HAZARDOUS MATERIALS OFFICE
25151 CLAWITER ROAD
HAYWARD, CA 94545-2759
(510) 293-8695

RECEIVED BY
FIRE PREVENTION OFFICE
SEP 17 1996
HAYWARD FIRE DEPARTMENT

UNDERGROUND STORAGE TANK REMOVAL/CLOSURE PLAN

This Section For Hazardous Materials Office Use Only

Date Received: 09-17-96 Date Reviewed: 10/4/96

Permit No. 2875 ( ) Approved ( ) Disapproved

Amount Paid: $ 540.00 ( ) Approved with modifications/ conditions

Received By: Laura

Reviewer's Comments: _____

_____

Reviewed By: _____

NOTES: 1. **For the purpose of this document, the term "*tank*" shall include underground or below-grade tanks, sumps, vaults, and other underground or below-grade storage facilities.**

2. **Attachments 1, 2, 3, and 6 to this Removal/Closure Form contain the guidelines issued by the California Regional Water Quality Control Board - San Francisco Bay Region and the City of Hayward on the removal/closure of underground fuel tanks.**

1. FACILITY/SITE NAME: Chevron USA

Street Address: 21995 Foothill BLVD

Contact Person: Larry Wallace Tel. No. 510-842-9083

Facility's EPA I.D. No. CALD000230067

2. PROPERTY OWNER: Chevron USA

Mailing Address: PO BOX 5004, San Ramon, CA 94583

Telephone No. 510 - 842 - 9083

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3. CONSULTANT(S): Touchstone Development

Mailing Address: PO Box 2554, Santa Rosa, CA 95404

Professional Registration: C.E.G. 1014 Jeff Monroe

Phone No. (707) 538-8818

4. CONTRACTOR(S): Musco Excavators Inc

Address: 2155 Nyla Place, Santa Rosa, CA 95401

Contact Person: Brian Musco Tel. No. (707) 579-0250

Contractor's License (Type and No.) 634117 A, B, C10, C21, HAZ

Hayward Business License No. 119780 Expiration Date 12/31/96

Workers' Compensation Ins.No. 372895 Expiration Date 4/1/97

Contractors State License Board Haz. Waste Cert. No. 634117

Expiration Date 9/30/97

NOTES:

1. **If any of the above-listed licenses/certificates are not on file with the Hayward Fire Department, submit a copy of each with this Removal/Closure Plan.**

2. **The contractor is responsible for ensuring compliance with all applicable Industry Safety Standards; namely, OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). *Please have on-site, available for review, a copy of the* Health and Safety Plan. *The inspector present may stop all work if contractor fails to perform the specified work in accordance with the Health and Safety Plan and the provisions of this closure/removal plan.***

5. PROJECT MANAGER/PRIMARY CONTACT: Larry Wallace; Chevron USA

Emergency Telephone Number (s): (510) 842-9083

6. REMOVAL/CLOSURE

(a) Tanks to be removed

Tank No.	Capacity	Material(s) Stored
1	10,000	Reg unleaded
2	10,000	Prem unleaded
3	10,000	Prem unleaded

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(b) Why are tanks being removed?

( ) Facility is moving
( ) To avoid monitoring requirements
(X) Other Facility is being destroyed & not replaced.
( ) Suspect tank/line leak
( ) Tanks not used any more

NOTE: **If a leak is suspected, please attach documentary basis for this suspicion. (e.g., engineering reports, monitoring results, sample results)**

(c) When do you propose to remove/close the tanks?

Date: 9/30/96 Time: 10:00 am

(d) Attach a drawing showing the location of all tanks and associated underground pipes at the facility indicating which will be removed/closed, which will remain, the closest streets, the north direction, drawing scale, and buildings on the site. Include distances to landmarks, such as buildings, which will allow for exact location of tanks on the site.

(e) If the tank(s) are to be filled in-place, please fill out and submit Attachment 4, "Underground Tank Closure Form Supplement: In-Place Closures." Tanks are allowed to be closed in-place only if they are directly adjacent to a building and removal of the tank(s) will impair the structural integrity of the building.

(f) Notification of the Bay Area Air Quality Management District (BAAQMD) is required prior to tank removal activities. Violators may be fined a minimum of $500. Please complete Attachment 5 carefully and submit it to the BAAQMD at least five (5) working days prior to removal of tanks. ***Do not submit form to the Fire Department.***

NOTE: **While this application is provided for your convenience, we recommend that you contact the BAAQMD for any recent changes in reporting that may have occurred.**

(g) Describe how the tank will be inerted. The methods used must lower both the flammable vapors and the oxygen content. A riser at least 5 feet high must be placed on all openings during inerting to help keep vapors from accumulating in the excavation.

Dry ice, Triple Rinse

(h) An explosion-proof combustible gas meter must be used to verify tank inertness. Flammable vapors concentration must be below 15% of the Lower Explosive Limit (LEL) prior to removal. ***Equipment required to calibrate instruments must be on site.*** Provide make and model number of instrument to be used.

Gastech Inc model #1238

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7. SAMPLING

Soil and/or groundwater sampling should be done according to the guidelines in Attachment 1.

(a) Briefly describe the sampling protocol to be used. If necessary, attach a sampling map and a sampling procedure outline.

Per Alameda County guide lines

(b) All accessible pipings associated with underground tanks must be removed. Soil samples must be taken at least every 20 feet. Additional samples may be required if evidence of contamination is noted. If pipes are located under a building and if no other information exists which indicates that a leak may have occurred, it may be possible to use an inert gas pressure test to confirm the integrity of the pipes. The acceptability of this option will be determined on a case by case basis. A failed pressure test will necessitate further action.

How will pipelines, including fill, vent, vapor recovery, and delivery lines, be handled in accordance with the above requirements? (*If removed, how will pipes be disposed of? If left in-place, how will pipes be tested, cleaned, and sealed?*)

Pipes will be loaded into an Erickson, Inc. debris box and hauled by Erickson, Inc to their yard and properly disposed of.

(c) Complete the "Sampling Summary" on page 5. Provide all applicable information required.

(d) Who will conduct the sampling?

Name: Touchstone Development.

Address: PO Box 2554, Santa Rosa CA 95404

(e) Who will analyze the samples?

Name of Laboratory: Sequoia Analytical

Address: 1680 Chesapeake Drive Redwood City CA 94063

Is this analytical laboratory certified in California for all the analyses required?

(X) Yes ( ) No

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SAMPLING SUMMARY

FACILITY NAME: Chevron USA ADDRESS: 21995 Foothill Blvd, Hayward

Tank System *	Size Capacity	Former contents of tank	Construction material	Age	Material to be sampled (sludge, soil, etc.)	Preparation and analytical method numbers
Tank #1	10,000	Reg/unleaded	n/A	11yrs	Soil	8020, 8015, 6010
Tank #2	10,000	Prem/unleaded	n/A	11yrs	Soil	8020, 8015, 6010
Tank #3	10,000	Prem/unleaded	n/A	11yrs	Soil	8020, 8015, 6010
Tank #4						
Tank #5						

* A tank system includes the tank ***and*** associated piping (i.e., product, fill piping, vapor recovery, vent lines, and dispensers)

ANY ADDITIONAL PIPING TO BE REMOVED:

Additional Piping	Use (vapor, product, etc.)	Former contents of tank	Construction material	Age	Material to be sampled (sludge, soil, etc.)	Preparation and analytical method numbers
Pipe #1	VR/product	Reg/unlead	n/A	11yrs	Soil	8020, 8015, 6010
Pipe #2	VR/product	Prem/unlead	n/A	11yrs	Soil	8020, 8015, 6010
Pipe #3	VR/product	Prem/unlead	n/A	11yrs	Soil	8020, 8015, 6010

NOTE: California Regional Water Quality Control Board - San Francisco Bay Region Guidelines for sampling and analysis must be followed.
(See Attachments 1, 2,and 3)

COMMENTS: _____

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NOTE: **Soil and water samples to be tested for organic compounds must be preserved in ice at 4°C. An adequate quantity of "*wet*" ice is preferred. "*Blue Ice*" is not allowed; dry ice is acceptable. Samples should be protected from directly coming into contact with dry ice or "*wet*" ice.**

8. WASTE DISPOSAL

NOTES:

1. **Underground tanks and pipes, once removed, are a hazardous waste in California. They must be hauled to a certified waste site on certified trucks, accompanied by a Uniform Hazardous Waste Manifest.**

2. **Appropriate measures must be taken to keep the concentration of flammable gases in the tank below 15% of the Lower Explosive Limit (LEL) during and after excavation. Tanks must be removed from site on the same day that they are substantially exposed. While on site, after removal from the ground, tanks must be monitored a minimum of once per hour for % LEL and oxygen level readings.**

3. **Rinsate from underground tanks is also considered hazardous waste and must be handled appropriately.**

4. **Contaminated soils also have restrictions related to their proper storage on site, transportation, and disposal.**

(a) Tank Hauler: Erickson Inc

Address: Richmond CA

Is hauler a California-registered hazardous waste hauler?
(X) Yes ( ) No

Name and address of treatment/disposal facility for tanks:

Erickson Inc
Parr Blvd, Richmond, CA

(b) Product/Rinsate Hauler: Erickson Inc

Address: Parr Blvd, Richmond Phone No (510) 235-1393

Is hauler a California-registered hazardous waste hauler?
(X) Yes ( ) No

Name and address of treatment/disposal facility for product/rinsate: Erickson, Inc Parr Road, Richmond, CA

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(c) Contaminated Soil Hauler: Manley Trucking

Address: 8896 Elder Creek Rd. Sacto Phone No. (916) 381-6864

Is hauler a California-registered hazardous waste hauler?

(X) Yes ( ) No.

Name and address of treatment/disposal facility for soil:

Redwood Landfill Hwy 101, Novato CA

NOTES:

1. Excavated backfill and soil may be removed from the site and taken to a Class I disposal site using a licensed hazardous waste hauler and Uniform Hazardous Waste Manifest without being required to be tested for contamination.

2. Soil may be stockpiled on site, tested per California Regional Water Quality Control Board - San Francisco Bay Region requirements, and, depending on the results of the analyses, may be -

   (1) replaced in the excavation;
   (2) taken to a Class III disposal site;
   (3) used as a clean fill elsewhere;
   (4) taken to a Class I dump; or
   (5) treated on-site, prior to disposal as in (1) or (2) above.

   The California Regional Water Quality Control Board - San Francisco Bay Region determines which of (1) through (5) above is appropriate, given the analytical results.

3. Any excavation can be filled as soon as the tanks are removed, as long as -

   (1) it is refilled only with clean, imported fill; and
   (2) it is understood that it may be necessary to re-excavate the area based upon the results of the analyses.

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9. CERTIFICATION

I, Bryan Musco, declare that:
(Name of Applicant)

(a) If any contamination is found during this tank removal/closure, I will immediately notify the Hayward Fire Department;

(b) If there is any change which would affect any of the information given in the foregoing, I will inform the Hayward Fire Department;

(c) I will file, within thirty (30) days after the tank removal/closure, a post-closure report in accordance with the attached instruction (#17 of Attachment 6, Additional Requirements); and

(d) Under the penalty of perjury, the foregoing information I gave in this removal/closure plan and all attachments thereto is true and correct.

Executed this 16 day of September, 19 96 at Santa Rosa

Musco Excavators Inc
Name of Business

2155 Nyla Place, Santa Rosa, CA 95401
Address

Bryan H. Musco - President
Printed Name and Title of Applicant

Bryan H. Musco
Signature of Applicant

Completed forms should be submitted to:

CITY OF HAYWARD FIRE DEPARTMENT
HAZARDOUS MATERIALS OFFICE
25151 CLAWITER ROAD
HAYWARD, CA 94545-2759

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ATTACHMENT 1

GUIDELINES FOR REMOVAL OF UNDERGROUND FUEL TANKS
California Regional Water Quality Control Board - San Francisco Bay Region

When any subsurface fuel tank is removed, whether for permanent site closure or tank replacement, the owner shall demonstrate that no unauthorized release of fuel has occurred. The following activities shall be the minimum required to demonstrate the above:

1. Review of product inventory records for the three-month period immediately preceding the tank removal.

2. Visual inspection of the tank upon removal. All external tank surfaces and fittings shall be inspected for evidence of holes or leakage. The results of such inspection shall be documented in writing, with photographs where appropriate.

3. Visual inspection of excavation. All excavation surfaces shall be inspected for evidence of leakage. Evidence of leakage would include stained soil, floating product, etc. The results of such inspection shall be documented in writing, with photographs where appropriate.

4. The number of soil samples to be analyzed and their locations are described in Attachment 2. If obviously stained or contaminated areas exist, then additional soil samples from these areas shall be collected and analyzed.

5. Soil samples shall be collected from the native soil at, or just below the interface of the backfill with the native soil. Samples shall be taken using a driven-tube type sampler, capped and sealed with inert materials, and extruded in the lab in order to reduce the loss of volatile materials. Formal, signed, chain-of-custody records shall be maintained for each sample and submitted with the results to the regulatory agency.

   To expedite the process of tank removal, the following alternative sampling method may be used:

   - Immediately upon removal of the tank a backhoe bucket of native soil shall be taken from the native soil/backfill interface. This soil shall be rapidly brought to the surface.

   - Approximately three inches shall be rapidly scraped away from the surface of this soil, then a clean brass tube (at least three inches long) shall be driven into the soil with a suitable instrument (wooden mallet, etc.).

   - The ends of the brass tube shall be covered with aluminum foil, then plastic end caps, and finally wrapped with a suitable tape.

   - The samples shall be immediately placed on ice, or dry ice, for transport to a laboratory. Again, formal chain-of-custody records shall be maintained and submitted for each sample.

6. If the bottom of the tank is below the groundwater table then soil samples will be collected from the excavation walls at the soil/groundwater interface. In this case, a

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water sample shall also be collected as soon as possible from the surface of the groundwater in the excavation. A check shall initially be made for any free floating product. If no floating product is detected, then a water sample shall be taken with a device designed to reduce the loss of volatile components. A bailer is a suitable sampling device. The water sample shall be immediately poured into a volatile organic analysis (VOA) vial with as little agitation as possible. A teflon-lined septum shall be used to seal the vial.

7. Soil and water samples shall be analyzed for total hydrocarbons by the methods outlined in Attachment 3 - "Recommended Minimum Verification Analyses for Underground Tank Leaks."

8. The Regional Board may, in the future, approve a limited number of alternative "quick screening" methods (e.g., the use of field G.C. or calibrated combustible gas meters) for determination that unacceptable levels of fuel do not remain after excavation, particularly at sites which are not Confirmed Release or Suspected Leak sites. Such methods may not require sampling and analytical protocols as listed above. Such methods may presently be useful in guiding field decisions, but sampling and analysis as specified above are ***presently required*** for confirmation in all instances.

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ATTACHMENT 2

GUIDELINES FOR SAMPLING DURING ROUTINE TANK REMOVALS
California Regional Water Quality Control Board - San Francisco Bay Region

CASE A: *WATER NOT PRESENT IN TANK PIT*

1. Remove a maximum of two feet of native soil before sampling.
2. If areas of obvious contamination are observed, they are to be sampled.

TANK SIZE	MINIMUM NUMBER OF SOIL SAMPLES	LOCATION OF SOIL SAMPLES
Less than 1,000 gal.	One per tank	Fill or pump end of tank
1,000-10,000 gal.	Two per tank	One at each end of tank
Greater than 10,000 gal.	Three or more per tank	Ends and middle or generally spaced along the length of the tank
Piping	One	Every 20 lineal feet

CASE B: *WATER PRESENT IN TANK PIT*

1. The tank pit may be purged and allowed to refill before sampling. The purged water is to be handled appropriately.
2. The water sample is to be representative of water in the tank pit.

TANK SIZE	MINIMUM NUMBER OF SOIL SAMPLES	LOCATION OF SOIL SAMPLES	MINIMUM NUMBER OF WATER SAMPLES
10,000 gal. or less (single tank)	Two	From wall next to tank ends at soil/ground water interface	One
Greater than 10,000 gal. or tank cluster	Four	From wall next to tank ends at soil/ground water interface	One

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ATTACHMENT 3

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS
California Regional Water Quality Control Board - San Francisco Bay Region

HYDROCARBON LEAK	SOIL ANALYSIS		WATER ANALYSIS	
Unknown Fuel	TPH G	GCFID (5030)	TPH G	GCFID (5030)
	TPH D	GCFID (3550)	TPH D	GCFID (3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
Leaded Gas	TPH G	GCFID (5030)	TPH G	GCFID (5030)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
	TOTAL LEAD	AA	TOTAL LEAD	AA
		---Optional---		
	TEL	DHS-LUFT	TEL	DHS-LUFT
	EDB	DHS-AB1803	EDB	DHS-AB1803
Unleaded Gas	TPH G +MTBE	GCFID (5030)	TPH G	GCFID (5030)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
Diesel	TPH D	GCFID (3550)	TPH D	GCFID (3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
Jet Fuel	TPH D	GCFID (3550)	TPH D	GCFID (3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
Kerosene	TPH D	GCFID (3550)	TPH D	GCFID (3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
Fuel Oil/Heating Oil	TPH D	GCFID (3550)	TPH D	GCFID (3510)
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
	BTX&E	8020 or 8240	BTX&E	602 or 624
	or CL HC and BTX&E 8260	or CL HC and BTX&E 8260		
Non Chlorinated Solvents	TPH D	GCFID (3550)	TPH D	GCFID (3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	or CL HC and BTX&E 8260	or CL HC and BTX&E 8260		
Waste Oil or Unknown	TPH G	GCFID (5030)	TPH G	GCFID (5030)
	TPH D	GCFID (3550)	TPH D	GCFID (3510)
(All analyses must be completed and submitted)	or TPH and BTX&E by 8260	CRYOGENIC FOCUSING		
	O & G	5520 D&F	O & G	5520 C&F
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260
	CL HC	8010 or 8240	CL HC	601 or 624
	ICAP or AA to Detect Metals: Cd, Cr, Pb, Zn, Ni			

Method 8270 for Soil or Water to Detect: PCB*, PCP*, PNA, and CREOSOTE
* If found, analyze for dibenzofurans (PCBs) or dioxins (PCPs).

Minimum practical quantitation/reporting limits for the above soil and water analyses are as follows:

TPH G	1.0 ppm	50.0 ppb
TPH D	10.0 ppm**	50.0 ppb
BTX&E	5.0 ppb	0.5 ppb
O & G	50.0 ppm	5.0 ppm

** Some Regional Boards use 1.0 ppm; use lowest achievable detection limit.

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EXPLANATION FOR MINIMUM VERIFICATION ANALYSES

1. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractable, respectively) are to be analyzed and characterized by GC FID with a fused capillary column. They are to be prepared by EPA method 5030 for volatile hydrocarbons, or extracted from soil by sonication using 3550 methodology, or extracted from water by liquid-liquid extraction using methodology 3510 for extractable hydrocarbons.

2. TETRAETHYL LEAD (TEL) may be analyzed as total lead. However, a confirming analysis must be completed using a soil sample at the same soil depth in another borehole, or for water, from an upgradient well that is not contaminated with hydrocarbons.

3. CHLORINATED HYDROCARBONS (CL HC) are analyzed by EPA method 8010 or 601, and requires second column confirmation, or by method 8240 or 624, and requires identification of the ten highest peaks not on the routine list.

4. BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed by EPA method 8020 or 602, and requires second column confirmation, or by method 8240 or 624.

5. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used.

6. To avoid false positive detection of benzene, benzene-free solvents are to be used. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

7. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

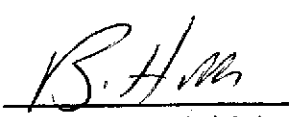
8. For all analyses on this Attachment, appropriate standards are to be used for the material stored in the tank. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

9. Other methodologies are continually being developed (such as cryogenic focusing), and as they are accepted by EPA and DHS, they may also be used pending Regional Board approval.

10. Practical quantification/reporting limits are highly matrix-dependent. Those listed are provided for guidance. When not achievable, sufficient justification should also be submitted.

	SOIL (PPM)	WATER (PPB)
TPH G	1.0	50.0
TPH D	10.0*	50.0
BTX&E	0.005	0.5
O & G	50.0	5000.0

* Some Regional Boards use 1 ppm; use the lowest achievable detection limit.



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ATTACHMENT 6

ADDITIONAL REQUIREMENTS

1. Call for an inspection a minimum of ***48 hours*** in advance. The more advance the notice given to the Fire Department, the more likely it will be that an inspection can be scheduled on the date and time of your choice. If an inspector must spend more than four (4) hours on site during normal working hours, a fee of $108.00 per hour in excess of four (4) hours will be assessed. The charge will be $148.00 per hour if an inspector's presence is necessary after 5:00 p.m., on holidays, or weekends. The need for more than one normal inspection is charged at the same hourly rates ($108 or $148).

2. If the project will potentially impact Public Works (streets, sidewalks, utility lines, etc.), the Public Works Department (293-5000) must be notified 48 hours in advance. In addition, any required Building Department or Public Works Department permits must be obtained.

3. A site-specific Health and Safety Plan should be on site on the day the tanks are to be removed, and available for inspection by the Hazardous Materials Investigator.

4. All tanks and connecting lines must be emptied of product.

5. Provide minimum rated 20 BC fire extinguisher at tank site.

6. Disconnect piping and all openings, except vent pipe.

7. Render tanks inert with 1.5 lbs. of solid carbon dioxide (dry ice) for each 100 gallons of tank volume. Allow one (1) hour for oxygen displacement. Combustible/flammable gas concentration must be 15% of LEL or less, prior to tank removal.

8. Prohibit welding, smoking and ignition source at tank site; post signs as required.

9. Remove pipelines and cap openings.

10. Equipment used to hoist tanks must be adequate to do the work. (If the equipment is strained or tanks are dragged, the job will be halted until adequate equipment is obtained.)

11. Load tank on highway carrier, positioning the pressure relief hole at the top of the tank.

12. Contractor must have the following current information on file at the Hazardous Materials Office:

    a. California State Contractor's License Number and Type. The contractor shall have one of the following licenses: General Engineering "A," Plumbing Contractor (C-36), Limited Specialty C-61/D40, or General Building "B."

    b. City of Hayward Business License Number.

    c. Certificate of Worker's Compensation Insurance.

    d. Hazardous Waste Removal Certificate.

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13. If during initial work, prior to the arrival of the Fire Department, contamination is discovered, contact the Fire Department immediately.

14. Tanks must be removed from the City of Hayward the same day they are substantially exposed. It is acceptable to break the asphalt or concrete cover in advance as long as the lines are kept intact and sealed.

15. Sampling should be consistent with California Regional Water Quality Control Board - San Francisco Bay Region Guidelines as described in Attachment 1 - "Removal of Underground Fuel Tanks", and Attachment 2 - "Sampling for Routine Tank Removals." An adequate cooler with ice or dry ice must be on site prior to sampling. Do not use blue ice for sample preservation.

16. Personnel will not be allowed to enter unshored excavations for any purpose, nor enter any contaminated excavation without adequate protective equipment (as determined by a licensed industrial hygienist). Personnel may be allowed to stand on top of the tank while they are in the excavation if they are secure (i.e., not floating, etc.) and if access is safe (i.e., ramp etc., not jumping).

17. A written report must be submitted within 30 days of the closure of the tank(s). This report must include the information listed below. Each topic must be addressed. If an item or subject is unknown or not applicable, say so, do not omit it.

    a. A brief description of the site and the scope of work performed, including at a minimum:

        - Number, size, age, and contents of tanks
        - Pipe configuration
        - Tank configuration
        - How tank(s) closed
        - How excavation or boring(s) were backfilled
        - How pipes closed
        - How sampling performed
        - Changes to original closure plan
        - Copies of other permits, i.e., well permits, building permits

    b. A site map, including at a minimum:

        - Dimensions of excavation or borings
        - Location of excavation or borings by measurements to buildings or other land marks
        - Locations of tanks and piping, with measurements
        - Locations of samples and identification of samples, including measurements and depth

    c. A description of geological conditions, including at a minimum:

        - Boring, logs if applicable

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- Type of soils encountered, (native and backfill)
- Depth to and location of groundwater, if encountered
- Limits of the backfill

d. Observations relating to the presence of contaminants, including at a minimum:

- Condition of the backfill or cuttings and disposition of the backfill or cuttings
- Staining of soil
- Free product
- Odors
- Results of visual inspection of each tank and pipe

e. Soil/groundwater sampling, including at a minimum:

- Chain of custody
- Lab results (including analysis methods - EPA method number), detection limits, copies of original signed lab data sheets
- Describe methods used to collect and handle samples

f. Copy of the State of California "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report," if contamination is detected.

g. Copy of the Uniform Hazardous Waste Manifest (UHWM) returned to Generator (from disposal TSDF), confirming wastes shipped and received or papers related to the proper disposal of materials and wastes.

18. Duration of Permit - The Permit for removal/closure is valid for six months. A Removal/Closure Plan is normally reviewed within three days of its receipt by the Hazardous Materials Office. A copy of the Permit Application form and a cash-register receipt for the plan checking fee will be given the applicant. Approval of the plan, or additional requirements, are directly communicated to the applicant by the reviewer. The removal/closure of the subject tank(s) should be accomplished within six months of the date stamped on the cash register receipt. If, after six months, work described on the application has not begun, the plan and all the appurtenant documents will be withdrawn from active file and returned to the applicant. The plan checking fee will not be refunded. Subsequent removal/closure plans submitted for the same tank(s) will be evaluated as new and distinct applications.

B-H/M

Applicant's Initials