destruction is required to keep no longer needed monitoring/remedial wells and subsurface conduits from becoming preferential pathways that could quickly deteriorate groundwater beneath the site (further threatening water quality) and alter the groundwater flow regime under which the closure review was completed*
- Local Agency Objects to Case Closure - *Placer County objects to Site closure without the proper destruction of all monitoring/remedial wells and all remedial piping and conduits associated with the site's UST case.*
- Other - *Public Participation, to notify all potentially interested parties of our Intent to Issue site closure, will be requested after staff and management approval of an adequate and properly completed No Further Action Required (NFAR) request.*

Other Impediments

- After well destruction is complete, the Responsible party must document that no soil and/or groundwater waste generated from the investigation, clean up, and monitoring of the Site's underground storage tank case remains onsite. If not already submitted, total mass balance calculations will also be required to determine the total mass of petroleum hydrocarbons removed from the site.

IMPEDIMENTS TO CLOSURE T0606100254

as reported by regulatory agency

BENEFITS OF ADDITIONAL WORK		
Protect Designated Beneficial Uses - <i>Although concentrations have drop, concentrations remain in groundwater above established water quality objectives.</i>		
Restore Beneficial Uses - <i>Although concentrations have drop, concentrations remain in groundwater above established water quality objectives.</i>		
Protect Human Health - <i>Although concentrations have drop, elevated concentrations remain in groundwater well above established water quality objectives.</i>		
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT		
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	Yes
NOTES / COMMENTS		
Although this Site could probably be closed on its own, its small plume is commingled with 1050 Highway 49. For detailed regarding this site and its commingled plume see LUSTIS Case # 310065. While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.		

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0606100254

Review indicates:

- No reports/documents in GeoTracker → only one RWQCB ESI Compliance letter (August 2009)
- GeoTracker entry indicates groundwater has been tested, results above cleanup goals, but declining in concentrations
- Plume commingled with a larger plume from adjacent property → risk being addressed by investigation of adjacent property (T0606100052?)
- Under Notes/Comments: entry claims site could be closed on its own due to small plume
- In 2006, RWQCB met with RP to discuss site and option for obtaining closure

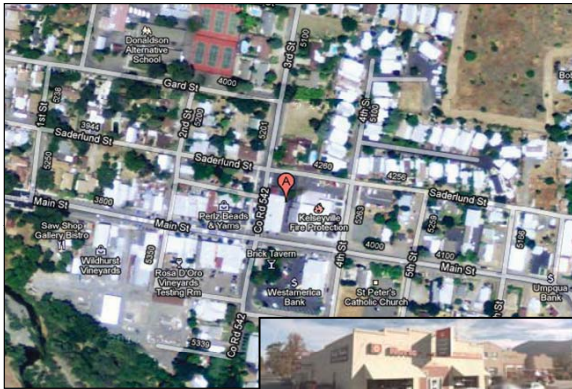
Discussion:

- Any case information available?
- Close this site and consolidate cleanup and/or investigation with adjacent site (T0606100052 – Auburn Maintenance Station?)

Insufficient information to determine case status - possible closure consideration

NORTON MOTORS (T0603300056)

4010 Main St., Kelseyville, CA 95451



Case Age: 16 years
Primary COC: Other solvent or non-petroleum hydrocarbon
RP Identified: Norton, Russell & Mark –
Unclaimed in GeoTracker
Potential Media Affected: Other groundwater (uses other than drinking water)
Current land use: Automotive repair
Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 170076
 CASEWORKER: [GLENN T. MEEKS](#) - SUPERVISOR: JAMES MUNCH
 LAKE COUNTY
 CASEWORKER: [MANUEL RAMIREZ](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- **Being handled under another case that is in CUF (Kelseyville Site Dept, T0603300059)**

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities	
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	7/22/2010	7/22/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	1/20/2010	1/20/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	5/6/2009	5/6/2009
ENFORCEMENT/ORDERS	Staff Letter	11/18/2005	11/18/2005
ENFORCEMENT/ORDERS	Staff Letter	12/13/2004	12/13/2004
LEAK ACTION	Leak Reported	7/27/1994	
ENFORCEMENT - OTHER	* No Action	1/1/1965	1/1/1965

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0603300056

Assessment last 5 years

- Handled under separate case

Remediation last 5 years

- Handled under separate case

Assessment older than 5 years

- Handled under separate case

Remediation older than 5 years

- Handled under separate case

IMPEDIMENTS TO CLOSURE T0603300056 as reported by regulatory agency

NORTON MOTORS (T0603300056) - [\(MAP\)](#)

4010 MAIN ST
KELSEYVILLE, CA 95451
LAKE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 170076
CASEWORKER: [GLENN T. MEEKS](#)
LAKE COUNTY
CASEWORKER: [MANUEL RAMIREZ](#)

Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents 

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 12/28/2009

[VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

BENEFITS OF ADDITIONAL WORK

- Other - [Site covered under KFD Case 170079](#)

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Other	Already Impacted	Site covered under KFD Case 170079

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0603300056

Review indicates:

- **This case is being handled under Kelseyville Fire Department Case #170079 (T0603300059) that is in CUF**

Discussion:

- Necessary to keep this site open if handled under separate case in CUF?

Consider closure /removed from active list

TWAIN HARTE STATION (T0610900076)

22978 Meadow Ln., Twain Harte, CA 95383



Case Age: 17 years
Primary COC: Gasoline
RP Identified: CA Dept. of Forestry
Potential Media Affected: Drinking water supply aquifer
Current Land Use: Mixed residential/retail
Well Network: 4

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550100
 CASEWORKER: PETER MINKEL - SUPERVISOR: Joe Mello
 TUOLUMNE COUNTY
 CASEWORKER: SYLVIA MIRELES - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Appears to have multiple agency enforcements, but few RP responses
- No reports in GeoTracker to review
- Government entity site, funding issues?
- Extent of contamination unknown
- Soil vapor risk?

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities
ACTION TYPE	ACTION	ACTION DATE
OTHER REGULATORY ACTIONS	File review	1/5/2009
ENFORCEMENT/ORDERS	Staff Letter	5/8/2003
RESPONSE - REPORTS	Monitoring Report - Quarterly	11/30/2002
RESPONSE - REPORTS	Monitoring Report - Quarterly	11/15/2002
ENFORCEMENT/ORDERS	Staff Letter	8/21/2002
ENFORCEMENT/ORDERS	Staff Letter	1/28/2002
ENFORCEMENT/ORDERS	Staff Letter	10/23/2001
ENFORCEMENT/ORDERS	* Historical Enforcement	6/8/2001
ENFORCEMENT/ORDERS	Clean-up and Abatement Order - #501712	6/8/2001
ENFORCEMENT/ORDERS	Staff Letter	5/9/2001
ENFORCEMENT/ORDERS	Staff Letter	1/29/2001
ENFORCEMENT/ORDERS	Staff Letter	12/1/2000
ENFORCEMENT/ORDERS	Staff Letter	2/17/2000
LEAK ACTION	Leak Reported	5/17/1994
LEAK ACTION	Leak Discovery	5/4/1994

Activities Conducted to Date Based on GeoTracker T0610900076

Assessment last 5 years

- No reports or data to review

Remediation last 5 years

- No reports or data to review

Assessment older than 5 years

- ESI data indicate four monitoring wells installed; no reports or data to review

Remediation older than 5 years

- No reports or data to review

IMPEDIMENTS TO CLOSURE T0610900076

as reported by regulatory agency

TWAIN HARTE STATION (T0610900076) - [MAP]

22978 MEADOW LN
TWAIN HARTE, CA 95383
TUOLUMNE COUNTY
LUST CLEANUP SITE

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 550100
CASEWORKER: [PETER MINKEL](#)
TUOLUMNE COUNTY
CASEWORKER: [SYLVIA MIRELES](#)

Summary

Closure Review

Cleanup Status History

Regulatory Activities

Environmental Data (ESI)

Site Maps / Documents

CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 [VIEW ALL POSSIBLE CLOSURE REVIEW VALUES](#)

IMPEDIMENTS TO CLOSURE

SITE ASSESSMENT INCOMPLETE

- Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - soil vapor survey and risk assessment needed.

PROCEDURAL IMPEDIMENTS

- Monitoring Wells Not Yet Abandoned - *well destruction not verified*
- Other - *public participation needed prior to closure*

BENEFITS OF ADDITIONAL WORK

- Restore Beneficial Uses - *TPhd above water quality goals*

SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT

SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS
Groundwater	Already Impacted	TPhd above water quality goals

NOTES / COMMENTS

While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.

Site History

The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

Review Conclusions T0610900076

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities		Go	* INDICATES A REVISED DUE DATE
ACTION TYPE	ACTION	ACTION DATE	RECEIVED / ISSUE DATE	TITLE / DESCRIPTION	
OTHER REGULATORY ACTIONS	File review	1/5/2009	1/5/2009	Site is close to closure, but still has unresolved issues. They have unresolved TPHd concentrations they found in grab samples from hydropunch samples.	
ENFORCEMENT/ORDERS	Staff Letter	5/8/2003	5/8/2003	Request for well destruction with pending case closure.	
RESPONSE - REPORTS	Monitoring Report - Quarterly	11/30/2002	11/19/2002	Third Quarter 2002	

Review indicates:

- No reports/documents/letters in GeoTracker
- GeoTracker indicates four monitoring wells have been installed
- Activities Report indicates potential case closure (2003 and 2009 entries) – see above

Discussion:

- GeoTracker and RP compliance issues
- Complete case closure if appropriate, or take enforcement actions if additional work is warranted

Insufficient information to determine case status → appears ready for closure

SNOW'S AUTOMOTIVE (T0603300062)

12621 HWY 20 E., Clearlake, CA 95422



Case Age: 15 years
Primary COC: Other solvent or non-petroleum hydrocarbon
RP Identified: Snow's Automotive – **Unclaimed in GeoTracker**
Potential Media Affected: Other groundwater (uses other than drinking water)
Current Land Use: Commercial
Well Network: N/A

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 170082
 CASEWORKER: [GLENN T. MEEKS](#) - SUPERVISOR: JAMES MUNCH
 LAKE COUNTY
 CASEWORKER: [MANUEL RAMIREZ](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Funding issues – applied to EAR account (2010)
- Initial investigation not implemented – extent of contamination remains undefined
- Case transferred between agencies
- No reports/documents in GeoTracker

ACTIVITIES REPORT		ACTIVITY TYPE FILTER:
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Verbal Enforcement	9/15/2010
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	6/16/2010
ENFORCEMENT/ORDERS	Verbal Enforcement	9/16/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	7/21/2009

NOTE: Data queried from GeoTracker and reviewed in November 2010

Activities Conducted to Date Based on GeoTracker T0603300062

Assessment last 5 years

- Appears none

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Appears none

Remediation older than 5 years

- Appears none

IMPEDIMENTS TO CLOSURE T0603300062

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 12/29/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE						
<ul style="list-style-type: none"> Incomplete Conceptual Site Model (CSM) - <i>Initial gw investigation not performed yet - EAT account site - once moneys become available site investigation will be performed</i> Pollutant Sources Have Not Been Adequately Identified or Evaluated - <i>Initial gw investigation not performed yet - EAT account site - once moneys become available site investigation will be performed</i> Extent of Contamination Has Not Been Determined - <i>Initial gw investigation not performed yet - EAT account site - once moneys become available site investigation will be performed</i> Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <i>Soil Vapor intrusion/ dermal exposure HHRA needed - will be performed with EAR account monies</i> 						
PROCEDURAL IMPEDIMENTS						
<ul style="list-style-type: none"> RP Says They Do Not Have Adequate Funds to Initiate or Continue Work at the Site - <i>EAR account site</i> 						
BENEFITS OF ADDITIONAL WORK						
<ul style="list-style-type: none"> Fill-in RI Data Gaps - <i>Initial gw investigation not performed yet - EAT account site - once moneys become available site investigation will be performed</i> Complete CSM and Our Understanding of Hydrogeologic Regime and Fate and Transport of Contaminants - <i>Initial gw investigation not performed yet - EAT account site - once moneys become available site investigation will be performed</i> Protect Human Health - <i>Soil Vapor intrusion/ dermal exposure HHRA needed - will be performed with EAR account monies</i> 						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Undetermined	Initial gw investigation not performed yet - EAT account site - once moneys become available site investigation will be performed				
Indoor Air (Residential or Commercial)	Undetermined	Soil Vapor intrusion/ dermal exposure HHRA needed - will be performed with EAR account monies				
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0603300062

Review indicates:

- GeoTracker entry indicates that no work has been performed at site
- No reports or data in GeoTracker to review → only 2 RWQCB letters and one picture
- Apparent funding issues delaying investigation → RP applied to EAR account (2010)
- GeoTracker entry suggests that a possible vapor intrusion risk may exist
- RWQCB issued a letter (Aug 2008) for a final request for workplan to determine site risk (appears to have no response from RP)

Discussion:

- Any case information?
- Any recent activity or correspondence since 2008?
- Establish cleanup approach and timeline and/or closure options

Insufficient information to determine case status

WAWONA QUAD (T0604300046)

FOREST DR (AKA: S.WAWONA), YOSEMITE NP, CA 95389



Case Age: 15 years
Primary COC: Gasoline
RP Identified: USNPS – **Unclaimed in GeoTracker**
Potential Media Affected: Drinking water supply aquifer
Current Land Use: N/A
Well Network: 1

CLEANUP OVERSIGHT AGENCIES
 CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 220101
 CASEWORKER: [PETER MINKEL](#) - SUPERVISOR: Joe Mello
 MARIPOSA COUNTY
 CASEWORKER: [DAVE CONWAY](#) - SUPERVISOR: NONE SPECIFIED

Possible Reasons Why This Case Is So Old

- Case transferred between agencies 1998
- Appears no/limited RP involvement
- Appears no cleanup/assessment has been performed to date
- No reports/documents in GeoTracker
- Government entity site, funding issues?

NOTE: Data queried from GeoTracker and reviewed in November 2010

ACTIVITIES REPORT		ACTIVITY TYPE FILTER: Show All Activities
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Staff Letter	8/25/2009
OTHER REGULATORY ACTIONS	Technical Correspondence / Assistance / Other	2/26/2009
OTHER REGULATORY ACTIONS	File review	1/5/2009
ENFORCEMENT/ORDERS	Staff Letter	6/15/2006
RESPONSE - OTHER	Additional Information Report	9/13/2002
ENFORCEMENT/ORDERS	Staff Letter	7/19/2002
REFERRAL TO OTHER AGENCY	Referral to Regional Board	7/1/1998
LEAK ACTION	Leak Reported	11/20/1995
LEAK ACTION	Leak Discovery	11/14/1995
LEAK ACTION	Leak Stopped	11/14/1995

Activities Conducted to Date Based on GeoTracker T0604300046

Assessment last 5 years

- 2009 GeoTracker entry indicates TPH-g in “MW-1”; further information was not available; the well since removed

Remediation last 5 years

- Appears none

Assessment older than 5 years

- Appears none

Remediation older than 5 years

- Appears none

IMPEDIMENTS TO CLOSURE T0604300046

as reported by regulatory agency

Summary	Closure Review	Cleanup Status History	Regulatory Activities	Environmental Data (ESI)	Site Maps / Documents	Community Involvement
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 11/17/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES						
IMPEDIMENTS TO CLOSURE						
SITE ASSESSMENT INCOMPLETE Potential Risks, Threats, And Other Environmental Concerns Have Not Been Adequately Identified And Assessed - <u>soil vapor survey and risk assessment needed.</u>						
GROUNDWATER IMPACTS Groundwater Impacted Above Background - <i>Need verification sampling in down gradient direction.</i>						
PROCEDURAL IMPEDIMENTS Other - <i>Public participation needed prior to closure</i>						
BENEFITS OF ADDITIONAL WORK						
Restore Beneficial Uses - <i>verification monitoring needed downgradient</i>						
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT						
SENSITIVE RECEPTOR	TIME FRAME FOR IMPACT	COMMENTS				
Groundwater	Already Impacted	TPI lg above water quality goals				
NOTES / COMMENTS						
While the data within this summary sheet addresses many site issues, it cannot address all potential site issues, conditions, or concerns, which would prevent the need for additional site work. Additionally, this summary sheet represents only a snap shot in time, of a dynamic constituent plume that continues to move and transform within the subsurface.						
GROUNDWATER MONITORING FREQUENCY						
# OF WELLS MONITORED - OTHER : 1						
REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:						
Assessment Incomplete - <i>wells inadvertently destroyed. Need additional sample in down gradient direction.</i>						
Site History						
The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as directed by the CVRWQCB. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.						

Review Conclusions T0604300046

RECEIVED / ISSUE DATE	TITLE / DESCRIPTION
8/25/2009	ESI Compliance
2/26/2009	Spoke with Dr. Greg Stock about site. He will need to do some direct push borings so he can collect some soil, soil gas, and groundwater samples northwest of UST pit.
1/5/2009	Site had minimal groundwater contamination (210 ppb TPHg in MW-1), but the wells were removed in a blanket "cleanup effort" where they tried to tie up loose ends.
6/15/2006	Request information
9/13/2002	
7/19/2002	File Review
7/1/1998	Report published that confirmed groundwater contamination

Review indicates:

- No reports or data in GeoTracker → only one RWQCB ESI Compliance letter (August 2009) issued
- Appears no work has been performed
- Case not claimed in GeoTracker
- GeoTracker entry indicates TPH-g in MW-1 in 2009, the well since removed

Discussion:

- Any case information?
- Next step → cleanup approach and timeline and/or closure options

Insufficient information to determine case status