

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
ALEX BRISCOE, Director



ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

June 10, 2014

Bob Lawlor
Transportation Terminals Company
4919 Tidewater Ave. Unit B
Oakland, CA 94601
(sent via electronic mail to boblawlor@sbcglobal.net)

DiSalvo Trucking
15651 Worthley Drive
San Lorenzo, CA 94580

Subject: Case Closure Fuel Leak Case No. R00002558 and GeoTracker Global ID T06019710220, DiSalvo Trucking, 15651 Worthley Drive, San Lorenzo, CA 94580

Dear Responsible Parties:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25296.10[g]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed. This case closure letter and the case closure summary can also be viewed on the State Water Resources Control Board's Geotracker website (<http://geotracker.waterboards.ca.gov>) and the Alameda County Environmental Health website (<http://www.acgov.org/aceh/index.htm>).

If you have any questions, please call Keith Nowell at (510) 567-6764. Thank you.

Sincerely,

Dilan Roe, P.E.
LOP and SCP Program Manager

Enclosures: 1. Remedial Action Completion Certification
2. Case Closure Summary

cc: Cherie McCaulou (w/enc.), SF- Regional Water Quality Control Board, 1515 Clay Street, Suite 1400, Oakland, CA 94612, (sent via electronic mail to CMacau/ou@waterboards.ca.gov)
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (Sent via E-mail to: lgriffin@oaklandnet.com)

Ben Halsted, Environmental Restoration Services., 500 Santa Cruz Avenue, Menlo Park, CA 94025 (Sent via E-mail to: envirest@aol.com)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Keith Nowell (sent via electronic mail to keith.nowell@acgov.org)
Electronic File, GeoTracker



REMEDIAL ACTION COMPLETION CERTIFICATION

June 10, 2014

Bob Lawlor
Transportation Terminals Company
4919 Tidewater Ave. Unit B
Oakland, CA 94601
(sent via electronic mail to boblawlor@sbcglobal.net)

DiSalvo Trucking
15651 Worthley Drive
San Lorenzo, CA 94580

Subject: Case Closure Fuel Leak Case No. R00002558 and GeoTracker Global ID T06019710220, DiSalvo Trucking, 15651 Worthley Drive, San Lorenzo, CA 94580

Dear Responsible Parties:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

Please be aware that claims for reimbursement of corrective action costs submitted to the Underground Storage Tank Cleanup Fund more than 365 days after the date of this letter or issuance or activation of the Fund's Letter of Commitment, whichever occurs later, will not be reimbursed unless one of the following exceptions applies:

- Claims are submitted pursuant to Section 25299.57, subdivision (k) (reopened UST case); or
Submission within the timeframe was beyond the claimant's reasonable control, ongoing work is required for closure that will result in the submission of claims beyond that time period, or that under the circumstances of the case, it would be unreasonable or inequitable to impose the 365-day time period.

This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code. Please contact our office if you have any questions regarding this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ariu Levi', written over a light blue circular stamp.

Ariu Levi
Director

**CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK- LOCAL OVERSIGHT PROGRAM**

I. AGENCY INFORMATION

Date: June 10, 2014

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 567-6764
Responsible Staff Person: Keith Nowell	Title: Hazardous Materials Specialist

II. CASE INFORMATION

Site Facility Name: Di Salvo Trucking		
Site Facility Address: 15651 Worthley Drive, San Lorenzo, California 94580		
RB Case No.: NA	STiD No.: NA	LOP Case No.: R00002558
Geotracker ID: T06019710220	APN: 438-10-3-14	
Current Land Use: Commercial -Trucking Terminal		
Responsible Parties	Addresses	Phone Numbers
Transportation Terminals Company	4919 Tidewater Ave. Unit B Oakland, CA 94601	(415) 279-7003

This Case Closure Summary along with the Case Closure Transmittal letter and the Remedial Action Completion Certification provides documentation of the case closure. This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions. Additional information on the case can be viewed in the online case file. The entire case file can be viewed over the Internet on the Alameda County Environmental Health (ACEH) website (<http://www.acgov.org/acehlllop/ust.htm>) or the State of California Water Resources Control Board GeoTracker website (<http://geotracker.waterboards.ca.gov>). Not all historic documents for the fuel leak case may be available on GeoTracker. A more complete historic case file for this site is located on the ACEH website.

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and Type of Release: Release from underground storage tank (UST) system.		
Number of monitoring wells installed: 4	Number of monitoring wells destroyed: 4	Number of monitoring wells remaining: 0
Highest Groundwater Depth Below Ground Surface: 1.79 feet bgs	Lowest Depth: 5.01 feet bgs	Flow Direction: West to southwest
Most Sensitive Current Groundwater Use: Potential drinking water source		

<p>Summary of Production Wells in Vicinity:</p> <p>One inactive industrial well is located at 2222 Grant Road. The 320-foot deep well is located more than 250 feet north-northeast of and is up gradient to the site. The well was reported capped off and cemented over circa 2000. Based on the low levels of residual concentrations of total petroleum hydrocarbons as diesel (TPHd) in groundwater beneath the site and the depth of the industrial well, the well is not expected to be a receptor for the site.</p> <p>The in-active San Lorenzo well field is located at least 1,000 feet west of the site. The two municipal wells in this well field are listed as being 596-feet and 834-feet-deep. Additionally, the Bayside injection well study, performed in the well field area, includes a 540-foot deep active injection well and several observation wells. The Bayside injection well can be used for injection or extraction. The two shallowest observations wells are described as 60-feet and 200-feet-deep with the other observation wells reported having depths ranging from 560 feet to 882 feet. An industrial well located within the San Lorenzo well field, is approximately 2,000 feet west of the site. The industrial well is identified as 993 feet deep. Based on the distance and depth, these wells would not be expected to be a receptor for the site.</p> <p>No other water supply wells were identified within 2,000 feet of the site.</p>	
Are drinking water wells affected? No	Aquifer Name: East Bay Plain
Is surface water affected? No	Nearest Surface Water Name: The Bockman canal is the nearest surface water body and is located approximately 1,500 feet south of the site.

LTCP GROUNDWATER SPECIFIC CRITERIA

LTCP Groundwater Specific Scenario under which case was closed: Scenario 1

Site Data		LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Plume Length	< 100 feet	<100 feet	<250 feet	<250 feet	<1,000 feet
Free Product	No free product	No free product	No free product	Removed to maximum extent practicable	No free product
Plume Stable or Decreasing	Stable	Stable or decreasing	Stable or decreasing	Stable or decreasing for minimum of 5 Years	Stable or decreasing
Distance to Nearest Water Supply Well	> 250 feet up gradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Distance to Nearest Surface Water and Direction	1,500 feet down- to cross-gradient	>250 feet	>1,000 feet	>1,000 feet	>1,000 feet
Property Owner Willing to Accept a Land Use Restriction?	Not applicable for groundwater specific criteria	Not applicable	Not applicable	Yes	Not applicable

GROUNDWATER CONCENTRATIONS

Constituent	Historic Site Maximum (ppb)	Current Site Maximum (ppb)	LTCP Scenario 1 Criteria (ppb)	LTCP Scenario 2 Criteria (ppb)	LTCP Scenario 3 Criteria (ppb)	LTCP Scenario 4 Criteria (ppb)
Benzene	< 10	< 0.5	No criteria	3,000	No criteria	1,000
MTBE	2.09	< 3	No criteria	1,000	No criteria	1,000
List other chemicals of specific concern	---	---				

Scenario 5: If the site does not meet scenarios 1 through 4, has a determination been made that under current and reasonably expected future scenarios, the contaminant plume poses a low threat to human health and safety and to the environment and water quality objectives will be achieved within a reasonable time frame?

LTCP VAPOR SPECIFIC CRITERIA

LTCP Vapor Specific Scenario under which case was closed: This case should be closed in spite of not meeting the vapor specific media criteria (no volatiles).

Active Fueling Station Not applicable

Site Data		LTCP Scenario 1 Criteria	LTCP Scenario 2 Criteria	LTCP Scenario 3A Criteria	LTCP Scenario 3B Criteria	LTCP Scenario 3C Criteria	LTCP Scenario 4 Criteria
Unweathered NAPL	No NAPL	LNAPL in groundwater	LNAPL in soil	No NAPL	No NAPL	No NAPL	No criteria
Thickness of Bioattenuation Zone Beneath Foundation	< 5 feet	≥30 feet	≥30 feet	≥5 feet	≥10 feet	≥5 feet	≥5 feet
Total TPH in Bioattenuation Zone	3.16 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm	<100 ppm
Maximum Current Benzene Concentration in Groundwater	< 10 ppb	No criteria	No criteria	<100 ppb	≥100 and <1,000 ppb	<1,000 ppb	No criteria
Oxygen Data within Bioattenuation Zone	No oxygen data	No criteria	No criteria	No oxygen data or <4%	No oxygen data or <4%	≥4% at lower end of zone	≥4% at lower end of zone
Depth of soil vapor measurement beneath foundation	----	No criteria	No criteria	No criteria	No criteria	No criteria	≥5 feet

SCENARIO 4 DIRECT MEASUREMENT OF SOIL VAPOR CONCENTRATIONS

Site Soil Vapor Data			No Bioattenuation Zone		Bioattenuation Zone	
Constituent	Historic Maximum (µg/m ³)	Current Maximum (µg/m ³)	Residential	Commercial	Residential	Commercial
Benzene	----	----	<85	<280	<85,000	<280,000
Ethylbenzene	----	----	<1,100	<3,600	<1,100,000	<3,600,000
Naphthalene	----	----	<93	<310	<93,000	<310,000

If the site does not meet scenarios 1 through 4, does a site-specific risk assessment for the vapor intrusion pathway demonstrate that human health is protected?

No

If the site does not meet scenarios 1 through 4, has a determination been made that petroleum vapors from soil or groundwater will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?

Yes -

LTCP DIRECT CONTACT AND OUTDOOR AIR EXPOSURE CRITERIA

LTCP Direct Contact and Outdoor Air Exposure Specific Scenario under which case was closed: Maximum concentrations of petroleum hydrocarbons are less than or equal to those in Table 1 below.

Are maximum concentrations less than those in Table 1 below?

Yes

Constituent		Residential		Commercial/Industrial		Utility Worker
		0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 5 feet bgs (ppm)	Volatilization to outdoor air (5 to 10 feet bgs) ppm	0 to 10 feet bgs (ppm)
Site Maximum	Benzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
LTCP Criteria	Benzene	≤1.9	≤2.8	≤8.2	≤12	≤14
Site Maximum	Ethylbenzene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
LTCP Criteria	Ethylbenzene	≤21	≤32	≤89	≤134	≤314
Site Maximum	Naphthalene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
LTCP Criteria	Naphthalene	≤9.7	≤9.7	≤45	≤45	≤219
Site Maximum	PAHs	----	----	----	----	----
LTCP Criteria	PAHs	≤0.063	NA	≤0.68	NA	≤4.5
If maximum concentrations are greater than those in Table 1, are they less than levels from a site-specific risk assessment?				----		
If maximum concentrations are greater than those in Table 1, has a determination been made that the concentrations of petroleum in soil will have no significant risk of adversely affecting human health as a result of controlling exposure through the use of mitigation measures or through the use of institutional controls?				----		

IV. CLOSURE

Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, closure of this site appears to be consistent with the policies established by the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy which became effective on August 17, 2012.

Site Management Requirements:

1) NO RESTRICTIONS

This fuel leak case has been evaluated for closure consistent with the State Water Resource Control Board Low-Threat Underground Storage Tank Closure Policy (LTCP). Based on this evaluation, no site management requirements appear to be necessary. However, excavation or construction activities in areas of residual contamination require planning and implementation of appropriate health and safety procedures by the responsible party prior to and during excavation and construction activities.

Should corrective action be reviewed if land use changes? No

Was a deed restriction or deed notification filed? No

Date Recorded: ----

V. ADDITIONAL COMMENTS AND CONCLUSION

Additional Comments:

The site does not meet the LTCP Vapor Intrusion to Indoor Air as there is no bioattenuation zone and does not meet the Direct Contact and Outdoor Air Exposure Specific Scenario as PAHs were not analytes. However, ACEH believes case closure is appropriate under scenario 5 of the LTCP based on the following site-specific conditions:

1. No VOCs have been detected at the site therefore vapor intrusion not a risk.
2. Plume length less than 100 feet.
3. Based on the age of the plume, site hydrogeology, and apparent stability of the plume, the potential for the plume to pose a threat to the nearest reported beneficial use well, a 320-foot deep industrial well more than 250 feet up gradient of the site, appears to be low.
4. TPHd concentrations have always been below WQOs for all groundwater monitoring well samples.
5. Based on the release associated with diesel fuel tank system and the concentrations of residual diesel fuel in site soil, it is unlikely that, PAHs would be present at concentrations that would not be protective of public health or the environment.

Conclusion:

NO RESTRICTIONS

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

LAND USE RESTRICTIONS

Alameda County Environmental Health staff believe that the site meets the conditions for case closure under the State Water Resources Control Board Low-Threat Underground Storage Tank Closure Policy. Based upon the information available in our files to date, no further investigation or cleanup for the fuel leak case is necessary at this time.

VI. LOCAL AGENCY REPRESENTATIVE DATA

Prepared by: Keith Nowell	Title: Hazardous Materials Specialist
Signature: <i>Keith Nowell</i>	Date: <i>June 10, 2014</i>
Approved by: Dilan Roe	Title: LOP and SCP Program Manager
Signature: <i>Dylan Roe</i>	Date: <i>June 10, 2014</i>

VII. REGIONAL BOARD AND PUBLIC NOTIFICATION

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
Regional Board Notification Date: 11/21/2013	
Public Notification Date: 11/21/2013	

VIII. MONITORING WELL DESTRUCTION

Date Requested by ACEH: 1/24/2014	Date of Well Decommissioning Report: 2/26/2014	
All Monitoring Wells Destroyed: Yes	Number Destroyed: 4	Number Retained: 0
Reason Wells Retained: ----		
Additional requirements for submittal of groundwater data from retained wells: ----		
ACEH Concurrence - Signature: <i>Keith Nowell</i>	Date: <i>June 10, 2014</i>	

Attachments:

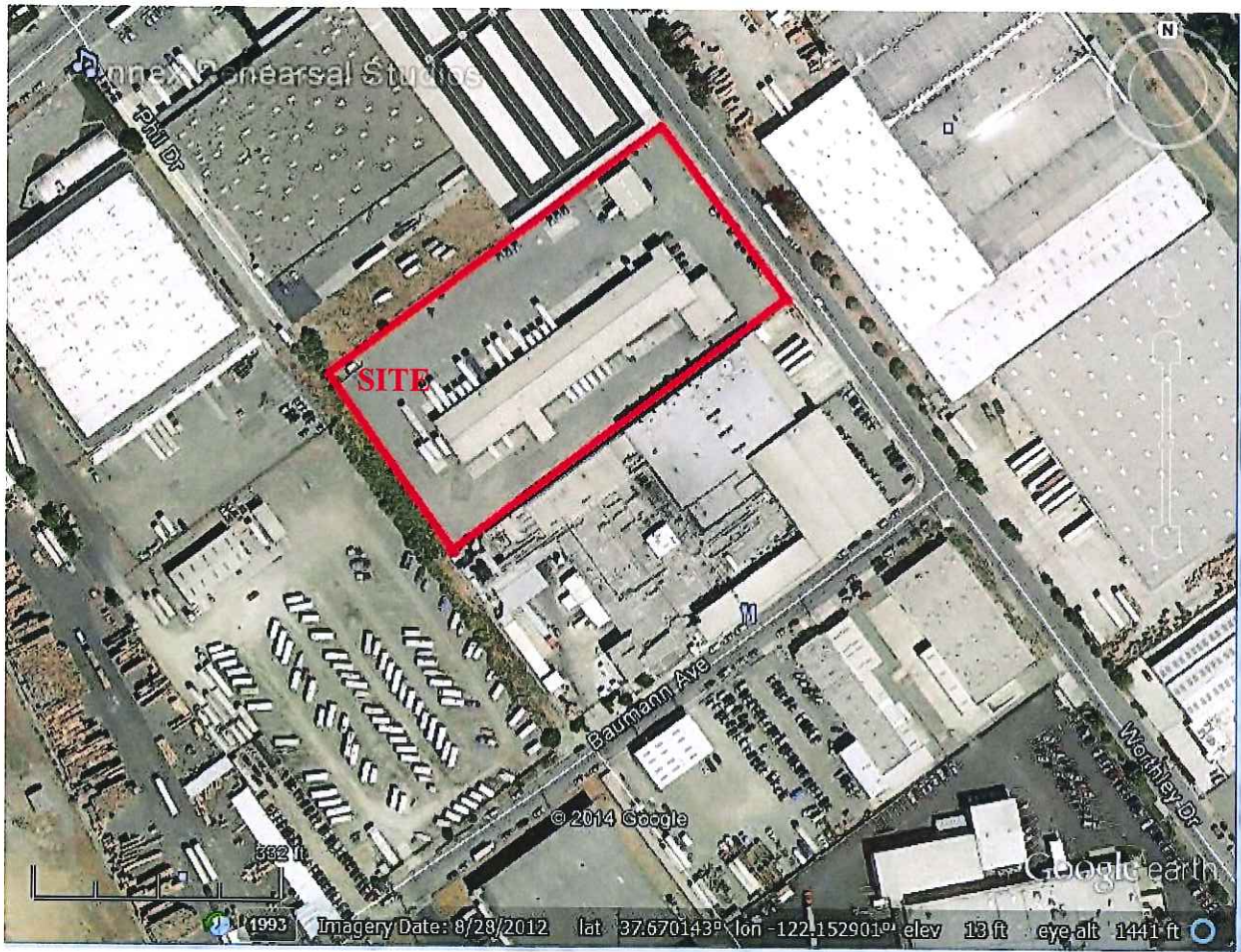
1. Site Vicinity Map and Aerial Photo (2 pp)
2. Site Plan (2 p)
3. Groundwater Contour Map (1 pp)
4. Soil Analytical Data (1 pp)
5. Groundwater Analytical Data (1 pp)

ATTACHMENT 1



VICINITY MAP
15651 Worthley Dr., San Lorenzo, CA

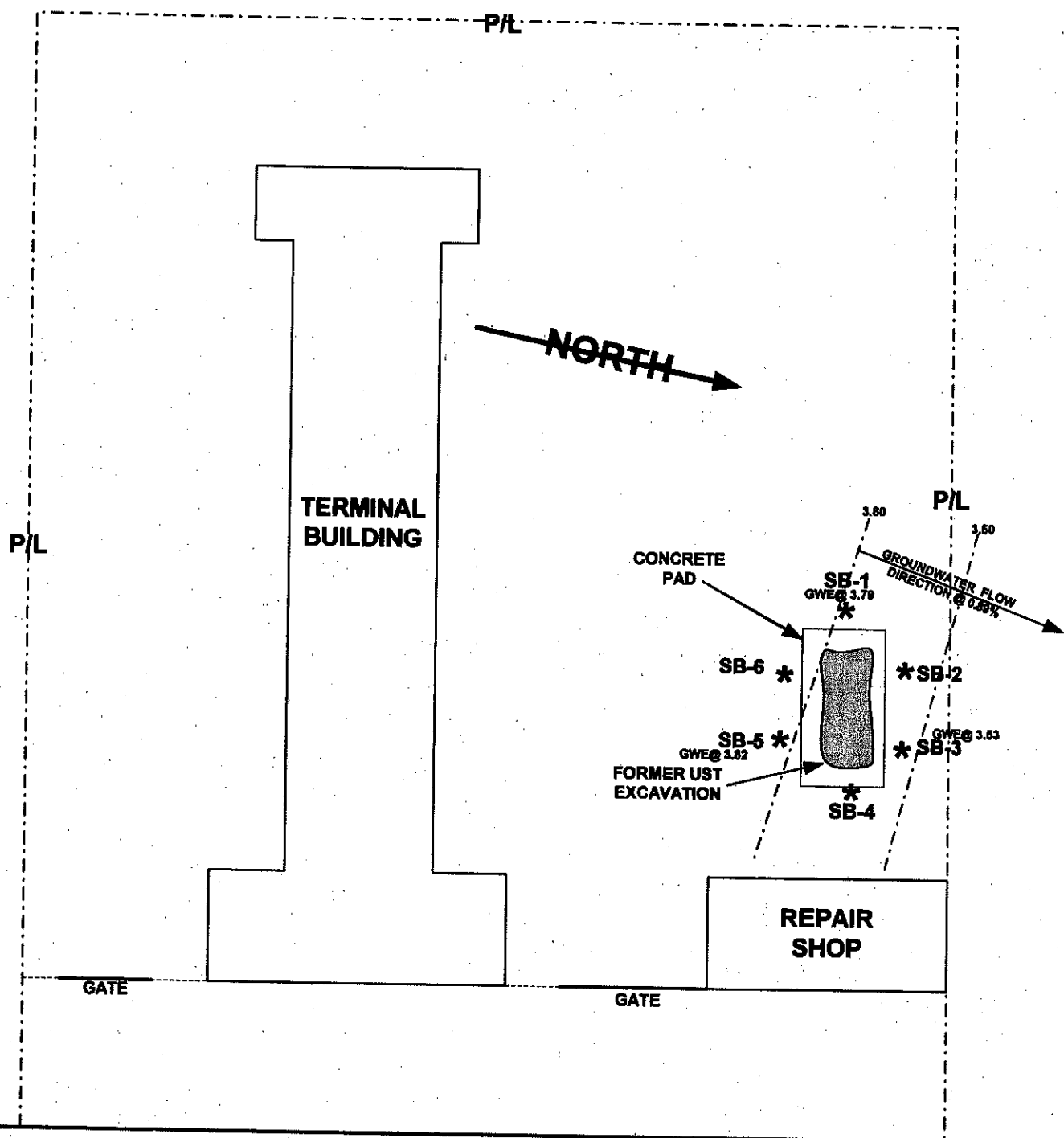
SCALE: 1" = 0.5 miles	BY:
Environmental Restoration Services PO Box 2006, Menlo Park, CA 94026	FIGURE 1



DiSalvo Trucking
15651 Worthley Drive
San Lorenzo, CA

Source: Google Earth

ATTACHMENT 2



*** BORING LOCATIONS**

Well#	Casing Elev.	Depth to Grndwtr.	Grndwtr. Elev.
SB-1	10.00	6.21	3.79
SB-3	10.18	6.65	3.53
SB-5	10.13	6.31	3.82

SITE PLAN		
<i>15651 Worthley Dr., San Lorenzo, CA</i>		
DATE 11/2/06	SCALE: 1"=40'	BY:
<i>Environmental Restoration Services</i>		FIGURE 2
<i>500 Santa Cruz Ave., Menlo Park, CA 94025</i>		

P/L

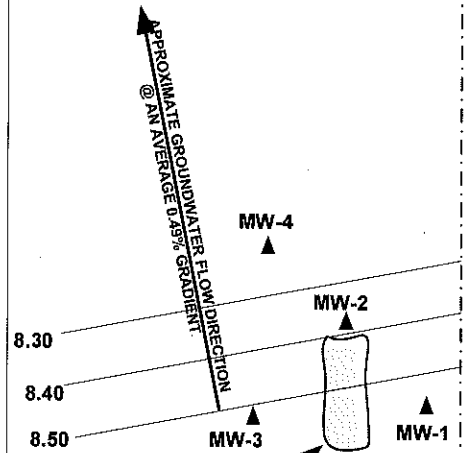


WELL	CASING ELEV.	DEPTH TO G-WTR.	G-WTR. ELEV.
MW1	12.07	3.51	8.56
MW2	11.70	2.21	9.49
MW3	12.05	3.54	8.51
MW4	11.46	3.23	8.23

P/L

P/L

TERMINAL BUILDING



GATE

REPAIR SHOP

GATE

FORMER UST EXCAVATION

WORTHLEY DR.

SITE PLAN

15651 Worthley Dr., San Lorenzo, CA

DATE 3/13/13 SCALE: 1"=60' **FIGURE 2**

Environmental Restoration Services

PO Box 2006, Menlo Park, CA 94026

ATTACHMENT 3

3/13/13

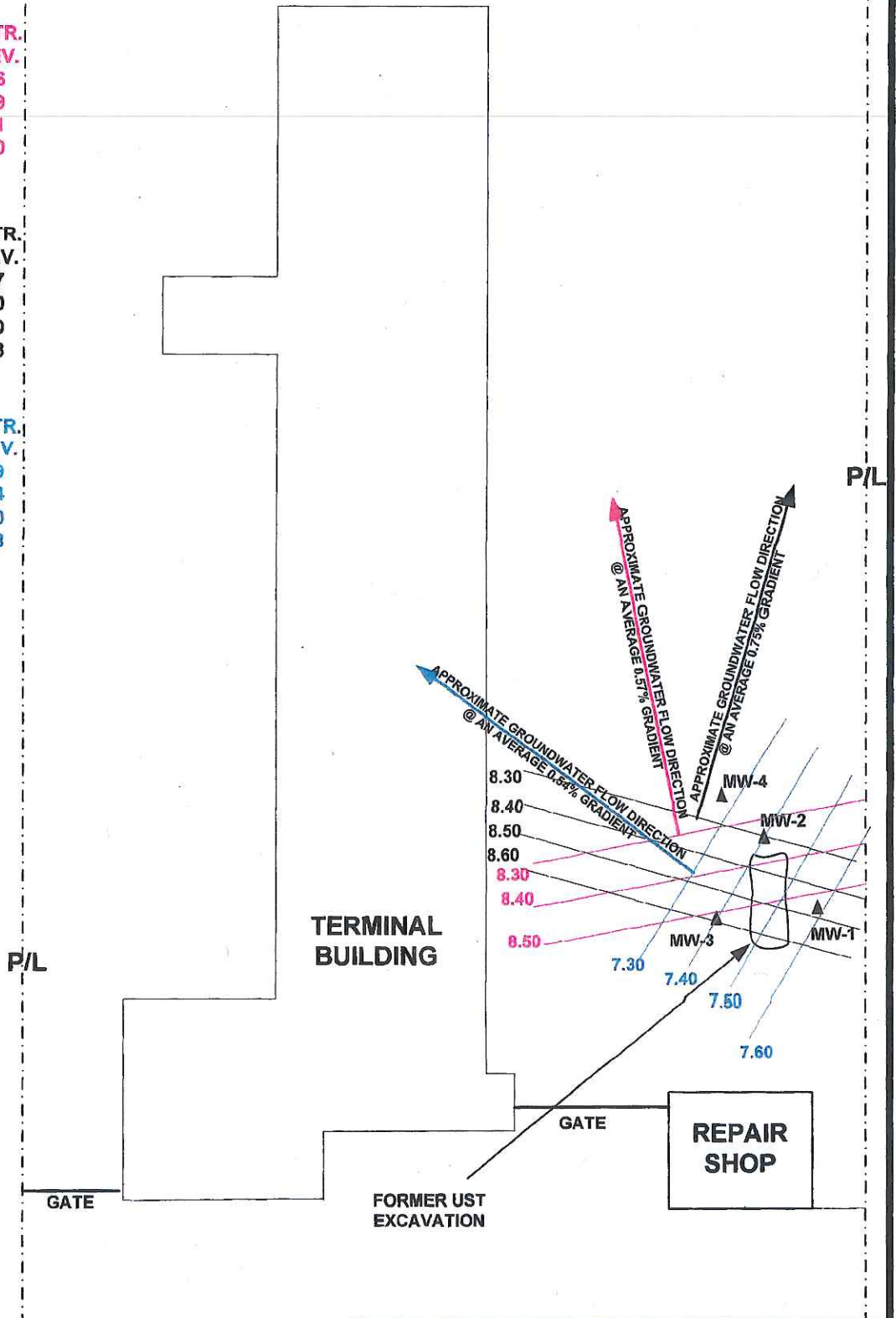
WELL	CASING ELEV.	DEPTH TO G-WTR.	G-WTR. ELEV.
MW1	12.07	3.51	8.56
MW2	11.70	2.21	9.49
MW3	12.05	3.54	8.51
MW4	11.43	3.23	8.20

5/3/13

WELL	CASING ELEV.	DEPTH TO G-WTR.	G-WTR. ELEV.
MW1	12.07	3.60	8.47
MW2	11.70	2.40	9.30
MW3	12.05	3.45	8.60
MW4	11.43	3.20	8.23

2/18/14

WELL	CASING ELEV.	DEPTH TO G-WTR.	G-WTR. ELEV.
MW1	12.07	4.48	7.59
MW2	11.70	2.96	8.74
MW3	12.05	4.65	7.40
MW4	11.43	4.15	7.28



WORTHLEY DR.

SITE PLAN		
15651 Worthley Dr., San Lorenzo, CA		
DATE 2/18/14	SCALE: 1"=60'	FIGURE 2
Environmental Restoration Services		
PO Box 2006, Menlo Park, CA 94026		

ATTACHMENT 4

ATTACHMENT 5

FUELS

Water - Grab & MW

Sample Point	Sampling Date	TPH-d (ug/l)	Benzene (ug/l)	Ethylbenzene (ug/l)	Toluene (ug/l)	Xylenes (ug/l)	MTBE (ug/l)	Naphthalene (ug/l)
PIT-GW	4/30/03	2560*	<10	<10	<10	<20	<10	---
R-CHRG-GW	6/5/03	520	<0.5	<0.5	<0.5	<0.5	---	---
Pit-GW10/1	10/1/03	<50	---	---	---	---	---	---
SB-1	10/17/06	<130	<0.5	<0.5	<0.5	<0.5	<1.0	---
SB-2	10/17/06	<60	<0.5	<0.5	<0.5	<0.5	<1.0	---
SB-3	10/17/06	<70	<0.5	<0.5	<0.5	<0.5	<1.0	---
SB-4	10/17/06	<55	<0.5	<0.5	<0.5	<0.5	<1.0	---
SB-5	10/17/06	<55	<0.5	<0.5	<0.5	<0.5	<1.0	---
SB-6	10/17/06	<50	<0.5	<0.5	<0.5	<0.5	<1.0	---
MW-1	9/17/08	<100	<0.5	<0.5	<0.5	<1.5	<0.5 ²⁻⁰⁹	---
MW-2	9/17/08	<100	<0.5	<0.5	<0.5	<1.5	<0.5	---
MW-3	9/17/08	<100	<0.5	<0.5	<0.5	<1.5	<0.5	---
Tank Pit	1/19/09	---	---	---	---	---	---	<2
MW-1	1/19/09	<100	<0.5	<0.5	<0.5	<0.5	0.96	---
MW-2	1/19/09	<100	<0.5	<0.5	<0.5	<0.5	<0.5	---
MW-3	1/19/09	<100	<0.5	<0.5	<0.5	<0.5	2.27	---
MW-1	10/12/11	54.6	---	---	---	---	<0.5	---
MW-2	10/12/11	131	---	---	---	---	<0.5	---
MW-3	10/12/11	<96	---	---	---	---	1.90	---
MW-1	3/12/12	36.9	<1.0	<1.0	<1.0	<2.0	<2.0	---
MW-2	3/12/12	78.4	<1.0	<1.0	<1.0	<2.0	<2.0	---
MW-3	3/12/12	33.9	<1.0	<1.0	<1.0	<2.0	2.10	---
PITGW4-17	4/17/12	---	---	---	---	---	---	<2
MW-1	10/29/12	107	---	---	---	---	---	---
MW-2	10/29/12	98.3	---	---	---	---	---	---
MW-3	10/29/12	67.3	---	---	---	---	---	---
MW-1	5/3/13	26.9	<0.5	<0.5	<0.5	<1.0	<3.0	---
MW-2	5/3/13	78.5	<0.5	<0.5	<0.5	<1.0	<3.0	---
MW-3	5/3/13	35.6	<0.5	<0.5	<0.5	<1.0	<3.0	---
MW-4	5/3/13	37.5	<0.5	<0.5	<0.5	<1.0	<1.0	---
Tank Pit	9/16/2008	<100	<0.5	<0.5	<0.5	<1.5	<0.5	---

* Grab sample recovered from an isolated mass of non aqueous phase liquid on water surface, as instructed by Alameda County Fire Inspector. Not representative of excavation groundwater.

1. all fuel oxygenates ND

**Historical Groundwater Data
DISSOLVED METALS**

Sample Point	Sampling Date	Cadmium (ug/l)	Chromium (ug/l)	Lead (ug/l)	Nickel (ug/l)	Zinc (ug/l)		
Tank Pit	1/19/09	<5	<5	<15	19	120*		
PITGW4-17	4/17/12	<2	<10	<10	<5	39.5		

* Tank Pit 9/16/2008 *25 7.0 4/2 25 11,000*
 Grab sample recovered from a galvanized metal driven well point and filtered in field. Not representative of excavation groundwater.