



**CONESTOGA-ROVERS
& ASSOCIATES**

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April 11, 2007

Mr. John Rigter
Livermore-Pleasanton Fire Department
3560 Nevada St.
Pleasanton, California 94566

Re: **Tank Pull Soil Sampling Plan**
Former Standard Oil Service Station #30-7233
2259 First St.
Livermore, California

RECEIVED

7:50 am, Apr 18, 2007

Alameda County
Environmental Health

Dear Mr. Rigter,

On behalf of Chevron Environmental Management Company (Chevron), Conestoga-Rovers & Associates (CRA) is submitting this soil sampling plan for the removal of two orphan underground storage tanks (USTs) from the site referenced above (Figure 1). The Underground Tank Closure Plan, as submitted to the Livermore-Pleasanton Fire Department, is included in Attachment A. The proposed sampling plan is presented below.

PROPOSED SOIL SAMPLING PLAN

CRA proposes to sample according to the California State Regional Water Quality Control Board Tri-Regional Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites (dated August 30, 2003 Final Draft).

Air monitoring: A photo-ionization detector (PID) will be used to properly screen ambient air and work zone conditions. The PID will also be used for soil screening purposes.

Sampling: Compliance samples will be collected beneath each end of the USTs. Samples will be collected from the excavator bucket in clean brass tubes, capped with Teflon[®] tape and plastic end caps. The samples will then be labeled, placed into a laboratory supplied cooler with ice, entered onto a chain-of-custody record and transported to a Chevron-certified analytical laboratory.

Chemical Analyses: Compliance samples will be analyzed for the following:

- Total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M,
- Total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M,
- Total oil and grease by EPA Method 8015M,

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- Benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary-butyl ether (MTBE), diisopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl-methyl ether (TAME), tertiary-butanol (TBA), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB) by EPA Method 8260B,
- Semi-volatile organic compounds (SVOCs), Polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs) and poly nucleic aromatics (PNAs) by EPA Method 8270, and
- LUFT 5 metals by EPA Method 6010B.

If additional soil samples are taken from the sidewall and bottom of the excavation, they may only be analyzed for constituents detected in the compliance samples.



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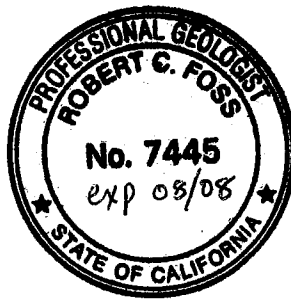
CLOSING

Thank you for your assistance with this project. Please call Satya Sinha at Chevron at (925) 842-9876 or Charlotte Evans at (510) 420-3351 if you have any questions or comments.

Sincerely,
Conestoga-Rovers & Associates

Charlotte Evans

Robert Foss, P.G. #7445



Figures: 1 – Site Plan

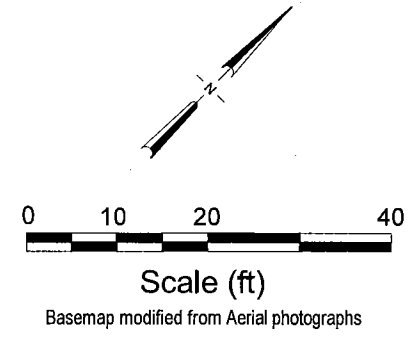
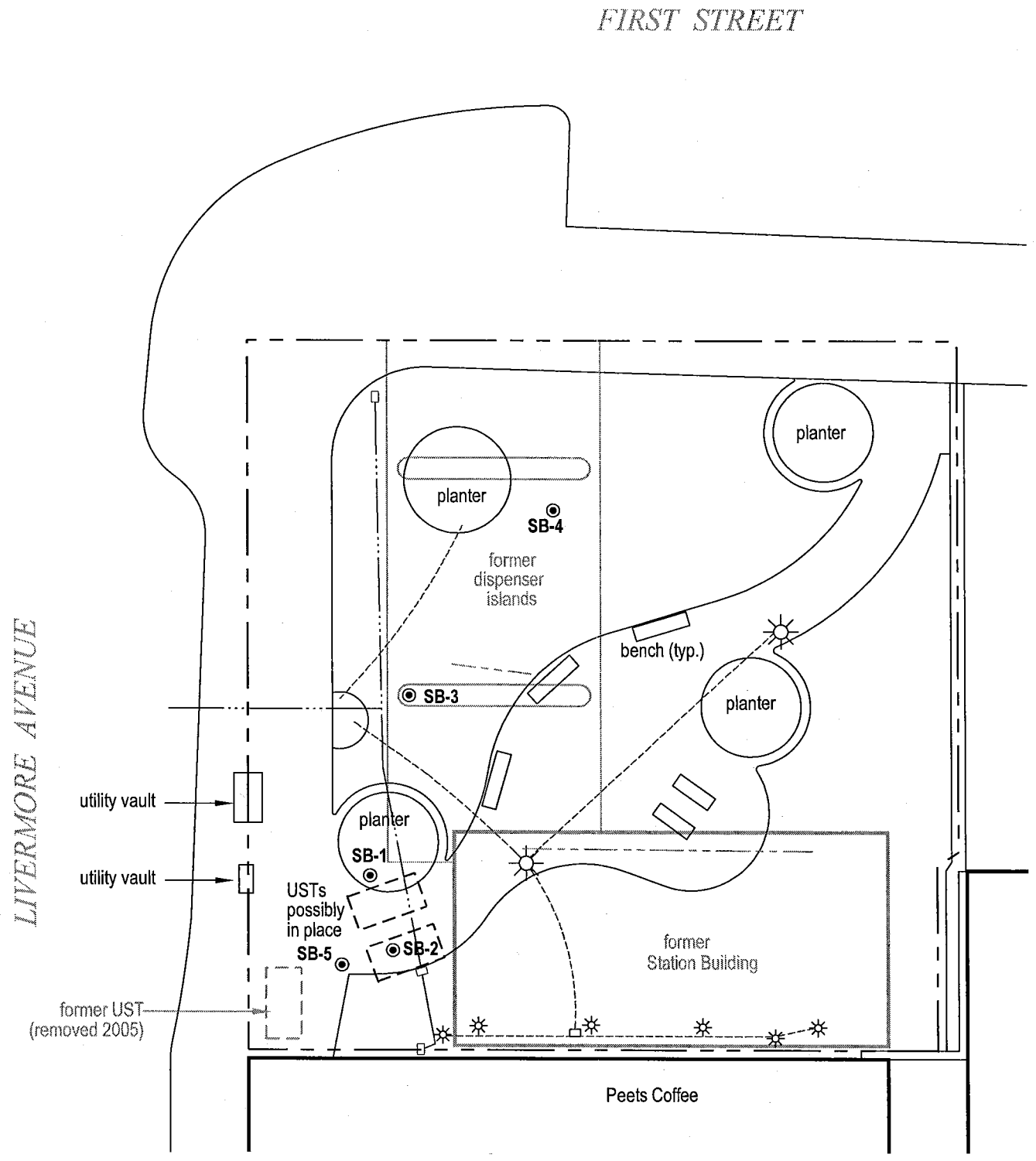
Attachments: A – Livermore-Pleasanton Fire Department Underground Tank Closure Plan

cc: Mr. Satya Sinha, Chevron EMC, P.O. Box 6012, San Ramon, CA 94583
Mr. Jerry Wickham, ACEHS, 1131 Harbor Bay Parkway, Suite 250, Alameda,
CA 94502

I:\Chevron\307233 Livermore\Tank Pull 2007\30-7233 Tank Pull Sampling Plan.doc

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EXPLANATION	
SB-1	Soil boring location
-----	Electrical line
-----	Water line
-----	Unknown utility line



I:\307233 LIVERMORE\FIGURES\30-7233 SITEPLAN.DWG

FIGURE
2

Site Plan

Former Chevron Station 30-7233
2259 First Street
Livermore, California

ATTACHMENT A

Livermore-Pleasanton Fire Department

Underground Tank Closure Report

Livermore-Pleasanton Fire Department

3560 Nevada St., Pleasanton, 94566
(925) 454-2361 Fax; (925) 454-2367

UNDERGROUND TANK CLOSURE PLAN

General Information

1. Name of Business: CHEVRON #307233
Site Address: 2259 FIRST ST
Tank Owner/Operator Contact Person: CHEVRON Phone: 9168358539
EPA ID #: _____
2. Property Owner: CHEVRON PRODUCT CO
Owner Address: 6001 BOLLINGER CANYON RD
SAN RAMON, CA 94583
3. Tank Removal Contractor: GETTLER RYAN
Address: 6747 SIERRA CT, DUBLIN CA 94568
Phone: 925.551.7555 License Type: CONTRACTOR ID #: 220793
4. Required attachments:
 - Worker's Compensation Certificate copy
 - Plot Plan
 - State "Facility" and "Tank" forms (one two page "Tank" form for each UST removed)
 - Pleasanton: Check payable to the City of Pleasanton
 - Livermore: Check payable to the City of Livermore
 - Business License

TANK INFORMATION

5. Tanks to be closed:

Tank No.	Tank Size (gallons)	Tank Contents (including both current and former, if different)	Materials of construction	Age of Tank
1	1,000	GASOLINE	SW STEEL	UNKNOWN
2	1,000	GASOLINE	SW STEEL	UNKNOWN
3				
4				
5				
6				

6. Total number of underground tanks at this facility (prior to this closure): 2
7. Length of piping being closed under this plan: _____

8. Have tanks or pipes leaked in the past?

- Yes. Describe: _____
 No
 Unknown

Management of Tanks

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Piping must be disposed of as hazardous waste unless approved alternative method used. Inaccessible piping must be permanently plugged. It is the contractor's responsibility to bring a working combustible gas indicator on site to verify that the tank is inert. Tanks cannot be removed from the ground unless the LEL is < 20% and the O₂ is < 8%. **The meter must be calibrated in the fire inspector's presence.**

A. Tanks to be managed as NON Hazardous Waste:

A supplemental plan must be attached to this plan demonstrating how the requirements of California Code of Regulations Title 22, Chapter 32 Management of Tanks, Sections 67383.1 - 67383.5 will be satisfied.

B. Tanks to be managed as Hazardous Waste:

Dry ice must be placed in the tank in an amount not less than 22.2 pounds per 1000 gallons of tank capacity. Other methods must be approved on a case by case basis by the Fire Department.

9. Methods to be used for rendering tank(s) inert:

- Cleaning (See attached supplemental information)
 Dry ice (22.2 pounds per 1000 gallons tank volume) TRIPLE RINSE
 Other _____

Sample Collection and Analysis

10. Sample Analysis

	TPHG	TPH D	BTX&E	Lead	CL Hydro	O&G	EPA 8270	pH	MTBE 8260	Other (specify)
Tank 1	X		X	X					X	
Tank 2	X		X	X					X	
Tank 3										
Tank 4										
Tank 5										

One soil sample must be collected for every 20 linear feet of piping that is removed. An underground water sample must be collected if any ground water is present in the excavation. Two soil samples must be collected at each end of the underground tank in native soil (one sample for tanks less than 1,000 gallons).

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting if odors are present.

11. Sampling plan for stockpiled soil: COMPOSITE SAMPLE, REFER TO SAMPLE PLAN PREPARED BY CAMBRIA

12. Will the excavated soil be returned to the excavation immediately after tank removal?

If yes, explain reasoning: NO

Please be aware that excavated soil may not be returned to the excavation without prior approval.

ADDITIONAL CONTRACTOR/CONSULTANT INFORMATION:

13. Product/Residual Sludge/Rinsate Transporter

Name: ECI RICHMOND EPA ID#: CAD982030173
Hauler License #: 0019 License Exp. Date: _____
Address : 255 Parr Boulevard
RICHMOND, CA

14. Product/Residual Sludge/Rinsate Disposal Site

Name: ROMIC CHEMICAL EPA ID#: CAD009452657
Address : 2081 BAY ROAD
EAST PALO ALTO, CA

15. Tank & Piping Transporter

Name: ECI RICHMOND EPA ID#: CAD982030173
Address : 255 Parr Boulevard
RICHMOND, CA

16. Tank & Piping Disposal Site

Name: ECI RICHMOND EPA ID#: CAD982030173
Address : 255 Parr Boulevard
RICHMOND, CA

17. Sample Collector

Name: CAMBRIA EPA ID#: _____
Address : 4111 CITRUS AVE
Rocklin, CA 95677

18. Laboratory

Name: LANCASTER LABORATORY EPA ID#: _____
Address : 2425 NEW HOLLAND PIKE
LANCASTER, PA 17605

CLOSURE REPORT:

A final closure report must be submitted within 60 days of tank closure which describes the closure activities, presents the sample analysis results including copies of lab reports and chain of custody, and documents the final disposal of waste materials, tanks, and piping including one copy of the waste manifests.

Questions for the Fire Department can be addressed to Paul Smith (925-454-2339, psmith@lpfire.org), John Rigter (925-454-2337, jrigter@lpfire.org), Danielle Stefani (925-454-2338, dstefani@lpfire.org)