Final

November 23, 2011

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

Merced County Local Oversight Program (LOP) 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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	1.	T0604700021 (Mid-Franklin Yard)	
	2.	T0604700045 (Larry's Shell Service)	

3. T0604700123 (Vic Figueroa Motors)

Executive Summary

The Draft version of this report was submitted on June 10, 2010, with a request for a follow-up meeting and input from Merced County Local Oversight Program (LOP) into the "Next Steps for Agency" column of the case cleanup status spreadsheet.

Merced County Local Oversight Program (LOP) had a conference call with USEPA Region 9's contractor, Tetra Tech, Inc., on October 25, 2011 to discuss the draft report and the lead agency's next steps for each of the 3 cases reviewed. Conclusions from the conference call are:

- One case (Larry's Shell Service T0604700045) was closed.
- One case (Mid-Franklin Yard T0604700021) is near closure; case in 30-days closure process.
- One case that originally appears to be stuck (Vic Figueroa Motors T0604700123) is now on track.

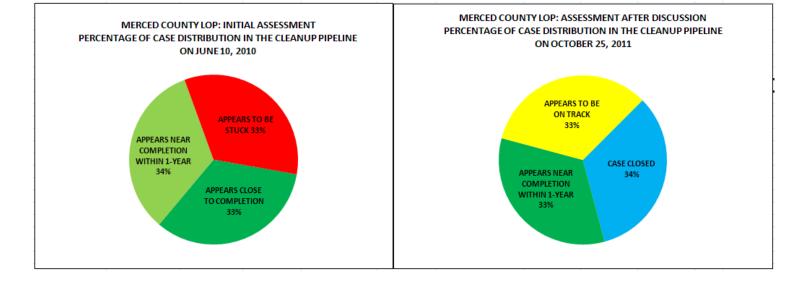
Merced County Local Oversight Program (LOP)

Apparent Case Status – Initial Review and After Discussion with Agency

TOTAL NUMBER OF CASES REVIEWED = 3 CASES NUMBER OF ACTIVE LUST CASE ON JUNE 1, 2010 = 63 CASES DRAFT REVIEW REPORT PREPARED AND SENT TO AGENCY ON JUNE 10, 2010 CONFERENCE CALL WITH THE AGENCY TO DISCUSS CASES REVIEWED ON OCTOBER 25, 2011

APPARENT STATUS OF CASES REVIEWED - INITIAL REVIEW AND AFTER CONFERENCE CALL TO DISCUSS CASES

Apparent Case Status	Initial Assessment Number of Cases (06-10-2010)	Post Conference Call Assessment Number of Cases (10-25-2011)
CASE CLOSED	0	1
Appears close to completion	1	1
Appears near completion within 1-year	1	0
Appears to be on track	0	1
Appears NOT to be on track	0	0
Appears to be stuck	1	0
Unable to determine (Insufficient information in GeoTracker)	0	0



CASE REVIEW SUMMARY TABLE (MERCED COUNTY LOCAL OVERSIGHT PROGRAM)

ESTIMATED STATUS IN THE CLEANUP PIPEI	ESTIMATED STATUS IN THE CLEANUP PIPELINE?	CASE LEAD A GENCY: MIERCED CONT.	^(I)	CASEWORKER ERIC SWENSON	G - Government En (include School, Hospital, Utility)	tity 7/30/1986	DISCUSSION NOTES FROM CONFERENCE CALL (OCTOBER 25, 2011) (OCTOBER 25, 2011) + Case is near closure (in 30-days closure process)	ASING PROVIDENTIAL AND A STREAM	
Appears near completion within 1-year	CLOSED (12/9/2010)	LARRY'S SHELL SERVICE	<u>T0604700045</u>	ERIC SWENSON	Gasoline Z - Major Oil Comp	any 10/20/1987	CLOSED (12/9/2010)	CLOSED (12/9/2010)	
Appears to be stuck	Appears to be on track	VIC FIGUEROA MOTORS	<u>T0604700123</u>	ERIC SWENSON	Gasoline S - Small Private Business	9/1/1988	 * Site located in a low income community * Accepted to the 2011/12 EAR Program Funding * Site assessment activities started on October 13, 2011 (RP funded the task) * RP is responsive * No current petroleum usage 	Push for new/additional remedial investigation (RI)/risk assessment (Submittal of site assessment report)	

Attachment 1

Draft Report (June 10, 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

June 10, 2010

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

Merced County Local Oversight Program (LOP) 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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Case Review Power Point Slides – Site List	

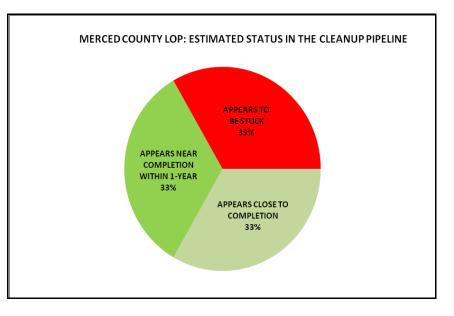
- 1. T0604700021 (Mid-Franklin Yard)
- 2. T0604700045 (Larry's Shell Service)
- 3. T0604700123 (Vic Figueroa Motors)

MERCED COUNTY LOCAL OVERSIGHT PROGRAM (LOP) OPEN LEAKING UST: NON-CUF, OLDER (OPEN>15 YEARS), AND DEEMED "NOT READY FOR CLOSURE – FINAL" CASES IN GEOTRACKER (DATA IN GEOTRACKER, JUNE 2010)

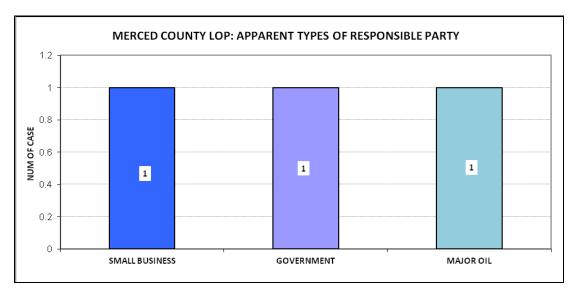
SUMMARY OF CASE REVIEW

TOTAL NUMBER OF CASES REVIEWED = 3 CASES NUMBER OF ACTIVE LUST CASE ON JUNE 1, 2010 = 63 CASES

1) APPARENT STATUS OF CASES REVIEWED

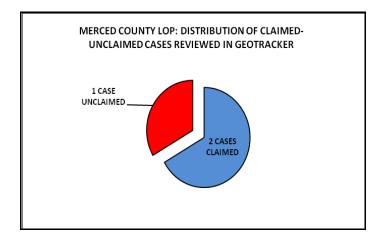


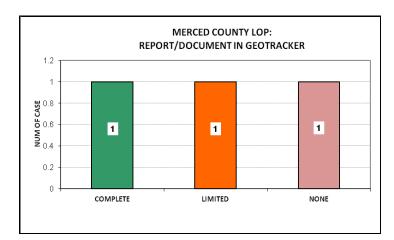
2) RESPONSIBLE PARTY TYPES



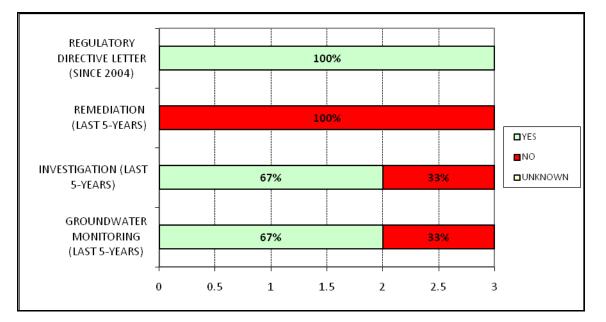
3) APPARENT MAIN BARRIERS (ENVIRONMENTAL AND NON-ENVIRONMENTAL) TO CLOSURE

RANK	ENVIRONMENTAL	NUM OF CASE	% OF CASE REVIEWED	RANK	NON-ENVIRONMENTAL	NUM OF CASE	% OF CASE REVIEWED
-	INCOMPLETE ASSESSMENT	1	33%	-	NON-RESPONSIVE RP	1	33%
-	REMEDIAL CONFIRMATION	1	33%	-	NONE	1	33%
-	OTHER	1	33%	-	OTHER	1	33%

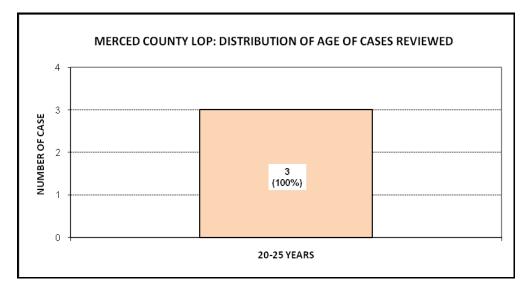




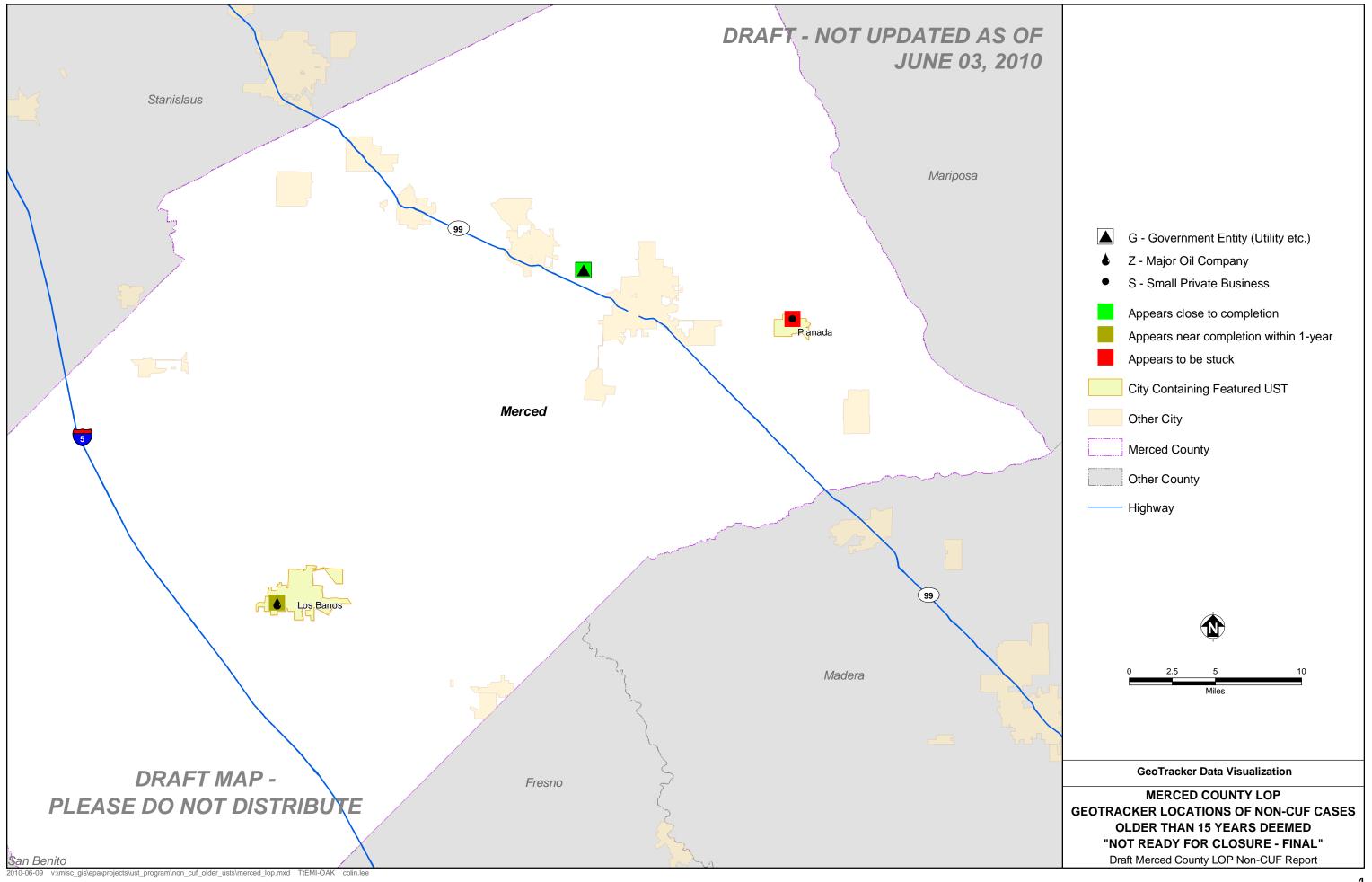
5) CASE ACTIVITIES IN GEOTRACKER (2004-2009)



6) AGE OF CASES



ESTIMATED STATUS IN THE CLEANUR	ICASE LEAD AGENCY: MERCED CO.	city	Global ID	LOCAL CASE NUMBER	CASEWORKER	CURRENT CASE STATUS	APPARENT PRIMARY ENVIRONMENTAL	APPARENT NON-ENVIRONMARANCE IN CLOSURE	by Regulatory Agency in GT) PRIMARY COC (In Gent.	APPARENT TYPE OF RP	DOES SITE APPEARS TO HAVE BEEN	DOES SITE APPEARS TO	CLAIMED IN GEOTRACKERS	GROUNDWATER MONITORING (LAST 5-YEARS)	INVESTIGATION (LAST 5-YEARS) REMEN	ATION (LA	RY DIRECTIVE LETTER (AN)	DATA IN GEOTRACKER	RELEASE DATE	AGE	NEXT STEP FOR AGENCY	
	MID-FRANKLIN YARD	MERCED	<u> 10604700021</u>	2461	ERIC SWENSON	Open - Verification Monitoring	O - Other	O - Other	Gasoline	G - Government Entity (include School, Hospital, Utility)	Unknown	Unknown	Yes	Yes	Yes No	Yes	Yes	Limited	7/30/1986	23		
Appears near completion within 1-year	LARRY'S SHELL SERVICE	LOS BANOS	<u> T0604700045</u>	2417	ERIC SWENSON		R - Remedial Confirmation	N - None		Z - Major Oil Company	No	Yes	Yes	Yes	Yes No	Yes	Yes	Partially Complete (Missing some data) Complete	10/20/1987	22		
Appears to be stuck	VIC FIGUEROA MOTORS	PLANADA	<u>T0604700123</u>	2490	ERIC SWENSON	Open - Inactive	I - Incomplete Assessment	RP - Non- Responsive R	Gasoline	S - Small Private Business	No	Yes	No	No	No No	Yes	Yes	None	9/1/1988	20		



MID-FRANKLIN YARD (T0604700021) 3321 FRANKLIN ROAD, MERCED, CA 95340



Possible Reasons Why This Case Is So Old

(Based on Agency's Feedback)

- Decision by regulatory agency to not require active cleanup at site following release of Lawrence Livermore study
- Slow response by RP to regulatory directives
- Site part of concurrent non-LOP investigation cleanup relating to surface spillage and discharge, burial of waste, and other issues

NOTE: Data queried from GeoTracker and reviewed in May 2010

Case Age: 23 years Primary COC: Gasoline RP Identified: Merced Irrigation District Potential Media Affected: Aquifer used for drinking water supply Current Land Use: Construction Yard for Irrigation District

CLEANUP OVERSIGHT AGENCIES MERCED COUNTY LOP (LEAD) - CASE #: 2461 CASEWORKER: ERIC SWENSON - SUPERVISOR: Bill Peeler, Supervising EHS CENTRAL VALLEY RWQCB (REGION 5F) - CASE #: 5724000095 CASEWORKER: WARREN GROSS - SUPERVISOR: John Noonan

ACTIVITIES REPORT	ACTIVITY TYPE FIL	TER: Show All Activities
ACTION TYPE	ACTION	ACTION DATE
ENFORCEMENT/ORDERS	Staff Letter	7/23/2009
ENFORCEMENT/ORDERS	Staff Letter	8/13/2007
ENFORCEMENT/ORDERS	Staff Letter	3/1/2007
ENFORCEMENT/ORDERS	Staff Letter	5/3/2005
ENFORCEMENT/ORDERS	Staff Letter	10/21/2003
ENFORCEMENT/ORDERS	Staff Letter	7/23/2003
ENFORCEMENT/ORDERS	Staff Letter	7/3/2003
ENFORCEMENT/ORDERS	Staff Letter	11/6/2002
ENFORCEMENT/ORDERS	Staff Letter	8/8/2002
CLEANUP ACTION	Excavate and Treat	6/2/1993
LEAK ACTION	Leak Stopped	8/12/1986
LEAK ACTION	Leak Reported	8/10/1986
LEAK ACTION	Leak Discovery	7/30/1986

Activities Conducted to Date Based on GeoTracker

Assessment last 5 years
• 2008: Soil-gas investigation
• 2006: Monitoring
• 2005: Soil and GW site
assessmentRemediation last 5 years
• NoneAssessment older than 5 years
• NoneRemediation older than 5 years
• 1993: Excavate and Treat

	RD (T0604700021) - <u>(M</u>	
3321 FRANKLIN RD MERCED, CA 95340 MERCED COUNTY LUST CLEANUP SITE		CLEANUP OVERSIGHT AGENCIES MERCED COUNTY LOP (LEAD) - CASE #: 2461 CASEWORKER: <u>ERIC SWENSON</u> CENTRAL VALLEY RWQCB (REGION 5F) - CASE #: 57240 CASEWORKER: <u>WARREN GROSS</u>
Summary Closure Revie	w Cleanup Status History Reg	sulatory Activities Environmental Data (ESI) Site Maps / Documents Community Involvement
CLOSURE REVIEW - T	HIS CASE IS NOT READY E	FOR CLOSURE AS OF 8/11/2009 VIEW ALL POSSIBLE CLOSURE REVIEW VA
IMPEDIMENTS TO CLOSURE		
PROCEDURAL IMPEDIMENT • Non-Responsive ar		nsible Party - Awaiting closure request summary report from Responsible Party.
BENEFITS OF ADDITIONAL	WORK	
• Other - Additional	work may not be required	. Awaiting closure request summary report from Responsible Party.
SENSITIVE RECEPTORS LIKE	ELY TO BE IMPACTED AND TIME F	RAME FOR IMPACT
SENSITIVE RECEPTOR Domestic Wells	TIME FRAME FOR IMPACT Undetermined	<u>COMMENTS</u> Awaiting closure request summary report from Responsible Party.

Review Conclusions T0604700021

- Review indicates:
 - Closure report indicates "Awaiting closure request summary report from RP" → UST petroleum site can be closed when site closure report is submitted
 - Remaining degraded gasoline under building is not likely adding significant vapor intrusion from TCE contamination

Discussion:

- Complete the closure
- Potential closure candidate

LARRY'S SHELL SERVICE (T0604700045) 849 PACHECO BLVD, LOS BANOS, CA 93635



Case Age: 22 years Primary COC: Gasoline RP Identified: Shell Oil Potential Media Affected: Aquifer used for drinking water supply Current Land Use: Gas Station

CLEANUP OVERSIGHT AGENCIES MERCED COUNTY LOP (LEAD) - CASE # 2417 CASEWORKER: ERIC SWENSON - SUPERVISOR: Bill Peeler, Supervising EHS CENTRAL VALLEY RWQCB (REGION 5F) - CASE #: 5T24000177 CASEWORKER: WARREN GROS SUPERVISOR: John Noonan

		ACTIVITIES REPORT	ACTIVITY TY	PE FILTER: Show All
		ACTION TYPE	ACTION	ACTION DATE
·•	CASE CLOSED ON	ENFORCEMENT/ORDERS	Staff Letter	8/6/2009
Line your and the second se		ENFORCEMENT/ORDERS	Staff Letter	7/20/2009
	DEC 9, 2010	ENFORCEMENT/ORDERS	Staff Letter	3/24/2009
A STATE OF THE PARTY OF THE		ENFORCEMENT/ORDERS	Staff Letter	2/5/2009
		ENFORCEMENT/ORDERS	Staff Letter	12/18/2008
a transmission of the second		ENFORCEMENT/ORDERS	Staff Letter	7/29/2008
Possible Reasons Why This	Case is So Old	ENFORCEMENT/ORDERS	Staff Letter	8/17/2006
		ENFORCEMENT/ORDERS	<u>Staff Letter</u>	7/14/2005
 10 years passed before rer 	mediation was undertaker	ENFORCEMENT/ORDERS	Staff Letter	1/3/2005
• High benzene in soil vapor		ENFORCEMENT/ORDERS	Staff Letter	3/5/2004
		ENFORCEMENT/ORDERS	Staff Letter	6/7/2002
• Proximity to municipal we	ll (>10 years to impact)	LEAK ACTION	Leak Reported	10/20/1987
		LEAK ACTION	Leak Stopped	2/5/1987
NOTE: Data queried from GeoTracker a	and reviewed in May 2010	LEAK ACTION	<u>Leak Discovery</u>	2/4/1987

Activities Conducted to Date Based on GeoTracker

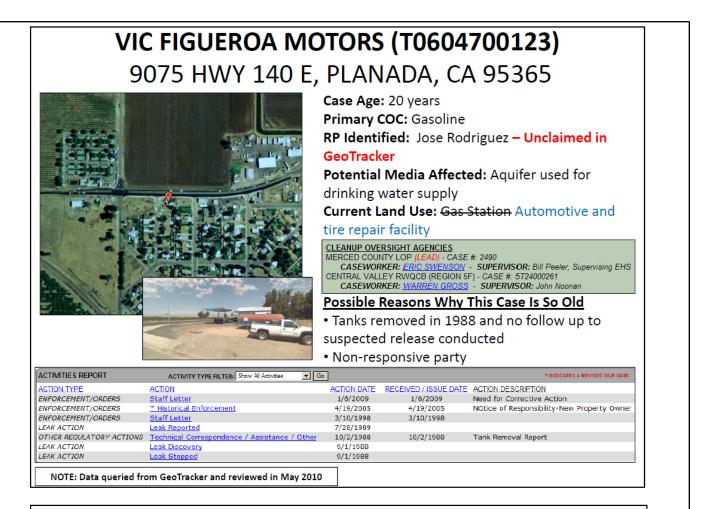
(T0604700045)

 <u>Assessment last 5 years</u> 2009: Site investigation and Feasibility study Since 2005: Many assessments and monitoring activities 	 <u>Remediation last 5 years</u> NONE (MNA recommended in 2009)
Assessment older than 5 years Since 2001: Monitoring 	Remediation older than 5 years 1988: Remediation

LUST CLEANUP SITE DEC 3, 2010 CASEWORKE Summary Closure Review Cleanup Status History Regulatory Activities Environmental Data (ESI) Site Maps / Documents Common Site CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 7/27/2009 Maps / Documents Common Site	RWQCB (REGION SF) - CASE #: 5724000 R: WARREN GROSS unity Involvement IEW ALL POSSIBLE CLOSURE REVIEW VALU
CLOSURE REVIEW - THIS CASE IS NOT READY FOR CLOSURE AS OF 7/27/2009	~
IMPEDIMENTS TO CLOSURE	IEW ALL POSSIBLE CLOSURE REVIEW VALU
UNACCEPTABLE RISK Unacceptable Risks to Human Health from Vapor Intrusion - High benzene concentration in soil vapor.	
Unacceptable Risks to Human Health from vapor intrusion - High benzene concentration in soil vapor.	
BENEFITS OF ADDITIONAL WORK	
Remove / Reduce Source Mass - High benzene concentration in soil vapor.	
SENSITIVE RECEPTORS LIKELY TO BE IMPACTED AND TIME FRAME FOR IMPACT	
SENSITIVE RECEPTOR TIME FRAME FOR IMPACT COMMENTS Municipal Well > 10 Years No impacts identifi	
Municipal Well > 10 Years No impacts identifi	:d.
GROUNDWATER MONITORING FREQUENCY	
# OF WELLS MONITORED - SEMI-ANNUALLY : 6	

Review Conclusions T0604700045

- Review indicates:
 - Consultant recommended monitored natural attenuation
 - Closure review indicates unacceptable risk from vapor intrusion (benzene)
 - Subsurface investigation on Sept 2009 indicated no benzene or fuel oxygenates detected in soil samples collected and no TPHg detected in majority of the soil samples (maximum at 130ppm)
- Discussion:
 - Cleanup closure timeline (site is currently an active gas station)
- Potential closure consideration



Activities Conducted to Date Based on GeoTracker (T0604700123)

 <u>Assessment last 5 years</u> 2011: On-going assessment 2009: Agency letter requesting need for corrective action 	Remediation last 5 years • NONE
Assessment older than 5 years • 1988: Tanks removal – soil and water sample taken	Remediation older than 5 years • NONE

IMPEDIMENTS TO	CLOSURE T0604700123
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as reported by regulatory agency

075 HWY 140 E LANADA, CA 95365 IERCED COUNTY <i>UST CLEANUP SITE</i>		CLEANUP OVERSIGHT AGENCIES MERCED COUNTY LOP (LEAD) - CASE #: 2490 CASEWORKER: <u>ENC SWENSON</u> CENTRAL VALLEY RWQCB (REGION 5F) - CASE #: 5T24000261 CASEWORKER: <u>WARREN GROSS</u>
Summary Closure Review Clean	up Status History Regulatory Activities Environmental Dat	(ESI) Site Maps / Documents Community Involvement
CLOSURE REVIEW - THIS CAS	E IS NOT READY FOR CLOSURE AS OF 7/27/20	9 VIEW ALL POSSIBLE CLOSURE REVIEW VALUES
IMPEDIMENTS TO CLOSURE		
SITE ASSESSMENT INCOMPLETE Incomplete Conceptual Sit Pollutant Sources Have No Extent of Contamination H Potential Risks, Threats, J		ite assessment. n Adequately Identified And Assessed - No site assessment.
SITE ASSESSMENT INCOMPLETE Incomplete Conceptual Sit Pollutant Sources Have No Extent of Contamination H Potential Risks, Threats, / Sensitive Receptor Survey PROCEDURAL IMPEDIMENTS	t Been Adequately Identified or Evaluated - <i>No s</i> las Not Been Determined - <i>No site assessment</i> .	n Adequately Identified And Assessed - <i>No site assessment</i> .
SITE ASSESSMENT INCOMPLETE Incomplete Conceptual Sit Pollutant Sources Have No Extent of Contamination H Potential Risks, Threats, / Sensitive Receptor Survey <u>PROCEDURAL IMPEDIMENTS</u> Non-Responsive and / or R	It Been Adequately Identified or Evaluated - No s las Not Been Determined - No site assessment. And Other Environmental Concerns Have Not Bee Has Not Been Completed - No site assessment. Recalcitrant Responsible Party - Responsible part	n Adequately Identified And Assessed - <i>No site assessment</i> .
SITE ASSESSMENT INCOMPLETE Incomplete Conceptual Sit Pollutant Sources Have No Extent of Contamination H Potential Risks, Threats, / Sensitive Receptor Survey <u>PROCEDURAL IMPEDIMENTS</u> Non-Responsive and / or R <u>BENEFITS OF ADDITIONAL WORK</u> Fill-in RI Data Gaps - No si	It Been Adequately Identified or Evaluated - No s las Not Been Determined - No site assessment. And Other Environmental Concerns Have Not Bee Has Not Been Completed - No site assessment. Recalcitrant Responsible Party - Responsible part	n Adequately Identified And Assessed - <i>No site assessment</i> .
SITE ASSESSMENT INCOMPLETE Incomplete Conceptual Sit Pollutant Sources Have No Extent of Contamination H Potential Risks, Threats, / Sensitive Receptor Survey <u>PROCEDURAL IMPEDIMENTS</u> Non-Responsive and / or R <u>BENEFITS OF ADDITIONAL WORK</u> Fill-in RI Data Gaps - No si	t Been Adequately Identified or Evaluated - No s ias Not Been Determined - No site assessment. And Other Environmental Concerns Have Not Bee Has Not Been Completed - No site assessment. Recalcitrant Responsible Party - Responsible part te assessment.	n Adequately Identified And Assessed - <i>No site assessment</i> .

Review Conclusions T0604700123

- Review indicates:
 - Limited document/report available in GeoTracker
 - Tank removal report in 1988 indicated (1) NDs for soil samples, and (2) groundwater collected from tank pit detected TPH-g (630-ppb), benzene (25-ppb), toluene (71-ppb) and xylenes (140-ppb)
 - Letter from Merced County in Jan 2009 to RP requesting "Need for Corrective Action"
 - Agency letter in 2011 proposing nomination into Emergency Abandoned and Recalcitrant Program
 - Agency indicated: (i) no fuel has been dispensed at this facility for some time, and (ii) site assessment is currently on-going
 - Agency indicated: "During site assessment work on October 13, 2011, a previously unknown leak from the former fuel dispenser island was found. This leak likely contributed to groundwater contamination found during tank removal in 1988. Groundwater sampling scheduled for week of November 7, 2011."
- Discussion:
 - RP compliance and possible closure (tank removal results, age of case, current land use)
- Possible closure candidate pending confirmation sampling