STATE WATER RESOURCES CONTROL BOARD

COMPLETE THIS FORM F	OR EACH FACILITY/SITE 99 DEC 27 PH 1: 28
MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT	6 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED SITE 6 TEMPORARY SITE CLOSURE
1. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLE	:TED)
DBA OR FACILITY NAME VACANG LOT	NAME OF OPERATOR CITY OF EMPOYMENT NEAREST CROSS STREET PARCEL # (OPTIONAL)
ADDRESS 4650 SHELLMOUND ST.	STATE ZIP CODE SITE PHONE # WITH AREA CODE
ENERYVIUS	CA 94608 Nont
	OCAL-AGENCY COUNTY-AGENCY STATE-AGENCY FEDERAL-AGENCY
TYPE OF BUSINESS 1 GAS STATION 2 DISTRIBUTOR 3 FARM 4 PROCESSOR 5 OTHER	CAD 009 2.06 178
EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY) - optional
DAYS: NAME (LAST, FIRST) PHONE # WITH AREA CODE S10. \$96.4333	DAYS: NAME (LAST, FIRST) PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)
	PHONE # WITH AREA CODE
II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)	CARE OF ADDRESS INFORMATION
MAILING OF STREET ADDRESS	✓ box to Indicate INDIVIDUAL MALE LOCAL-AGENCY STATE-AGENCY
CITY NAME ST. 12 FLOOR	CORPORATION PARTNERSHIP COUNTY AGENCY FEDERAL AGENCY STATE ZIP CODE PHONE # WITH AREA CODE
ENERVICE	(510)596-4333
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)	
NAME OF GARRY LUCE REDEV. AGENCY	CARE OF ADDRESS INFORMATION
2200 POUNTY THE FLOOR	box to indicate Individual County-agency State-agency Corporation Partnership County-agency Federal-agency
CITY NAME	STATE ZIP CODE PHONE * WITH AREA CODE CA 94608 510.596-4333
EMBRYVILLE	<u></u>
IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUTY (TK) HQ 44-	MBEH • Can (916) 323-9555 in questions anse.
V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE CO	MPLETED) - IDENTIFY THE METHOD(S) USED
hav ta Indiasta	2 GUARANTEE 3 INSURANCE 4 SURETY BOND 6 EXEMPTION 99 OTHER
VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification	on and billing will be sent to the tank owner unless box I or II is checked.
CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NO	TIFICATIONS AND BILLING: I II
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, A	
APPLICATE STANKE (FARTED & SIGNATURE)	CANTS TITLE DATE MONTHUDAYYEAR
LOCAL AGENCY USE ONLY	roject Mensigar 112-14-21
COUNTY# JURISDICTION	# FACILITY #
LOCATION CODE · OPTIONAL CENSUS TRACT * · OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL
THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APP FORM A (5-91)	LICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.





STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARDVIE ON MENT AL UNDERGROUND STORAGE TANK PERMIT APPLICATION FORMUS



COMPLETE A SEPARATE FORM FOR EACH TANKS SEED 27 PM 4: 28

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED:
1. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I. D. # B. MANUFACTURED BY: UNKNOWN
C. DATE INSTALLED (MOJDAYNEAR) UNENDUM D. TANK CAPACITY IN GALLONS: 300 COMMON
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1a REGULAR UNLEADED 4 GASAHOL 7 METHANOL 2 PETROLEUM 80 EMPTY 1 PRODUCT 1b PREMIUM UNLEADED 5 JET FUEL 7 METHANOL 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :
III, TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK MATERIAL (Primary Tank) BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP 95 UNKNOWN 99 OTHER
C. INTERIOR
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC 91 NONE 95 UNKNOWN 99 OTHER
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A(U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER D. SONOTRUCTION A(U) 1 SUCTION A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
B. CONSTRUCTION A 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER C. MATERIAL AND CORROSION PROTECTION A U 6 CONCRETE A U 10 CATHODIC PROTECTION A U 8 100% METHANOL COMPATIBLE W/FRP OF LINE DETECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITAL MONITORING 99 OTHER UNKNOWN
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VAPOR MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 6 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION NA
1. ESTIMATED DATE LAST USED (MODAYAP) SUBSTANCE REMAINING VA GALLONS INERT MATERIAL? SUBSTANCE REMAINING VA GALLONS
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
APPLICANTS NAME (PRINTED & SIGNATURE) JUAN C. AWEGUIN TZ-14-45
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# county # JURISDICTION # FACILITY # TANK #
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE







2070 12/17/99

Erler & Kalinowski, Inc.

RO70 RO70 4650 Shellmound

Consulting Engineers and Scientists

1730 South Amphiett Boulevard, Suite 320 San Mateo, California 94402-2714 (650) 578-1172 Fax (650) 578-9131

FACSIMILE TRANSMISSION COVER SHEET

TO:

Susan Hugo

FROM:

John T. DeWitt, P.E.

FIRM:

Alameda Co. Health

PROJECT:

Emervville

DATE:

17 December 1999

PROJECT NO:

970003.25

TELECOPIER NUMBER OF ADDRESSEE:

510-337-9335

NUMBER OF PAGES TRANSMITTED, INCLUDING COVER SHEET: 4

[] Rep	ort
--------	-----

[X] As Requested

[] Letter

For Approval

[] Memorandum

[] For Review and Comment

[] Other, as described below

[] For Information and Coordination

DESCRIPTION:

Remedial Goals for the Shellmound Properties in Emeryville

REMARKS:

Susan, Here is the table you requested yesterday. The goal for diesel is not listed on the table, but is shown in the text as 1,000 mg/kg.

Please call if you have questions.

John DeWitt

12/17/99





SAMPLING AND ANALYSIS PLAN

Shellmound Properties Emeryville, California

1.0 INTRODUCTION

This Sampling and Analysis Plan ("SAP") has been prepared to standardize procedures that will be used by Erler & Kalinowski, Inc. ("EKI") on behalf of the City of Emeryville Redevelopment Agency ("Agency") to collect and analyze soil and groundwater samples during the Shellmound Properties Soil Remediation Project. EKI personnel sampling at the Site ("field representative") will implement this SAP. Soil samples will be collected from the limits of the excavations and from potential import fill sources proposed by the Agency's remedial contractor ("Contractor"). Other soil or debris sampling and analysis may be required to characterize materials encountered during the remediation for disposal purposes. Samples will be collected by EKI on behalf of the Agency to characterize groundwater extracted from excavations for classification for disposal and, if such a treatment system and discharge are utilized. If a groundwater treatment system is installed, additional groundwater treatment system sampling may also be conducted by the Contractor to measure influent concentrations, monitor effectiveness of treatment system unit processes, verify that EBMUD discharge requirements have been met, and determine when maintenance of the groundwater treatment system may be required.

Appendix D presents a detailed plan for air monitoring, sampling, and analysis during excavation activities; therefore, air sampling and analysis are not discussed in this Appendix.

All soil concentration values discussed in this sampling plan are reported on a "wet-weight basis."

2.0 SOIL SAMPLING

2.1 Soil Remedial Goals

For purposes of this SAP, confirmation sampling is defined to mean soil sampling conducted at the extent of the excavation to verify that soil remedial goals identified in the Remedial Action Plan are achieved. Confirmation soil sampling is anticipated to be conducted on excavation sidewalls and the bottoms of the excavations.

Risk-based soil remedial goals have been established for the chemicals of concern ("COCs") for unsaturated soil for this project, as shown in Table C-1. In addition, the remedial goal for total petroleum hydrocarbons, as diesel, in unsaturated zone soil is 1,000 mg/kg. The cumulative risk-based goals represent the "representative

RDIP Appendix C Shellmound Properties, Emeryville, California (EKI 970003.20)

June 1999

Table C-1 Risk-Based Soil Remedial Goals

Shellmound Properties Emeryville, California

	ŧ.	Remedial Goals ig/kg)
Chemical of Concern	Cumulative Risk-Based Soil Remedial Goals (1)	Upper-Bound Soil Remedial Goal (2)
Metals		
Antimony	110	320
Arsenic	60	140
Barium	360 (3)	705
Cadmium	10	200
Chromum, Total	4,500	4,500
Chromium VI	1.0	6.0
Copper	800	30,000
Lead	1,200 (4)	5,000 (4)
Mercury	10	70
Molybdenum	300	4,100
Nickel	1,000	3,200
Zinc	5,000	100,000
VOCs		•
Acetone	5.0	180
Benzene	0.0090	0.0090
n-Butylbenzene	2.0	60
sec-Butylbenzene	2.0	25
tert-Butylbenzene	2.0	19
Carbon disulfide	5.0	83
1,2-Dibromo-3-Chloropropane	0.0026	0.0026
Ethylbenzene	10.0	200
Isopropylbenzene	5.0	2,000
p-Isopropyltoluene	-	ч
n-Propylbenzene	2.0	21
1,1,2,2-Tetrachloroethane	0.025	0.042
Tetrachloroethene	0.030	0.070
Toluene	5.0	60
1,2,3-Trichlorobenzene	-	-
Trichloroethene	0.080	0.090
1,2,4-Trimethylbenzene	2.0	32
1,3,5-Trimethylbenzene	2.0	5 5
Xylenes, Total	10	3,200
SVOCs		•
Benzo (a) anthracene	75	230
Chrysene	70	2,300
Dibenzofuran	20	2,100
Fluoranthene	50	3,500

1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355 HAZARDOUS WASTE GENERATOR INSPECTION REPORT STID#3 FACILITY NAME: FORMER ELEMENTIS PIGMENTS SUPPLEMENTAL FORM INSPECTED BY: PRINT NAME: DATE: SIGNATURE:

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION

1999,12-13

#545 P.01/16

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY ENVIRONMENTAL HEALTH SERVICES 1131 HARBOR BAY PARKWAY, RM 250 ALAMEDA, CA 94502-6577 PHONE #

1131 Harbor Bay Parkway, Suits 250 da County Division of Mezardous ACCEPTED

510/567-6700 These closure/removal plans have been received and lound to be acceptable and essentially meet the requirements of dayy of the accepted piens must be on the job and evallehis to all contractors and crefismen innowed with tha State and local terms. The project proposed harath is new refeased for issuance of any roquied building parmits for must be submitted to this this Department and to the Fire ny changes or alterations of these plans and epecimations and Building Inspections Department to determine if such this Dapartment at loast 72 hours prior to the following Shates and Local Houlth Laws. Changes to your choruse of Indicated by this Department are to assure compa construction/dashuction.

Removal of Tenk(s) and Piping

dosure, is dependent on compliance with accepted plant issuance of a) permit to operate, by permanent mend all applicable laws and regulations. Final Inspection Sampling

THERE IS A FINANCIAL PENALTY FOR NOT CETAINING THESE INSPECTIONS:

Contact Specialisi

UNDERGROUND TANK CLOSURE according to attached Complete plan instructions

1.	Name of Business CTY OF FMERVILLE
	Business Owner or Contact Person (PRINT) JUAN ARREGUIN
2.	site Address 4650 SHELLMOVND STREET
	City EMERYVILLE Zip 94608 Phone Navie
3.	Mailing Address 2200 DOWELL STREET 12TH FLOOR
	City EMERYIUE Zip 94608 Phone 5/0 596-4333
4.	Property Owner CITY OF EMERYVILLE
	Business Name (if applicable) SAMR
	Address 2200 POWELL ST. 12TH FLOOR
	City, State EMERY VILLE, CA Zip 94608
5,	Generator name under which tank will be manifested CITY OF EMERYVIUE, REDEV. ACENCY
	EPA ID# under which tank will be manifested C A ROOOS 51565
	CAD 009206 178

rev. 11/01/96 ust closure plan

٠.		
6.	Contractor PERFORMANCE EXCAUATIORS, INC.	
	Address 103 SHORELINE PARKWAY STE 201	
•	City Sto RAFAEL Phone 415.257-4	40
	License Type A-HAZ ID# 667433	
7.	Consultant (if applicable) EKI	
	Address 1730 SO, AMPHLETT BLVD. SOTTE 320	
	City, State SAN MATEO, CA Phone (650) 518-1172	
8.	Main Contact Person for Investigation (if applicable) Name DEB HART OR STEVE TARANTITUDE PROTECT TO GIVE E Company EKT	R
	Phone 650-578-1172	
9.	Number of underground tanks being closed with this plan	
	Length of piping being removed under this plan	761
- 10-1	Total number of underground tanks at this facility (**confirmed with owner or operator)	ith
10.	State Registered Hazardous Waste Transporters/Facilities (see	
•	** Underground storage tanks must be handled as hazardous waste **	
	a) Product/Residual Sludge/Rinsate Transporter - EMPTY W	HEAD
	Name NA EPA I.D. No	酒馆
	Hauler License No License Exp. Date	
	Address	
	CityState Zip	
	Name FC T EPA ID# CAD 982030173	N FNCOUR
	Address 255 PARR BLVP.	
	city RICHMOND State (A Sin 94861	

12:00

· · ·	c) Tank and Piping Transporter
	Name <u>EC</u> EPA I.D. No. <u>CAO982630173</u>
٠,	Hauler License No License Exp. Date
	Address 255 PARR FLUD
	city Sichmon State Of Zip 94801
	d) Tank and Piping Disposal Site
	Name EPA I.D. No. CAD982030173
	Address 255 DARRBLVD.
	·City RICH MOND State A zip 94801
11.	Sample Collector
	Name
	Company EKI
,	Address 1730 So AMPHIETT BUYD. STE. 320
	City SAN MATERO State M Zip 94407 Phone 650-578-1172
12.	Laboratory
.!	Name
•	Address 1220 QUARRY LANZ
	City PLEASANTON State CA Zip 94566-4756
	State Certification No. DoH5 1094
13.	Have tanks or pipes leaked in the past? Yes[] No[] Unknown[1]
	If yes, describe.
14.	Describe methods to be used for rendering tank(s) inert:
	INSEET DON TOR VENTUATE BY FREENCO COZ.
	CAP W/ 14" OPENING.

removed.

flushed back into the tank(s).

Before tanks are pumped out and inerted, all associated piping must be All accessible piping must then be

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.

Inaccessible piping must be permanently plugged using grout.

Tank History and Sampling Information *** (see instructions) *** 15.

510 337 9335

Tank Use Hist include date used (estimat	last	Location and Depth of Samples
300 GARON UNKNOWN HYDROCAG LAGT USED ST	250N)	BENEATH TANK

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil

Stockpiled Soil Volume (estimated)

Nonz

Sampling Plan
SURPOUNDING SOILS WERE OFFICIAL
ASPART OF MUCH LARGER REMEDIAL
CLEANUP - UST ENCOUNTERED
SUBSEQUENT TO SOIL REMOVAL
(WOST OF THE SOIL REMOVAL)

1999,12-13

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [] yes [] no [] unknown

If yes, explain reasoning <u>ExCAVATION WILL BE BACKFUED WITH COM</u>
Sou AFTER DISC CLEANUP AGREEMENT CRITERIA ARE MET.

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without <u>prior</u> approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

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12:01

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant EPA or Other Sought Sample Preparation Method Number		EPA or Other Analysis Method Number	Method Detection Limit
Unknown	TPH B TPH D BTEX & MTBE O & G CLHC TUFT 5 MITTALS 8270 FOR PCB, PCP, PNA, CHARS	GCFID (3550) 8260 8260 5520 D4F 8010 on 8240 ICAP on AA 8270	

18.	Submit	Worker's	Compensation	Certificate	сору

ATTACHTED

Name of Insurer

19. Submit Plot Plan *** (See Instructions) *** ATTACKT

20. Enclose Deposit (See Instructions)

NA - CITY for UNDER LOCAL OVERSIGHT PG

- 21. Report all leaks or contamination to this office within 5 days of discovery.

 The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner) LOCATE @ Str

rev. 11/01/96 ust closure plan I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

510 337 9335

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business	ETEFORMANCE EXONOTORS HAC.
Name of Individual	GUEB PAINTEY
Signature	Date 12/13/99
PROPERTY OWNER OR MOST REC	CENT TANK OPERATOR (Circle one)
Name of Business	City OF EMERYVIUE
Name of Individual\	JUAN ARREBUIN
Signature Resident	Date

12:01

INSTRUCTIONS

510 337 9335

General Instructions

- * Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- * State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS

Address at which closure is taking place.

- EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.
 - 6. CONTRACTOR

Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

- a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
- c) Tanks must be hauled as hazardous waste.
- d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION

Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

12:01

1999,12-13

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
 - c) Identification of health and safety hazards of each work task potential fire, explosion, physical, and chemical hazards;
 - d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
 - e) Description of the work habit changes triggered by the above action levels or physical conditions;
 - f) Frequency and types of air and personnel monitoring along with the environmental sampling techniques and instrumentation to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
 - g) Confined space entry procedures (if applicable);
 - h) Decontamination procedures;
 - i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
 - j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
 - k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
 - 1) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

rev. 11/01/96 ust closuro plan .

#545 P.10/16

NOTE: These requirements are <u>excerpts</u> from 29 CFR Part 1910.320(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the <u>complete</u> requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tank(s) and piping in addition to the tank(s) being removed.

FROM : ALAMEDA CO EHS HAZ-OPS

20. DEPOSIT

A deposit, payable to "Treasurer of Alameda County" for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;
- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant _ pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- e) Description of any remedial measures conducted at the time of tank removal:
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

FROM : ALAMEDA CO EHS HAZ-OPS

10 August 1990

TABLE #2 RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

	UNDERG	ROUND TANK LEAKS	,	'
HYDROCARBON LEAK	SOIL ANA	LYS15	WATER AN	ALYSIS
Unknown Fuel	TPH G	GCFID (5030) GCFID (3550)	трн с	GCFID (5030)
`	BTX&E	8020 or 8240 BTX&E 8260	TPH D BTX&E	GCFID(3510) 602, 624 or
Leaded Gas				8260
	TOTAL LE	GCFID(5030) 8020 OR 8240 STX&E 8260 AD AA :ional	TPH G BTX&E TOTAL LE	GCFID(5030) 602 or 624 AD AA
	TEL EDB	DHS-LUFT DHS-AB1803	TEL EDB	DHS-LUFT DHS-AB1803
Unleaded Gas	TPH G BTX&E	GCFID(5030) 8020 or 8240	TPH G	GCFID (5030)
	TOH AND E	TX&E 8260	BIXEE	602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH AND B	TX&E 8260	BIXEE	GCFID (3510) 602, 624 or
Fuel/Heating Oil 10300 . ms.	TPH D	GCFID (3550)	TPH DOM	GCFID (3510
	BTX&E TPH AND B	80207 At "8240" "	BTX&E	602, 624 or 8260
Chlorinated Solvents	CL HC BTX&E CL HC AND	8010 or 8240 8020 or 8240 BTX&E 8260	CL HC BTX&E CL HC AND	601 or 624 602 or 624 - BTX&E 8260
Non-chlorinated Solvents	TPH D BTX&E TPH AND B	GCFID(3550) . 8020 or 8240 FX&E 8260	TPH D BIX&E TPH and B	GCFID (3510)
Waste and Used Oil Or Unknown	TPH G	GCFID(5030) GCFID(3550)		GCFID (5030)
(All analyses must be completed and submitted)	O & G	TX&E 8260 5520 D & F	0 & G	0-1-20 (3340
	BIXEE	8020 or 8240	BTX&E	602, 624 or
·			CL HC	8260 601 or 624
	ICAP or AP METHOD 827 PCB* PCP*	TO DETECT METALS O FOR SOIL OR WATE	: Cd, Cr, Pb, ER TO DETECT: PCB PCP	Zn, Ni
	pna Creosote		PCP PNA CREOSOTE	
TE farms			CABOSUTE	

^{*} If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites,

FROM : ALAMEDA CO EHS HAZ-OPS

10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

510 337 9335

- 1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
- 2. 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.
- 3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
- 4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
- 5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. 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.
- 6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
- 7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
- 8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
- 9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

24	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

1999,12-13

Tri-Regional Board Staff Recommendations Preliminary UST Site Investigations

10 August 1990

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

≤ 10 ppm (42%) ≤ 10 ppm (10%)	:OT
≤ 5 ppm (19%) ≤ 5 ppm (21%) ≤ 1 ppm (35%) ≤ 1 ppm (60%)	,

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets:

- 10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis,
- and analyzed.

 11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chroma- togram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

STATE WATER RESOURCES CONTROL BOARD UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

510 337 9335



COMPLETE INSPONM FOR EACH PROBLEMS							
MARK ONLY : NEW PERMIT 3 RENEWAL PERMIT ONE ITEM 2 INTERM PERMIT 4 AMENDED PERMIT	5 CHANGE OF INFORMATION - TEMPORARY SITE CLOSURE	ಇಚಿತ ತನ್ನ					
I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPL							
DBA OR FACRITY NAME	NAME OF OPERATOR						
		<u> </u>					
ADORESS	NEAREST CROSS STREET PARCEL • (OPTIONAL)						
CITY NAME	STATE ZP CODE SITE PHONE & WITH AR	EA CODE					
BOX CORPORATION MOINDUAL PARTNERSHIP LOCAL-AGENCY COUNTY-AGENCY STATE-AGENCY FEDERAL-AGENCY OISTRICTS * Element of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST							
TYPE OF BUSINESS 1 GAS STATION 2 DISTRIBUTOR 5 OTHER	FINDIAN OF TANKS AT SITE E.P. A. I.D. # (options OR TRUSTLANDS	"					
EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY) - opt	ional					
DAYS; NAME (LAST, FIRST) PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST) PHONE # WITH A	EA CODE					
NIGHTS: NAME (LAST, FIRST) PHONE ■ WITH AREA CODE	NIGHTS: NAME (LAST, FIRST) PHONE # WITH A	EA CODE					
II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)							
NAME	CARE OF ADDRESS INFORMATION						
MAILING OR STREET ADDRESS	box to Indicate	STATE-AGENCY					
CITY NAME	COUNTY-AGENCY COUNTY-AGENCY COUNTY-AGENCY PHONE # WITH AREA CO	FEDERAL-AGENCY DDE					
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)							
NAME OF OWNER	CARE OF ADDRESS INFORMATION						
MAILING OR STREET ADDRESS		STATE-AGENCY FEDERAL-AGENCY					
CITY NAME	STATE ZIP CODE PHONE # WITH AREA CO						
IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM	IBER - Call (916) 322-9669 if questions arise						
TY (TK) HQ 44							
V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE CO	MPLETED) - IDENTIFY THE METHOD(S) USED	:					
✓ bos to indicate	RETY BOND 5 LETTER OF CREDIT 5 EXEMPTION 7 STATE ATTRICATE OF DEPOSIT 10 LOCAL GOVT, MECHANISM 99 OTHER	FUND					
	n and billing will be sent to the tank owner unless box I or II is che	cked.					
CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTI	PICATIONS AND BILLING; 1	₩ □					
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT							
TANK OWNER'S NAME (PRINTED & SIGNATURE) TANK O	WNER'S TITLE DATE MONTH/DAY/YE/	IÁ.					
LOCAL AGENCY USE ONLY		<u> </u>					
COUNTY # JURISDICTION #	FACILITY #	1					
	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
LOCATION CODE - OPTIONAL CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL	<u> </u>					

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM A (6-95)

STATE OF CALFORMA STATE WATER RESOURCES CONTROL BOARD UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

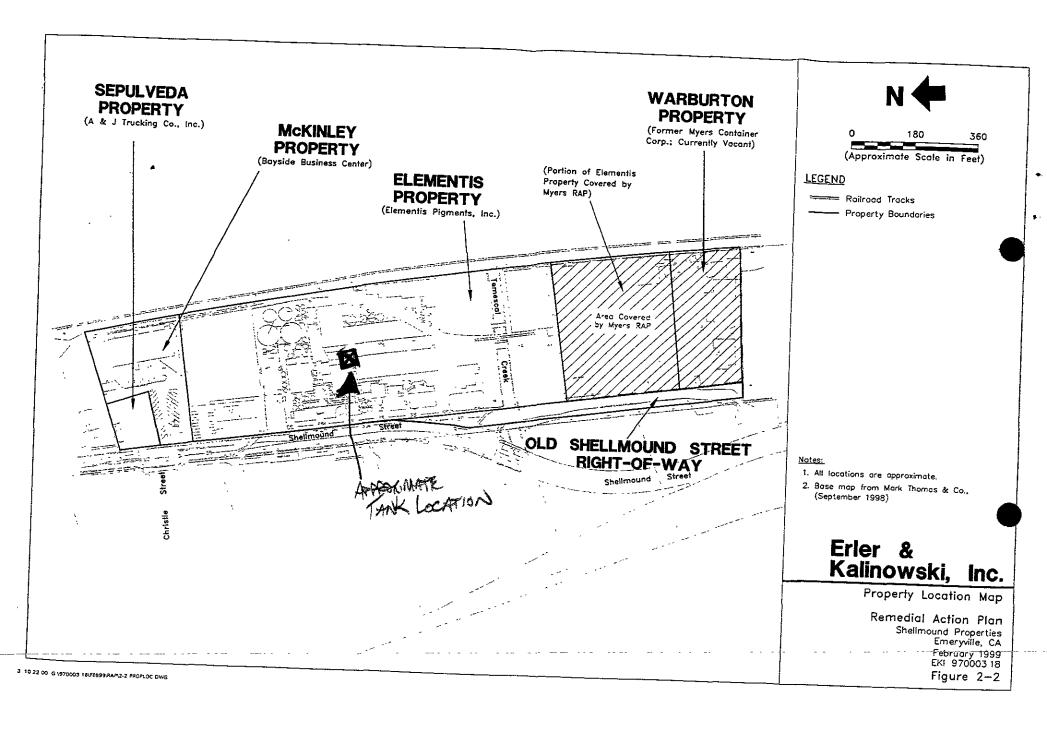


COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

	CONT. C. L. S.	M
MARK ONLY 1 NEW PERMIT ONE ITEM 2 INTERN PERMIT	3 RENEWAL PERMIT E CHANGE OF NET	
DBA OR FACILITY NAME WHERE TANK IS INSTALL	ED:	
I. TANK DESCRIPTION COMPLETE ALL TE	AS - SPECIFY IF UNKNOWN	
A. OWNER'S TANK L.D. #	\$ MANUFACTURED BY:	
C. DATE INSTALLED (MOVDAY/YEAR)	D. TANK CAPACITY IN GA	wos:
II. TANK CONTENTS IF A-1 IS MARKED, CO	MPLETE ITEM C.	
2 PETROLEUM 80	EMPTY 1 PRODUCT 15 PREM	CLAR UNLEADED 3 DIESEL 6 AVIATION GAS RUM UNLEADED 1 4 GASANOL 7 METHANOL RADE UNLEADED 5 JET FUEL 8 MAS
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTA	NCE STORED	DED 99 OTHER (DESCRIBE IN ITEM D. BELOW) C. A. S. N:
III. TANK CONSTRUCTION MARK ONE ITE	A ONLY IN BOXES A. B. AND C. AND ALL THAT APPLIES IN BOX (
A. TYPE OF 1 DOUBLE WALL SYSTEM 2 SINGLE WALL [3 SINGLE WALL WITH EXTERIOR LINER 4 SINGLE WALL IN A VAULT	5 INTERNAL BLADOER SYSTEM 95 UNKNOWN 99 OTHER
B. TANK 1 BARE STEEL MATERIAL 5 CONCAÉTE (Primary Tank) 9 BRONZE	2 STAINLESS STEEL 3 FIBERGLASS [6 POLYVINYL CHLORIDE 7 ALUMINUM] 10 GALVANIZED STEEL 95 UNKNOWN [4 STEEL CLAD W/FIRERGLASS REINFORCED PLASTIC 8 100% METHANOL COMPATIBLE W/FRP 99 OTHER
C. INTERIOR 1 RUBBER LINED [LINING OR 5 GLASS LINING [COATING IS LINING MATERIAL COMPATIBLE	2 ALKYD LINING 3 EPOXY LINING 8 UNLINED 35 UNKNOWN WITH 100% MEYHANOL 7 YES NO	4 PHENOLIC LINING 99 OTHER
D. EXTERIOR 1 POLYETHYLENE WRAP CORROSION 5 CATMODIC PROTECTION SPILL CONTAINMENT INS	2 COATING 3 VINYL WRAP 91 NONE 95 UNKNOWN TALLED WEAR!	4 FIBERGLASS REINFORCED PLASTIC 99 OTHER UIPMENT INSTAULED (YEAR)
E. SPILL AND OVERHILL, etc. DROP TUBE YES	NO STRIKER PLATE YES NO	DISPENSER CONTAINMENT YES NO NO
	BOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABL	E
A. SYSTEM TYPE A U 1 SUCTION	A U 2 PRESSURE A U 3 GRAVITY	A U 4 FLEXIBLE PIPING A U 29 OTHER
B. CONSTRUCTION A U 1 SINGLE WALL C. MATERIAL AND A U 1 BARE STEEL CORROSION A U 5 ALUMINUM PROTECTION A U 8 GALVANIZED STEEL	A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORI A U 6 CONCRETE A U 7 STEEL W/ COATING A U 10 CATHODIC PROTECTION A U BS UNKNOWN	A U 95 UNKNOWN A U 99 OTHER IDE (PVC)A U 4 FIBERGLASS PIPE A U 8 100% METHANOL COMPATIBLE WIFRP N A U 99 OTHER
D. LEAK DETECTION 1 NECHANICAL LINE LEAK DETECTOR	2 LINE TIGHTNESS 3 CONTINUOUS INTERSTITIAL 4 ELECTRONIC UN TESTING 4 ELECTRONIC UN LEAK DETECTOR	NE 5 AUTOMATIC PUMP 99 OTHER
V. TANK LEAK DETECTION		
7 CONTINUOUS INTERSTITIAL 8 SIR	L INVENTORY 3 VADOZE 4 AUTOMATIC CILIATION 9 WEEKLY MANUAL 10 MONTHLY TANK GAUGING 10 MONTHLY TESTING	MONITORING TESTING
VI. TANK CLOSURE INFORMATION (PERMAN	ENT CLOSURE IN-PLACE)	
1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3, WAS TANK FILLED WITH YES NO NO NO
TANK OWNER'S NAME (PRINTED & EXPLATURE)	R PENALTY OF PERJURY, AND TO THE BEST OF	MY KNOWLEDGE, IS TRUE AND CORRECT DATE
LOCAL AGENCY USE ONLY THE STATE IN	D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELO	w
STATE I.D.#	TY # JURISDICTION # FACILITY #	TANK #
PERMIT NUMBER	PERMIT APPROVED BY/DATE PE	HMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN, FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM 8 (6-95)



Client#: 7264 ACORD. CERTIFICATE OF LIABILITY INSU DATE (MM/DD/YY) 10/15/99 PRODUCER THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE USI Northern California/HOS HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR 2199 S. McDowell Blvd. ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. P.O. Box 4409 **INSURERS AFFORDING COVERAGE** Petaluma, CA 94955-4409 INSURED INSURER A: American International Co.-AIG Performance Excavators, Inc. INSURER B California Compensation 150 Shoreline Parkway INSURER C: Commerce & Industry (AIG) San Rafael, CA 94901 INSURER D INSURER E: **COVERAGES** THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. POLICY EFFECTIVE DATE (MM/DD/YY) POLICY EXPIRATION DATE (MM/DD/YY) TYPE OF INSURANCE **POLICY NUMBER** PR2674247 03/07/99 03/07/00 **EACH OCCURRENCE** \$5,000,000 Α **GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY \$50,000 FIRE DAMAGE (Any one fire) CLAIMS MADE X OCCUR \$5,000 MED EXP (Any one person) X PD Ded:5,000 \$5,000,000 PERSONAL & ADV INJURY \$5,000,000 X OCP GENERAL AGGREGATE GEN'L AGGREGATE LIMIT APPLIES PER: PRODUCTS - COMP/OP AGG | \$5,000,000 POLICY 03/07/99 03/07/00 CA7665979 C **AUTOMOBILE LIABILITY** COMBINED SINGLE LIMIT \$5,000,000 (Ea accident) Х ANY AUTO ALL OWNED AUTOS BODILY INJURY (Per person) SCHEDULED AUTOS Х HIRED AUTOS BODILY INJURY (Per accident) X NON-OWNED AUTOS PROPERTY DAMAGE (Per accident) **GARAGE LIABILITY** AUTO ONLY - EA ACCIDENT | \$ ANY AUTO EA ACC \$ OTHER THAN AUTO ONLY AGG | \$ **EXCESS LIABILITY** EACH OCCURRENCE \$ \$ **CLAIMS MADE** AGGREGATE OCCUR \$ DEDUCTIBLE \$ l s RETENTION 08/01/99 08/01/00 WC STATU-TORY LIMITS WCN77150A WORKERS COMPENSATION AND EMPLOYERS' LIABILITY E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000 OTHER DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS Cancellation: Except for ten day notice for non-payment of premium. 04482; CERTIFICATE HOLDER ADDITIONAL INSURED; INSURER LETTER: CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION Evidence Of Insurance DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR

REPRESENTATIVE

AUTHORIZED REPRESENTATIVE

ACORD 25-S (7/97) 1 of 2

#S20735/M18769

TBB @ ACORD CORPORATION 1988

California Environmental Protection Agency Department of Toxic Substances Control



UPDATEDWork Notification August 1999 Ellmound Properties Si

Shellmound Properties Site Emeryville California

This is an updated Work Notification that was sent out in July 1999. The California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) has prepared this work notification to advise people living and working near the Shellmound Properties Site (Site) of field work to begin in July 1999. The Site is located on Shellmound Street (4650, 5500, 5600), east of I-80 and west of the Union Pacific Railroad tracks. Under the oversight of DTSC, the Emeryville Redevelopment Agency will begin the Site cleanup activities described in the Final Remedial Action Plan which was approved on May 12, 1999.

UPCOMING CONSTRUCTION ACTIVITIES AT THE SHELLMOUND PROPERTIES SITE:

Excavation and soil removal work is planned to start the first week in August, and is expected to take about ten weeks to complete. About 24,000 cubic yards of soil will be removed. Excavation will continue until confirmation soil samples show that soil containing chemicals above the Site's cleanup goals have been removed from the Site. Following excavation, the Site will be backfilled with clean soil and graded for development. This will take about four weeks.

The following activities will take place during the hours of 7:00 pm - 11:00 am to avoid major commute times:

- 1. Up to eighty 20-ton trucks will depart the Site daily via Shellmound, Christie Avenue and Powell Streets, driving about two blocks to Powell Street, then Powell Street to I-80.
- 2. Workers will be suited in appropriate work gear. Personal and area air monitoring will be conducted to ensure the adequacy of the dust control measures implemented during the excavation. **Dust control measures**, including wetting of soil, will be implemented during excavation at the Site.
- 3. Odors may occur during the excavation of some areas due to the presence of sulfur compounds. Odors which can be detected by the human nose are at concentrations well below harmful levels. **Odor control measures will be used** by adding an odor suppressant to augment dust control water spray.

AT A GLANCE

- Excavation and soil removal is planned for approximately 10 weeks beginning in August. Work will occur Sunday Thursday, starting at approximately 7:00 pm and ending at approximately 11:00 am.
- Eighty 20-ton trucks will enter and leave the Site daily along Shellmound, Christie Avenue and Powell Street to I-80.
- Dust will be controlled by spraying excavation areas and soil in trucks.
- Air will be monitored for arsenic, dust and odorous compounds.

FOR MORE INFORMATION

If you have questions or want more information please contact either Ted Park, DTSC Project Manager at (510)540-3805 or Rachelle Maricq, Public Participation Coordinator at (510)540-3910

Site related documents are available at the information repositories listed. The full administrative record is also available at the DTSC Berkeley office file room. Please call for an appointment.

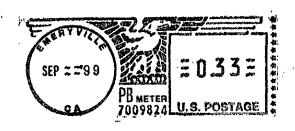
Ron Gerber
City of Emeryville
2200 Powell Street, 12th Floor
Emeryville, CA 94608
(510) 596-4357
Monday - Friday
9:00 a.m. to 5:00 p.m.

45th Street Artists' Cooperative 1420 45th Street Emeryville, CA 94608 (510)655-2880 Monday - Friday 8:30 a.m. - 4:40 p.m. DTSC
California Environmental Protection
Agency
Department of Toxic Substances
Control
700 Heinz Avenue
Berkeley, CA 94710-2737
(510) 540-3800

TOLL FREE HOTLINE 1-877-251-7220



California Environmental Protection Agency Department of Toxic Substances Control 700 Heinz Avenue, Suite 200 Berkeley, CA 94710-2721 Attn: Rachelle Maricq





Susan Hugo
Alameda County Dept. of
Bnvironmental Health
1131 Harbor Bay Parkway, 2nd Fir.
Alameda, Ca 94502



EVANS BROTHERS INC.

(EBi)

7589 NATIONAL DRIVE LIVERMORE, CALIF. 94550-8803 CONT. LIC. 443018 PROTECTION

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Underground Storage Tenk Cloeure Permit Application
Alameda County Division of Hazardous Katchais
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

ACCEPTED

ALAMEDA C		UE GERVIGEG		
ENV 1131	ALAMEDA, CA 94 PHONE # 510/5	TH SERVICES KWAY, RM 250 502-6577	THWKS SANPLES PIPING	
These decureframoral plans have been received and found to be acceptable and resembly meet the requirements of State and Local Health cave. Changes to your drough page tardeared by this Decorrent are to escure compliance with State and Local laws. The project proposed beautiful now released for issuance of any required building permits for construction drough plans must be on the job and available to a construction and cretisman involved with the	Any changes or elemptions of these plans and specifications provided by subministrations of the Present and to the Fire and Building or most one ties the present to determine it such provided by a more as of Subsections for the following the configurations of the following the configurations: Removal of Tank(s) and Piping Sampling Sampling Sampling Final Inspection	s of a). is denoted applicable to the RE NOT OUT OUT A Species and the RE NOT OUT OUT A Species and the RE NOT OUT OUT OUT OUT OUT OUT OUT OUT OUT O	LEASE NOTE: PIPINGS ASSOCIATED WITH THE WAST BE REMOVED SOIL STANST BE COLLECTED ALDING PRENCHES	nges node on pages nges made on pages uson & fuzo

UNDERGROUND TANK CLOSURE PLAN

* Complete plan according to attached instructions * * *

1.	Name of BusinessCity of Emeryville Redevelopment Agency
	Business Owner or Contact Person (PRINT) Ron Gerber
2.	Site Address 4650 Shellmound
	City <u>Emeryville</u> Zip <u>94608</u> Phone (510) 653-1069
3.	Mailing Address 2200 Powell Street - 12th Floor
	City <u>Emeryville</u> Zip <u>94608</u> Phone (510) 596-4357
4.	Property OwnerCity of Emeryville Redevelopment Agency
	Business Name (if applicable) N/A
	Address 2200 Powell St 12th Floor
	City, StateEmeryville, CAZip94608
5.	Generator name under which tank will be manifested
	City of Emeryville Redevelopment Agency
	EPA ID# under which tank will be manifested C A D 0 0 9 2 0 6 11 7 8

rev. 11/01/96 ust closure plan

6.	Contrac	tor	Eva Broth	ers Inc.	.4.			_)
	Address		7589 Nation	al Drive				
	City		Livermore			Phone	(925)	443-0225
	License	Type A,	B, C21, Haz	, Asb	ID:	443018		
7.	Consult	ant (if a	pplicable)	Erler &	Kalinawski	, Inc.		
	Address	1730	So. Amplett	Blvd Sui	te 320			
	City, S	tate San	Mateo, CA			Phone <u>(650)</u>	578-117	72
8.	Main Co	ntact Per	son for In	vestigati	on (if app	plicable)		1
	Name	Deborah Ha	rt		Titl	e <u>P.E.</u>		
	Company	Erler	Kalinowski	, Inc.				
	Phone _	Office:	(650)578-11	72 On S	ite: (510)	653-1069		
9.	Number	of underg	round tank	s being c	losed with	h this plan	2	
	Length	of piping	being rem	oved unde	r this pla	an0		
	Total i	number of	-undergrou	ind tanks	at this	facility (**confi	rmed with
10.		Registere ctions).	d Hazardo	us Waste	Transpor	ters/Facil	ities	(see
	** Unde	erground s	torage tar	iks must b	e handled	as hazardo	us was	:
	a) Proc	iuct/Resid	iual Sludge	e/Rinsate	Transport	er		
	Name	Clearwa	ter Environ	nental	EPA	I.D. No	CAR0000	07013
	Hau]	ler Licens	se No. 35	15	Licen	se Exp. Dat	e <u>12/3</u>	1/99
	Addi	ress	2.0. Box 7420)				
	City	Y Fremon			State	CA Zip_	94537-74	20
	b) Prod	duct/Resi	dual Sludge	e/Rinsate	Disposal	Site		,
	Name	e Alviso)		EPA ID	# <u>CAL00016</u>	1743	
	Add	ress <u>500</u>	2 Archer St	eet				-
	Cit.	y Alv:	Lso		State	CA Zip	95002	

rev. 11/01/96 ust closure plan

Name Ecology Control Industries EPA I.D. No. CA0982030173 Hauler License No. 1533 License Exp. Date 3/31/99 Address 255 Parr Blvd.	
	·
Address 255 Parr Blvd.	
City Richmond State CA Zip 94801	
d) Tank and Piping Disposal Site	
Name Erickson, Inc. EPA I.D. No. CAD009466392	
Address 255 Parr Blvd.	
City Richmond State CA Zip 94801	
11. Sample Collector	
DEBORAH HART	
Company Erler & Kalinowski	
Address 1730 So. Amplett Blvd Suite 320	
	_1172
City San Mareo State CA Zip 94402 Phone (650) 578	-11/2
12. Laboratory Name Sequoia Analytical	
	<u> </u>
Address 680 Chesapeake Drive	
City <u>Redwood City</u> State <u>CA</u> Zip <u>94063</u>	
State Certification No. 1210	
13. Have tanks or pipes leaked in the past? Yes[] No[] Unknown [X]	
If yes, describe.	
14. Describe methods to be used for rendering tank(s) inert:	
Dry_ice_method	

Before tanks are purped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.

15. Tank History and Sampling Information *** (see instructions) ***

Capacity	Tank	Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
1,000 gal.	Installation date Unknown Product-Regular Unleaded gasoline Last used: 12/21/98 (estimated) Installation unknown Product - Diesel Last used: 12/31/98	Soil, groundwater (if any) Soil, groundwater (if any)	BENEATH TANK MAXIMUM 2 FT RELOW THE NATIVE SOL/BACKFILL INTERFACE, SIDE WALL AT THE HIGH WATER MARK GROUNDWATER, IF ANY BENEATH TANK MAXIMUM 2 FT BELOW THE NATIVE SOLY BACKFILL INTERFACE, SIDE WALL AT THE HIGH WATER MARK, GROUNDWATER, IF ANY

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil Stockpiled Soil Volume Sampling Plan (estimated) 500 Tons Stockpile on visqueen in a bermed area. Cover with visqueen. Soil will be sampled by Erler & Kalinowski, Inc. Stockfiled Soil must be Property.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [] yes [X] no [] unknown

If yes, explain reasoning ____

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.

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16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

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17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
Dieser TPHd BTEX TPH gasoline TPH motor oil MTBE HC VOCS	3550	8015m 8020	SOIL I mg/kg
Metals Cd, Cr, Pb, Z	n Ni		

18. Submit Worker's Compensation Certificate copy

				1	
Name of	Insurer _	State Fund	Insurance		

- 19. Submit Plot Plan ***(See Instructions) ***
- 20. Enclose Deposit (See Instructions)
- 21. Report all leaks or contamination to this office within 5 days of discovery.

 The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

rev. 11/01/96 ust closure plan

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I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

ACTOR INFORMATION

Name of Business	EVANS BROTHERS INC.					
Name of Individual	John CAWFERD					
Signature	Date <u>224</u> E699					
PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)						
Name of Business	City of Emeryville					
Name of Individual	Juan C Arrefuir					
Signature	Faran. Date (2.26-79					

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white -env.health y ellow -facility pink -files

RLAMEDA COUNTY, DEPARTMENT OF ENUIRONMENTAL HEALTH

1131 Harbor Bay Pkwy Alameda CA 94502 510/567-6700

Hazardous Materials Inspection Form

11, 111

Site ID #6639 Site Name Former Elementis Pignoday's Date 3/	31,99
Site Address 4650 Shellmound	
city Emeryville zip 94608 Phone	
MAX AMT stored > 500 lbs, 55 gal., 200 cft.?	
Inspection Categories:I. Haz. Mat/Waste GENERATOR/TRANSPORTER	
IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials III. Under ground Storage Tanks IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Materials IV. Hazar dous Materials Business Plan, Acutely Hazar dous Plan Business Pl	1268 for 118TE
* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)	7 23.3
Comments: On site for removal of 2USTs - 1,000	gal gasoline
E 10.000 gul diesel.	
Tank 1 1000 gal LEL = 8% O2 = 10% Tank 2 10,000 gal LEL = 140 O0 = 9%.	(45/65 dry 10
10nh 0 10,000 an Let = 190 00 = 91.	(150 lbs dry
Both tonks appeared to be in good shape.	No straines
holes. Tanks fairly new; steel double wall tomb	2007003
Four sail samples affected from each	
Thousand . Trot water sumple collected from the	jui.
DTSC is the lead agency overseing the clear-cip.	Jorka hauled
by ECI to Richard facility (Chickson).	
den dyer (asst. Fire Chief Emergeille) approved	P ACDEH
To oversee the merting of tacks in the alarnee of De	orx warren
(Fire Murchall)	0.
	į
Contact	П, Ш
Title Inspector	formation of the second of the
Signature Signature Signature	T-Hay









	ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY ENVIRONMENTAL HEALTH SERVICES®	
	1131 HARBOR BAY PARKWAY, RM 250	
	ALAMEDA, CA 94502-6577 3 PHONE # 510/567-6700	
	Inderground Storago Tank Cloaure Permit Application Alsmeda County Division of Hazardous Baterias 1131 Harbor Bay Pankway, Suite 230 Alameda. County Division of Hazardous Baterias 1131 Harbor Bay Pankway, Suite 230 These closure/remenal plans have been received and fount to be acceptable and essentially meet the requirements of State and Local Herith Lavs. Changes to year chause permit indicated by his Decerthent are to acceptable and essentially meet the required building permits for charged by his Decerthent are to acceptable and essentially meet the control of the removal. One cropy of the acceptable forms and specification must be submired to the tree England available to an enverture of the England and Building Instruction to the submired to the tree Englands in the Final and Building Instruction to Englands of State and Coal fause. Any charges meet the requirements of State and book full the name and Building Instructions. Prince of a) permit to operate, b) permanent set closure and all applicable laws and regulations. THERE IS A FINANCIAL PENALTY FOR NOT OSTAINING THESE INSPECTIONS: Contact Specialist: PLEASE NOTE THE CONTACT BE CONTA	Juan 7: Hay
	UNDERGROUND TANK CLOSURE PLAN) ·
	* * * Complete plan according to attached instructions * *	* Xoi
	and the state of t	A. My My.
٦.	Value of Burd and a second of the second of	41.66
1.	Name of Business <u>City of Emeryville Redevelopment Agency</u>	- V
	Business Owner or Contact Person (PRINT) Ron Gerber	
2.	Site Address 4650 Shellmound	~
	City <u>Emeryville</u> Zip <u>94608</u> Phone (510) 653	-1069
3.	Mailing Address 2200 Powell Street - 12th Floor	-
	City <u>Emeryville</u> Zip <u>94608</u> Phone <u>(510) 5</u>	96-4357
4.	Property OwnerCity of Emeryville Redevelopment Agency	<u>'</u>
	Business Name (if applicable)N/A	

5. Generator name under which tank will be manifested

Address 2200 Powell St. - 12th Floor

City, State ____Emeryville. CA

<u>City of Emeryville Redevelopment Agency</u>

EPA ID# under which tank will be manifested C A D 0 0 9 2 0 6 1 7 8

_ Zip ____

94608

6.	Contractor _	Evans Brothers Inc.	4.,	<u> </u>
	Address	7589 National Drive		
	City	Livermore	· · · · · · · · · · · · · · · · · · ·	Phone (925) 443~0225
	License Type	A, B, C21, Haz, Asb	ID#	443018 OCP 7/31/99
7.		if applicable)Erler		
	Address1	730 So. Amplett Blvd St	iite 320	
	City, State	San Mateo, CA	Pho	one (650) 578-1172
8.	Main Contact	Person for Investigat	ion (if appli	cable)
	Name Debora	h Hart	Title _	P.E.
	Company Er	ler & Kalinowski, Inc.		
	Phone Offi	ce: (650)578-1172 On	<u>Si</u> te: (510)653-	-1069
9.	Number of un	derground tanks being	closed with t	his plan 2
	Length of pi	ping being removed und	der this plan	(0) ?
		of underground tank rator)2	s at this fac	cility (**confirmed with
10.	State Regis instructions	tered Hazardous Wast).	e Transporte	rs/Facilities (see
	** Undergrou	nd storage tanks must	be handled as	hazardous waste **
	a) Product/R	esidual Sludge/Rinsate	Transporter	
	NameC1	earwater Environmental	EPA I.D	. NoCARO00007013
				Exp. Date 12/31/99
	Address _	P.O. Box 7420		······································
	CityFr	emont	StateCA	Zip 94537-7420
	b) Product/F	esidual Sludge/Rinsate	e Disposal Sit	ee
	Name A	lviso	EPA ID# _	CAL000161743
		5002 Archer Street		
	City	Alviso	StateCA	Zip 95002

	Name _ Ecology Control Industries EPA I.D. No. CA0982030173
	Hauler License No. 1533 License Exp. Date $3/31/99$
	Address 255 Parr Blvd.
	City Richmond State CA Zip 94801
	d) Tank and Piping Disposal Site
	Name Erickson, Inc. EPA I.D. No. CAD009466392
	Address 255 Parr Blvd.
	City Richmond State CA Zip 94801
11.	Sample Collector
	Name DERORAH HART
	CompanyErler & Kalinowski
	Address 1730 So. Amplett Blvd Suite 320
	City <u>San Mateo</u> State <u>CA</u> Zip <u>94402</u> Phone (650) 578-1172
	Laboratory
	Name Sequoia Analytical
	Address 680 Chesapeake Drive
	City Redwood City State CA Zip 94063
	State Certification No. 1210
13.	Have tanks or pipes leaked in the past? Yes[] No[] Unknown [X]
	If yes, describe.
14.	Describe methods to be used for rendering tank(s) inert:
	Dry ice method

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.

15. Tank History and Sampling Information *** (see instructions) ***

Capacity	Tank	Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
1,000 gal.	Installation date Unknown Product-Regular Unleaded gasoline Last used: 12/21/98 (estimated)	Soil, groundwater (if any)	BENEATH TANK MAXIMUM 2 FT BELOW THE NATIVE SOIL/BACKFILL INTERFACE, SIDE WALL AT THE HIGH WATTER MARKY, GRANOWATER, IF ANY
10,000	Installation unknown Product - Diesel Last used: 12/31/98	Soil, groundwater (if any)	BENEARY TANK MAXIMUM 2 FT BELOW THE NATIVE SOIL/BACKFILL WITERFACE, SIDE WALL AT THE HEAT WATER MARK, GROUND WATER, IF ANY

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Stockpiled Soil Volume
(estimated)

Stockpile on visqueen in a bermed area.
Cover with visqueen.
Soil will be sampled by Erler &
Kalinowski, Inc.

STOCK PILED SOIL MUST BE
DISPOSED PROPERTY.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

will the excavated soil be returned to the excavation immediately after tank removal? [] yes [X] no [] unknown

If yes, explain reasoning

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without <u>prior</u> approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
DIESEL TAND BIEX TPH gasoline MTBE TPH motor oil Chlorinated & Metals Cd. Co		8015 m 8020	SOIL Img/kg water 50 mg/L

18. Submit Worker's Compensation Certificate copy

	-		
Name of Insurer	State Fund	Insurance	

19. Submit Plot Plan ***(See Instructions)***

Day Section 1

- 20. Enclose Deposit (See Instructions)
- 21. Report all leaks or contamination to this office within 5 days of discovery.

 The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.
- 22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.
- 23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business EVANS BROTHERS INC.	
Name of Individual John CAMFORD	
Signature Date 224 El	399
PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)	
Name of Business City of Emeryville	
Name of Individual <u>Juan</u> C. Arre	
Signature Remail Date February 2	6,1999

INSTRUCTIONS

General Instructions

- * Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- * State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS

Address at which closure is taking place

- EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.
- 6. CONTRACTOR

Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

- a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
- c) Tanks must be hauled as hazardous waste.
- d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION

Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. <u>CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS</u>
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A <u>site specific</u> Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer:
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring along with the environmental sampling techniques and instrumentation to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- 1) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

NOTE: These requirements are <u>excerpts</u> from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the <u>complete</u> requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
 - f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tank(s) and piping in addition to the tank(s) being removed.

20 DEPOSIT

A deposit, payable to "Treasurer of Alameda County" for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;
- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

TABLE #2

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

INDROGRADAT A SAM				
HYDROCARBON LEAK	SOIL ANALY	<u>818</u>	WATER ANA	<u> YSIS</u>
Unknown Fuel	TPH G	GCFID (5030) GCFID (3550)	TPH G	GCFID (5030)
			TPH D	GCFID (3510)
		8020 or 8240	BTX&E	602, 624 or
	TPH AND BI	TX&E 8260		8260
Leaded Gas	TPH G	GCFID (5030)	TPH G	GCFID (5030)
	BTX&E	8020 OR 8240	BTX&E	602 or 624
	TPH AND BI	TX&E 8260	TOTAL LEAD	O AA
	TOTAL LEAD			
	-	ional		
	TEL	DHS-LUFT	TEL	DHS-LUFT
	EDB	DHS-AB1803	EDB	DHS-AB1803
Unleaded Gas	TPH G	GCFID(5030) 8020 or 8240	TPH G	GCFID(5030)
			BTX&E	602, 624 or
	TPH AND BT	TX&E 8260		8260
Diesel, Jet Fuel and	TPH D	GCFID (3550):	TPH D	GCFID(3510)
Kerosene	BTX&E	8020 or 8240	BTX&E	602, 624 or
	TPH AND BY	TX&E 8260	-	8260
Fuel/Heating OilTDS On 19160	TPH D	[®] GCFID (3550) ^{© O ™ 3}	TPH D	'G C F I D (3 5 1 0)
	BTX&E	8020 or 8240	BTX&E	602, 624 or
	TPH AND B	TX&E 8260		8260
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624
-	BTX&E	8020 or 8240	BTX&E	602 or 624
		BTX&E 8260		BTX&E 8260
Non-chlorinated Solvents	TPH D	GCFID (3550)	трн р	GCFID(3510)
	BTX&E	8020 or 8240	BTX&E	602 or 624
	TPH AND B	TX&E 8260	TPH and B	
Waste and Used Oil	TPH G	GCFID (5030)	TPH G	GCFID(5030)
or Unknown	TPH D		TPH D	GCFID (3510
(All analyses must be	TPH AND B	FX&E 8260		
completed and submitted)	O & G	5520 D & F	O & G	5520 B & F
	BTX&E	8020 or 8240	BTX&E	602, 624 or
	CL HC	8010 or 8240	CI, HC	8260 601 or 624
	ICAP or A	A TO DETECT METALS:	Cd, Cr, Pb	, Zn, Ni
		70 FOR SOIL OR WATER		:
	PCB*		PCB PCP	
	PNA		PNA	
•	CREOSOTE		CREOSOTE	

^{*} If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

Tri-Regional Board Staff Recommendations Preliminary UST Site Investigations

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

- 1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
- 2. 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.
- 3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
- 4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
- 5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydro- carbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. 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.
- 6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
- 7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
- 8. 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. Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
- 9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE		MODIFIED	PROTOCOL
<pre>≤ 10 ppm ≤ 5 ppm ≤ 1 ppm</pre>	(19%)	<pre>≤ 10 ppm ≤ 5 ppm ≤ 1 ppm</pre>	(21%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

- 10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- and analyzed.

 11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chroma-togram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

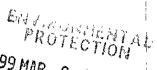
12. REPORTING LIMITS FOR TPH are: gasoline standard \leq 20 carbon atoms, diesel and jet fuel (kerosene) standard \leq 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.



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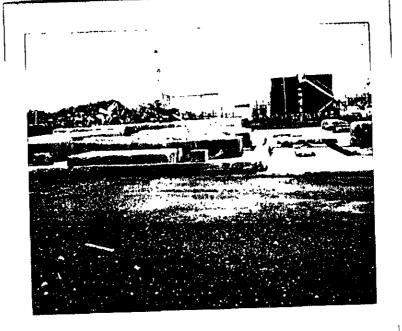


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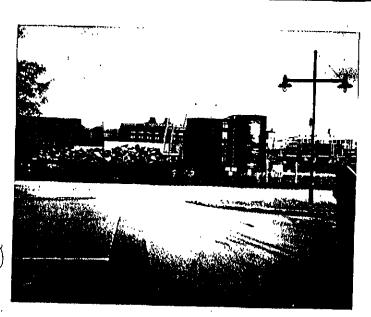
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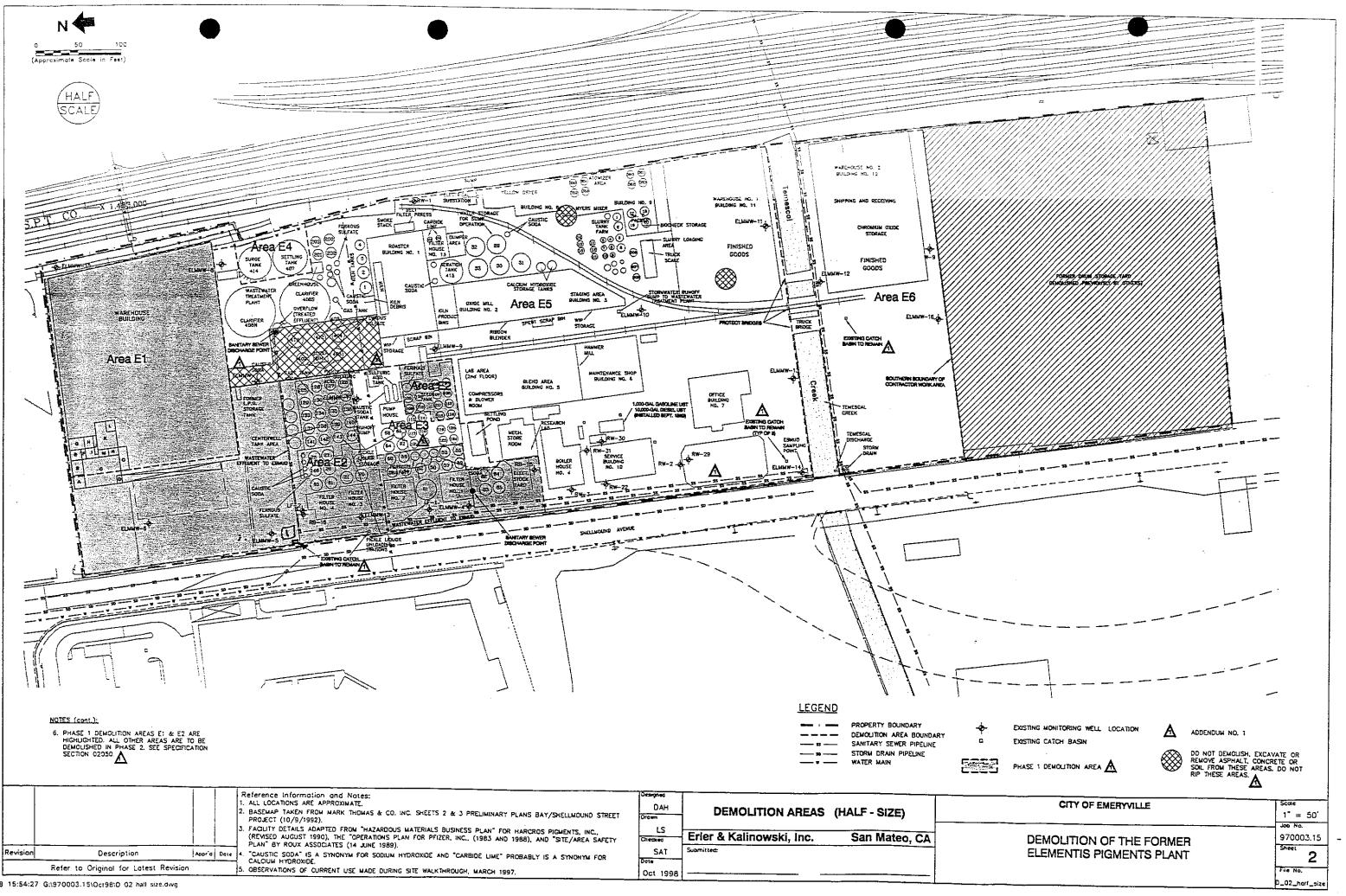
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California Environmental Protection Agency Department of Toxic Substances Control



FACT SHEET Shellmound Properties Site

4650, 5500 and 5600 Shellmound Street, Emeryville California

FACT SHEET 2

February 1999

INTRODUCTION

The California Environmental Protection Agency, **Department of Toxic Substances Control (DTSC)** has prepared this fact sheet to inform you of the proposed cleanup for the Shellmound Properties (Site) located on Shellmound Street in Emeryville, California. The proposed cleanup is being conducted by the Emeryville Redevelopment Agency under the oversight of DTSC.

This fact sheet summarizes the history of the Site, the Remedial Investigation/Feasibility Study, the Health Risk Assessment and the draft Remedial Action Plan (RAP). DTSC has, in accordance with the California Environmental Quality Act (CEQA). Prepared a Notice of Determination which evaluated this project and determined that it would improve environmental quality and would have no impacts on the environment that could not be mitigated to a level of insignificance.

Figure 1: Site location

DTSC ANNOUNCES PUBLIC MEETING

Wednesday, March 24, 1999
6:30pm - doors open
7:00pm - meeting begins
Emeryville Senior Center
4321 Salem Street
Emeryville, CA

DTSC INVITES PUBLIC COMMENT

DTSC is inviting the public to comment on these documents during the public comment period which runs from March 2, 1999 to March 31, 1999. Written comments must be postmarked by March 31 and should be sent to DTSC to the attention of Ted Park, Project Manager 700 Heinz Avenue, Suite 200, Berkeley, CA 94710. Both oral and written comments will be accepted at the public meeting.



(Terms in **bold print** are defined in the Glossary)

DTSC encourages the public to participate in the decision making process. A draft Public Participation Plan has been prepared in conjunction with the draft RAP. This draft Public Participation Plan is based on concerns and needs expressed during 16 community interviews conducted in October 1998.

DTSC is inviting public comments on these documents during the public comment period. (see Public Comment on this page). The following documents are available for public review at the information repositories (see Additional Information Box on page 8):

(7)

- Draft Remedial Action Plan (RAP) for the Shellmound properties. This document describes proposed remediation activities for the Site.
- Feasibility Study for the Shellmound Properties.
 This document evaluates remedial alternatives for the Site.
- Remedial Investigation for the Shellmound Properties. This document summarizes the results of subsurface environmental investigations at the Site.
- Fact Sheets. These documents present brief summaries of specific past and future remediation activities at the Site.
- Public Participation Plan. This document presents information regarding the community where the Site is located and presents the public participation activities planned for the Site.

Final approval of the draft RAP by DTSC will not occur until after the public comment period ends on March 31, 1999.

Although the draft RAP indicates a preferred remedial alternative, DTSC has not yet made a decision in regard to the preferred alternative and encourages public comments on all alternatives.

SITE HISTORY AND BACKGROUND

The Site is located east of Interstate I-80 and west of the Southern Pacific railroad tracks. (See Figure 1). The Site is located within the City of Emeryville's 1976 and Shellmound Park Redevelopment Project Areas.

The Emeryville Redevelopment Agency is assembling six South Bayfront properties for future redevelopment. Four of these properties are in need of remediation and comprise the Site. The Emeryville Redevelopment Agency will conduct the cleanup under DTSC oversight. The four properties that comprise the Site are: the former Elementis Pigments, McKinley, Sepulveda and Old Shellmound Street parcels (as shown in Figure 2). The remedy described in the draft Remedial Action Plan addresses contamination at all four of these parcels.

The Site has been used primarily for industrial activities since the early 1920's. The industrial uses have included formulation and packaging of pesticides and insecticides, manufacturing of iron oxide pigments, reconditioning used drums, trucking operations, a machine shop, and offices. The Old Shellmound Street right of way was part of the San Francisco Bay that was filled in the 1930's.

REMEDIAL INVESTIGATIONS

Numerous remedial investigations were conducted at the Site by various consultants in 1997 and 1998 to determine the nature and extent of the chemical compounds in the soil and groundwater. More than 700 soil samples and 230 groundwater and surface water samples have been collected from soil borings and groundwater monitoring wells and analyzed for chemical compounds.

For the purpose of the Site remedial evaluations, the Site is divided into three areas (See Figure 2): The "Northern Area" includes the McKinley and Sepulveda parcels and the northern portion of the Elementis parcel; the "Southern Area" includes the southern portion of the Site which is the location of the historic Elementis parcel; the old Shellmound Street right of way defines the third area.

The results of chemical analyses indicate that soils in several locations are contaminated with elevated levels of various chemicals. Most of these locations are in the "Northern Area." The primary chemicals of concern (COCs) are arsenic, lead, DDT residuals, volatile organic compounds and petroleum hydrocarbons. Limited areas of soil within the "Southern Area" and the Old Shellmound Street right of way are impacted with lead and petroleum hydrocarbons.

Low concentrations of arsenic and volatile organic compounds are also detected in the shallow groundwater in the "Northern Area."

HEALTH RISK ASSESSMENT

The Human Health Risk Assessment evaluated the potential risk to public health and the environment posed by Site conditions before, during and after remediation or redevelopment. The risk evaluations took into consideration the future land use of the Site and determined cleanup goals for arsenic and other chemicals.

The remedial goal for arsenic, which is the primary chemical of concern, is 60 ppm (parts per million) for unsaturated zone soil and 500 ppm for saturated zone soil.

Arsenic is also the primary contaminant of concern in shallow groundwater. The risk evaluations concluded that groundwater at the Site does not present any significant risk to the public or the environment,

FEASIBILITY STUDY

A Feasibility Study was prepared to identify appropriate cleanup methods for remediation of the Site. The study evaluated eight remedial alternatives, which are summarized in Table 1.

DRAFT REMEDIAL ACTION PLAN

Under DTSC oversight the Emeryville Redevelopment Agency is proposing to implement the draft Remedial Action Plan to ensure that potential exposure to arsenic, lead, DDT residuals, volatile organic compounds and petroleum hydrocarbons does not pose a threat to human health or the environment. This draft RAP includes the following remedial goals:

REMEDIAL GOALS

The remediation goals for the Site are as follows:

- Protect the health and safety of the public and construction workers during remediation activities.
- Eliminate the public's potential exposure to contaminated soil.
- Protect groundwater.
- Protect surface water

The Feasibility Study evaluated eight alternatives (See table 1). Alternative number four is being proposed as the preferred method for remediating the Site.

PROPOSED ALTERNATIVE

After evaluating the alternatives in Table 1, DTSC recommends remedial alternative #4, which is described in the draft RAP and includes the following:

- Excavating soils above the water table that exceed 60 ppm arsenic.
- Excavating soils below the water table that contain greater than 500 ppm arsenic.
- Disposing excavated soils at a permitted off-site facility.
- Backfilling the excavation with clean fill.
- Removing, treating and discharging contaminated groundwater.

- Groundwater monitoring for 5 years.
- Implementing deed restrictions
- Developing a soil management plan.
- Excavating and disposing the contaminated soil and backfilling with clean soil at the impacted areas in the Old Shellmound Street based on Myers Drum RAP approved by DTSC in 1996.
- Performing dust control measures during construction work on-site to protect nearby residents, businesses, and construction workers.

Alternative four is being recommended because it best meets the criteria of federal and state regulatory agencies, including overall protection of human health and the environment, limited effects on beneficial uses of resources, positive effects on groundwater resources, reduction of mobility of contaminants, cost effectiveness, and acceptance by the community.

In addition the draft RAP requires that steps will be taken during implementation to ensure the health and safety of people working on the project and living in the community.

COMPLIANCE WITH CEQA (California Environmental Quality Act)

In accordance with CEQA, the environmental consequences of the cleanup and redevelopment of the Site have been addressed on three occasions: an Environmental Impact Report prepared and approved in connection with the 1987 Shellmound Park Redevelopment Project, a December 1997 Notice of Determination prepared in connection with the Redevelopment Agency's determination to use its authority under the Polanco Redevelopment Act to bring about the cleanup, and an Environment Impact Report prepared and approved (on February 2, 1999) in connection with the proposed redevelopment of the Shellmound Properties into a retail and commercial district.

DTSC has prepared a CEQA Notice of Determination which evaluated and determined that the proposed draft RAP would not result in any significant environmental impacts. This document is also available for public review at the information repositories.



GLOSSARY OF TERMS

California Environmental Protection Agency, Department of Toxic Substances Control (DTSC)

The lead regulatory agency responsible for the investigation and cleanup of the Site.

Chemicals of Concern (COCs)

A list of chemicals specific to a particular Site that will be investigated and remediated.

DDT Residuals

The pesticide DDT (dichlorodiphenyltrichloroethane) and the related compounds DDD (dichlorodiphenyltrichloroethane) and DDE (dichlorodiphenyltrichloroethane).

Petroleum Hydrocarbons

A family of organic compounds derived from petroleum. Petroleum hydrocarbons are found in gasoline, oil, diesel, and jet fuels.

Remedial Action Plan (RAP)

A plan, approved by DTSC, that outlines a specific program leading to the remediation of a contaminated Site. After the draft RAP is prepared, DTSC holds a public meeting and solicits comments from the public for a period of at least 30 days. After the public comment period has ended, DTSC responds in writing to comments received and approves the final remedy for the Site (Final RAP).

Saturated Zone

The area below the ground surface where the soil contains water; the depth at which water is first encountered is called the water table. At the Site, the water table is at about 6 feet below the ground surface.

Volatile Organic Compounds (VOCs)

A group of compounds that readily evaporate at temperatures normally found at ground surface and at shallow depths. Several solvents are classified as VOCs. Examples of VOCs are benzene and trichloroethylene (TCE).

Unsaturated zone

The area between the ground surface and the water table (See saturated zone, above).

California Environmental Quality Act (CEQA)

The California law that establishes a framework for policy decisions regarding actions that may have significant effect on the environment. All state and local agencies are required to comply with CEQA prior to taking discretionary actions.

Remedial Investigation/Feasibility Study (RI/FS)

A series of investigations and studies to identify the types and extent of chemicals of concern in the environment (Remedial Investigation) and to provide an evaluation of the alternatives for remediating any identified soil or groundwater problems (Feasibility Study).

Arsenic

A crystalline gray, highly poisonous metal, most commonly brittle. It is used as an alloy for metals, especially lead and copper, and is used in insect-killing chemicals and weed killers. In its organic form, it is listed as a cancer-causing agent under Proposition 65.

Lead

A heavy metal of a dull grayish color that is present in small amounts everywhere in the human environment. Lead can get into the body from drinking contaminated water, eating vegetables grown in contaminated soil, and breathing dust when children play or adults work in lead contaminated areas. Lead can cause damage to the nervous system or blood cells if present in the body. Children are at highest risk from exposure to lead contamination because their bodies are still developing. Lead is listed as a reproductive toxic substance for women and men under Proposition 15.

Health Risk Assessment

A study prepared to assess human health and environmental risks due to potential exposure to hazardous substances.



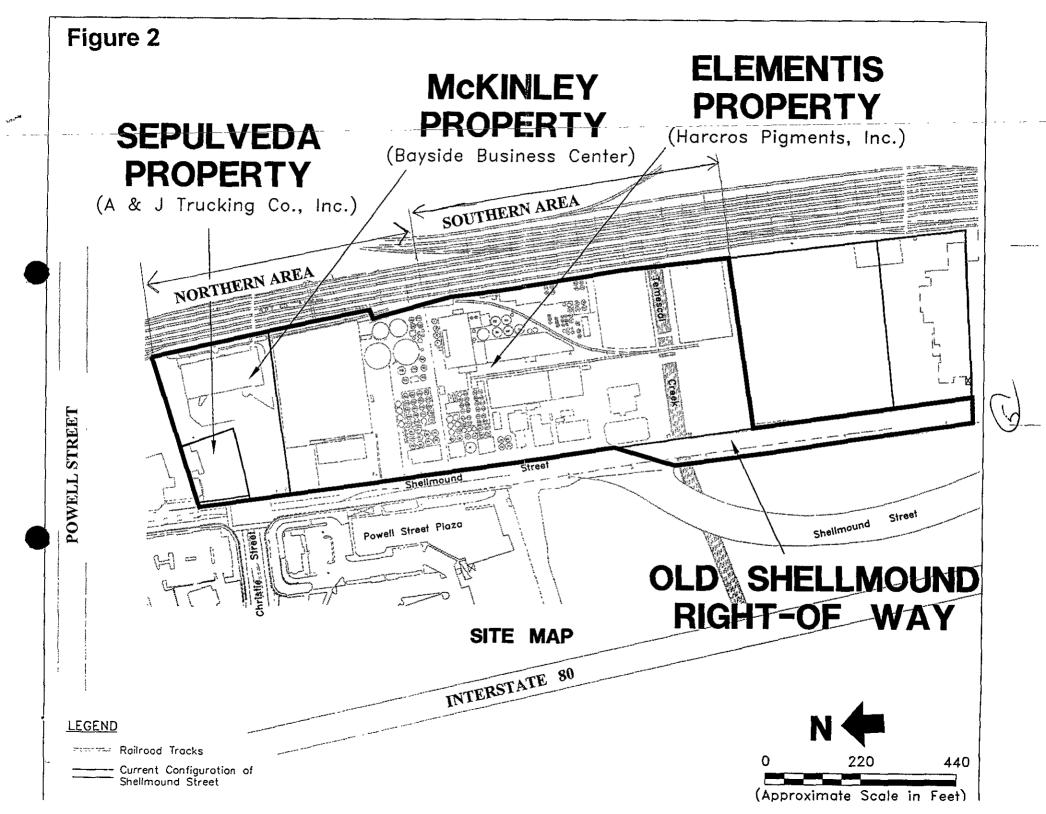


Table 1: Summary of Remedial Alternatives for the Northern and Southern Areas

A14		Description of Remedial Activities 1			
Alternative		Soil Remediation	Water Quality		
No Action Alternative 1		None	None		
Minimal Action Alternative	2	None	Groundwater monitoring		
Excavation/ Off-Site Disposal	3	Excavate unsaturated zone soil containing greater than 60 mg/kg arsenic³ and dispose off-site	Groundwater monitoring		
Alternatives ²	4"	Excavate unsaturated zone soil containing greater than 60 mg/kg arsenic³ and dispose off-site *Recommended alternative	Groundwater monitoring Excavate soil containing greater than 500 mg/kg arsenic ⁴ and dispose off-site Remove contaminated groundwater and treat onsite		
	5	Excavate unsaturated zone soil containing greater than 60 mg/kg arsenic³ and dispose off-site	Groundwater monitoring Excavate soil containing greater than 60 mg/kg arsenic ⁴ and dispose off-site Remove contaminated groundwater and treat onsite		
Excavation/ On-Site Stabilization Alternatives ²	6	Excavate unsaturated zone soil containing greater than 1,000 mg/kg arsenic³ and dispose off-site Chemically stabilize6 unsaturated zone soil containing 60 to 1,000 mg/kg arsenic³ and dispose on-site Designate a Corrective Action Management Unit⁵	Groundwater monitoring		
	8	Excavate unsaturated zone soil containing greater than 1,000 mg/kg arsenic³ and dispose off-site Excavate unsaturated zone soil containing 60 to 1,000 mg/kg arsenic³ and chemically stabilize6 in on-site treatment unit and return treated soil to the excavation Designate a Corrective Action Management Unit5 Excavate unsaturated zone soil containing greater than 1,000 mg/kg arsenic³ and dispose off-site Chemically stabilize6 unsaturated zone soil containing 60 to 1,000 mg/kg arsenic³ in place and without excavation and	Groundwater monitoring Excavate soil containing greater than 500mg/kg arsenic ⁴ and dispose off-site Groundwater monitoring Chemically stabilize soil containing greater than 60mg/kg arsenic ³ in place		

6)

Notes:

- 1. All alternatives include groundwater monitoring, a long-term Risk Management Plan, and institutional controls, except for Alternative 1.
- 2. Because arsenic is the primary COC at the Site, it is being used as the indicator COC for design purposes. However, testing will be performed at the Site to insure that residual concentrations of ALL COCs are below remedial goals.
- 3. The cumulative risk based soil remedial goal for arsenic in the unsaturated zone is 60 mg/kg.
- 4. The remediation goal for arsenic in the saturated zone is 500 mg/kg.
- 5. A Corrective Action Management Unit (CAMU) is a consolidation of contaminated materials into a self-contained unit.
- 6. Chemical stabilization techniques ideally prevent contaminants from migrating so that the treated soil can be disposed on-site. However, the long-term effectiveness of chemical stabilization technologies for arsenic-contaminated soil has not been established.

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If you would like to be added to the Mailing List, please complete the coupon below and return it to Rachelle Maricq, Public Participation Specialist at the DTSC (address listed on the back page). DTSC mailing lists are solely for the purpose of keeping persons informed of DTSC activities. Mailing lists are not routinely released to outside parties. However, they are considered public records and, if requested, may be subject to release.

I WOULD LIKE TO BE ADDED TO THE SHELLMO	OUND PROPERTIES MA	AILING LIST.	1
Name			:
Address			:
City	State	Zip	-



FOR MORE INFORMATION Information Repositories

Interested persons are encouraged to review available information about the draft Remedial Action Plan. Documents are available for public review at the following locations:

DTSC 700 Heinz Avenue Berkeley, CA (510) 540-3800 Call for an appointment Emeryville Redevelopment Agency 2200 Powell St., 12th floor Emeryville, CA 94608 (510)596-4350 45th Street Artists' Cooperative, Office Emeryville, CA 94608

Emeryville Senior Center 4321 Salem Street Emeryville, California (510)596-3730

The full administrative record is available for public review at DTSC.

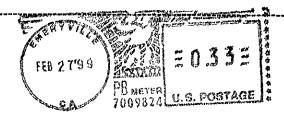
If you have any questions, please call either Ted Park, DTSC Project Manager at (510)540-3805 or Rachelle Maricq, DTSC Public Participation Specialist at (510)540-3910 or write them at the DTSC address above.

Any questions regarding Emeryville's Redevelopment project should be directed to

City of EmeryvIIIe 2200 Powell Street, 12th Floor EmeryvIIIe, CA 94608 (510) 596-4350



California Environmental Protection Agency Department of Toxic Substances Control 700 Heinz Avenue, Suite 200 Berkeley, CA 94710-2721 Attn: Rachelle Maricq



March 24, 1999
Emeryville
Senior Center
2449 Powell Street
Emeryville, California

Meeting time: doors open 6:30pm Meeting begins 7:00pm Susan Hugo Alameda County Dept. of Environmental Health 1131 Harbor Bay Parkway, 2nd Flr. Alameda, Ca 94502

NOTICE TO HEARING IMPAIRED INDIVIDUALS

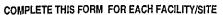
TDD users can obtain additional information by using the California State Relay Service (1-888-877-5378) to reach Rachelle Maricq at (510)540-3910

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STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD

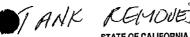
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



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CITY NAME	STATE ZIP CODE	049-1038-002 SITE PHONE # WITH AREA CODE
Emeryville	CA 94608	(510) 653-1069
	ISTRICTS CITY OF THE STATE OF T	STATE-AGENCY' FEDERAL-AGENCY'
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Ron Gerber (510) 596–4357 NIGHTS: NAME (LAST, FIRST) PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Hart, Deborah 1-877-251-7220		!
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2200 Powell St 12th Floor	CORPORATION PARTNERSHIP	COUNTY-AGENCY FEDERAL-AGENCY
CITY NAME	STATE ZIP CODE CA 94608	PHONE # WITH AREA CODE
Emeryville	CA 94608	(510) 596-4357
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)	Takes or the second sec	
NAME OF OWNER Emeryville Redevelopment Agency	CARE OF ADDRESS INFORMATION	
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2200 Powell St 12th Floor	CORPORATION PARTNERSHIP STATE ZIP CODE	COUNTY-AGENCY FEDERAL-AGENCY
CITY NAME Emeryville,	CA 94608	PHONE # WITH AREA CODE (510) 596+4357
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VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification	on and billing will be sent to the tank owner	unless box I or II is checked.
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THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, A	ND TO THE BEST OF MY KNOWLEDGE, IS	TRUE AND CORRECT
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THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY. OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS



STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Elementis Pigments
1. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A OWNER'S TANK I.D. # Unknown B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) September, 1989 D. TANK CAPACITY IN GALLONS: 10,000 gallons
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 5 INTERNAL BLADDER SYSTEM X 95 UNKNOWN 99 OTHER
B. TANK
C. INTERIOR 1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING LINING OR 5 GLASS LINING 6 UNLINED 5 UNKNOWN 99 OTHER COATING IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D. EXTERIOR 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC CORROSION 91 NONE 5 CATHODIC PROTECTION 91 NONE 5 UNKNOWN 99 OTHER SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
E. SPILL AND OVEHPILL, 8tc. DROP TUBE YES NO STRIKER PLATE YES NO DISPENSER CONTAINMENT YES NO
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE A SYSTEM TYPE A K 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 4 FLEXIBLE PIPING A U 99 OTHER
A. SYSTEM TYPE A M. 1 SUCTION A U 2 PRESSURE A U 3 GHAVITY A U 4 PLEXIBLE PIPING A U 49 OTHER B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DQUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A W 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 MECHANICAL LINE LEAK 2 LINE TRAITINES 3 CONTINUOUS INTERSTITIAL 4 ELECTRONIC LINE 5 AUTOMATIC PUMP 99 OTHER LINE TOWN.
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 MANUAL INVENTORY RECONCILIATION 3 VADOZE MONITORING GAUGING 5 GROUND WATER 6 ANNUAL TANK TESTING 9 WEEKLY MANUAL 10 MONITORING 9 OTHER
VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)
1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS INERT MATERIAL? 1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS INERT MATERIAL?
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT TANK OWNER'S NAME (PRINTED & SIGNATURE) JURY C. AYYEGUIN Build DATE OZ. 26-79
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE



STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

VOIN LEGIT	
MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFOFO ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK	
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Elementis Pigments	
I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN	
A. OWNER'S TANK I. D. # Unknown B. MANUFACTURED BY:	Unknown
C. DATE INSTALLED (MO/DAY/YEAR) Unknown D. TANK CAPACITY IN GAL	LLONS: 1,000 Gallons
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.	
A. A. 1 MOTOH VEHICLE FUEL 4 OIL 8. 1. PRODUCT 16 PREMIL	AR UNLEADED 3 DIESEL 6 AVIATION GAS UM UNLEADED 4 GASAHOL 7 METHANOL ADE UNLEADED 5 JET FUEL 8 M85 ED 99 OTHER (DESCRIBE IN ITEM O. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED	C. A. S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D	AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER SYSTEM 2 SINGLE WALL 4 SINGLE WALL IN A VAULT	5 INTERNAL BLADDER SYSTEM 95 UNKNOWN 99 OTHER
B. TANK 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN	4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC 8 100% METHANOL COMPATIBLE W/FRP 99 OTHER
C. INTERIOR 1 AUBBER LINED 2 ALKYD LINING 3 EPOXY LINING LINING 5 GLASS LINING 6 UNLINED 5 UNKNOWN COATING IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO.	4 PHENOLIC LINING 99 OTHER
D. EXTERIOR 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP CORROSION 5 CATHODIC PROTECTION 91 NONE \$\times\$ 95 UNKNOWN \$\text{UNKNOWN}\$	4 FIBERGLASS REINFORCED PLASTIC 99 OTHER UIPMENT INSTALLED (YEAR)
E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUAL TO STRIKER PLATE YES NO STRIKER PLATE YES NO	DISPENSER CONTAINMENT YES NO NO
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE	E
A. SYSTEM TYPE A X 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY	A U 4 FLEXIBLE PIPING A U 99 OTHER
B. CONSTRUCTION A U 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH	A X 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLOR CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A XU 95 UNKNOWN	A U 8 100% METHANOL COMPATIBLE W/FRP
D. LEAK DETECTION 1 MECHANICAL LINE LEAK 2 LINE TIGHTNESS 3 CONTINUOUS INTERSTITIAL 4 ELECTRONIC LINE LEAK DETECTOR	NE SAUTOMATIC PUMP 99 OTHER Unknown
V. TANK LEAK DETECTION	
1 VISUAL CHECK 2 MANUAL INVENTORY 3 VADOZE 6 AUTOMATIC GAUGING 10 MONITORING 9 WEEKLY MANUAL 10 MONTHLY MONITORING 10 MONTHLY MONITORING 10 MONTHLY TANK GAUGING 1 TESTING	MONITORING - TESTING
VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)	
1. ESTIMATED DATE LAST USED (MO/DAY/YR) Dec. 31, 1998 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS	3. WAS TANK FILLED WITH YES NO X
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF TANK OWNER'S NAME (PRINTED & SIGNATURE) JULY C ATTENDED	F MY KNOWLEDGE, IS TRUE AND CORRECT DATE 2-26-77
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELO	ow
STATE I.D.# COUNTY # JURISDICTION # FACILITY #	TANK#
PERMIT NUMBER PERMIT APPROVED BY/DATE P	PERMIT EXPIRATION DATE

ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



January 27, 1999

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

Mr. Ron Gerber Projects Coordinator City of Emeryville Redevelopment Agency 2200 Powell Street, 12th Floor Emeryville, California 94608

Subject:

Non-Compliance Status of the Two Underground Storage Tanks at Elementis Pigments – 4650 Shellmound Street, Emeryville, CA 94608

Dear Mr. Gerber:

As you know, per our conversation on January 21, 1999, the two underground storage tanks (USTs) at the above referenced site are not in full compliance with the California Underground Storage Tank Regulations. The permit for the USTs expired on March 30, 1998. This office sent a letter to Elementis Pigments on August 10, 1998, regarding upgrading and /or removing the USTs by December 22, 1998. A permit application package for the removal of the tanks was provided to Mr. Wayne Groth of Elementis Pigments at that time. We have not received any application for the removal of the tanks.

This office was not aware that the Elementis Pigments had moved out of the facility and the property including the tanks are currently owned by the City of Emeryville. You have also informed me during our telephone conversation that demolition work is on-going at the site and that the tanks are still in the ground.

As the owner of the tanks, you are required to notify this office of the change of ownership within thirty calendar days. In addition, the tanks should meet the closure requirements per California Code of Regulations, Title 23, Section 2670 (e) which states that the time period between cessation of hazardous substance storage and application for temporary or permanent tank closure shall not exceed 90 calendar days. The owner or operator who intends to close a tank should submit to the local agency for approval, a proposal for compliance with the temporary or permanent closure requirements.

In order to meet full compliance with the Underground Storage Tank Regulations, the following items must be addressed:

1) Apply for a temporary closure for the two USTs. I sent you the form "Notification of Intent and Application for Permit to Temporarily Close Underground Storage Tanks" via fax last January 21, 1999. I have received the completed form the same day.

Mr. Ron Gerber

RE: 4650 Shellmound Street, Emeryville, CA

January 27, 1999

Please make an appointment to confirm items 1-3 as listed in the temporary closure form with Robert Weston of our office at (510) 567-6781.

2) A closure application for the removal of the tanks should be submitted. Enclosed is the closure application package for your use. Forms A and B are included in this package.

I have also included copies of the letter sent to Elementis Pigments dated August 10, 1998 and the five year permits issued on April 1994 for the two tanks for your reference.

Please call me at (510) 567-6780 if you have any questions regarding this letter.

Sincerely,

Susan L. Hugo

Hazardous Materials Specialist

Enclosures

c: Mee Ling Tung, Director, Environmental Health
 Dick Pantages, Chief, Hazardous Materials Programs
 Tom Peacock, Manager, Hazardous Materials Programs
 Steve Morse / Ravi Arulanantham, San Francisco Bay RWQCB
 Chuck Headlee, San Francisco Bay RWQCB
 George Warren, Emeryville Fire Dept., 2333 Powell St., Emeryville, CA 94608
 SH / RW / files

AMEDA COUNTY

HEALTH CARE SERVICES







August 10, 1998

Wayne Groth, Plant Manager Elementis Pigments Inc. P.O. Box 8215 Emeryville CA 94662

ENVIRONMENTAL HEALTH SERVICES 1131 Haibor Bay Parkway Stine 1960 Alameda | CA 94502-6517 (510) 567-6700 1510) 337 9335 (FAX)

Underground Storage Tank (UST) Upgrade and/or Removal RE: Requirements for 4650 Shellmound Street, Emeryville CA 94608

Dear Mr. Groth:

As you are probably aware, all USTs must be upgraded or removed by December 22, 1998. In addition, law is now in effect which prohibits fuel deliveries to your tanks effective January 1, 1999 unless your tank system is in full compliance and operating under a permit from this Office. Fuel delivery drivers will be prohibited by law from delivering fuel to tank sites that are not certified in compliance.

I have recently completed a review of your file to determine the readiness of your UST system for certification. The two USTs require the installation of equipment to prevent overfilling the tanks during bulk loading.

During a recent telephone conversation with Mark Olsen, he indicated that plans for the operation of Elementis Pigments Inc. at the above site is questionable. Since the situation appears to not favor the continued use of the USTs it is my recommendation that the removal permit process be started immediately. The tanks cannot be legally operated after December 22, 1998. Since the business is moving from the site the tanks will no doubt be removed in the near future.

Enclosed is a permit application package for the removal of the tanks. Please review the options available to you as soon as possible in order to either remove the tanks by December 22, 1998 or upgrade with overfill prevention equipment and continue operating. You may contact me at (510)567-6781 with any questions about this letter.

Sincerel

Senior Hazardous Materials Specialist

c: Susan Hugo, ACDEH

ALAMEDA COUNTY HEALTH CARE SERVICES



DAVID J. KEARS, Agency Director



August 10, 1998

Wayne Groth, Plant Manager Elementis Pigments Inc. P.O. Box 8215 Emeryville CA 94662 **ENVIRONMENTAL HEALTH SERVICES**

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

RE: Underground Storage Tank (UST) Upgrade and/or Removal Requirements for 4650 Shellmound Street, Emeryville CA 94608

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1/1

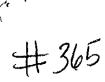
Sincerel

Robert Weston

Senior Hazardous Materials Specialist

c: Susan Hugo, ACDEH

To the



STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE



1 NEW PERMIT 3 RENEWAL PERMIT	5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED SITE
MARK ONLY ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT	6 TEMPORARY SITE CLOSURE
I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLE	ETED)
DBA OR FACILITY NAME ENTIS PIGMENTS INC.	NAME OF OPERATOR LEGISLATION INC.
ADDRESS 4650 SHELLMOUND ST	NEAREST CROSS STREET PARCEL # (OPTIONAL)
CITY NAME EMERYVILLE	STATE ZIP CODE SITE PHONE # WITH AREA CODE 5/0.653,6151
	OCAL-AGENCY COUNTY-AGENCY STATE-AGENCY FEDERAL-AGENCY STRICTS Protes the UST
TYPE OF BUSINESS 1 GAS STATION 2 DISTRIBUTOR 3 FARM 4 PROCESSOR 5 OTHER	PESERVATION OF TRUST LANDS 2 E. P. A. I. D. # (optional)
EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY) - optional
DAYS: NAME (LAST, FIRST) PHONE # WITH AREA CODE NIGHTS: NAME (LAST, FIRST) PHONE # WITH AREA CODE PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST) OLSON, MAKIC 5/0, 653-6/51 X 2/6 NIGHTS: NAME (LAST, FIRST) PHONE # WITH AREA CODE
SUPETVISOF 510.653.6151 x 215	THE LEWISTINGS
II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)	,
ELEMENTIS PIGMENTS INC	CARÉ OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS DE SUITE 1	box to indicate INDIVIDUAL LOCAL-AGENCY STATE-AGENCY CORPORATION PARTNERSHIP COUNTY-AGENCY FEDERAL-AGENCY STATE 719 CODE.
FRISVIEW Heights	STATE ZIP CODE ZZOS PHONE # WITH AREA CODE
(
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)	<u> </u>
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)	CARE OF ADDRESS INFORMATION
	CARE OF ADDRESS INFORMATION **Dox to indicate
NAME OF OWNER SAME	CARE OF ADDRESS INFORMATION
NAME OF OWNER SAME MAILING OR STREET ADDRESS CITY NAME	CARE OF ADDRESS INFORMATION ** box to indicate
MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM	CARE OF ADDRESS INFORMATION ** box to indicate
NAME OF OWNER SAME MAILING OR STREET ADDRESS CITY NAME	CARE OF ADDRESS INFORMATION ** box to indicate
MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM	CARE OF ADDRESS INFORMATION box to indicate
NAME OF OWNER MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 44032206	CARE OF ADDRESS INFORMATION Dox to indicate
NAME OF OWNER MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 4 4 0 3 2 2 0 6 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI V box to indicate 1 Self-insured 2 Guarantee 3 Insurance 4 Sul 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER 9 STATE FUND & CR	CARE OF ADDRESS INFORMATION Dox to indicate
NAME OF OWNER MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 4 4 0 3 2 2 0 6 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI V box to indicate 1 Self-insured 2 Guarantee 3 Insurance 4 Sul 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER 9 STATE FUND & CR	CARE OF ADDRESS INFORMATION Dox to indicate
NAME OF OWNER MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 44032206 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI V box to indicate 1 SELF-INSURED 2 GUARANTEE 3 INSURANCE 4 SUI 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER 9 STATE FUND & CE VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification	CARE OF ADDRESS INFORMATION Dox to indicate
MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 4 4 03 2 2 0 6 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI V box to indicate 1 Self-insured 2 Guarantee 3 Insurance 4 Sul 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER 9 STATE FUND & CO VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTE THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AM	CARE OF ADDRESS INFORMATION Dox to indicate
MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 4 4 03 2 2 0 6 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI V box to indicate 1 Self-insured 2 Guarantee 3 Insurance 4 Sul 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER 9 STATE FUND & CO VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTE THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AM	CARE OF ADDRESS INFORMATION **V** box to indicate** INDIVIDUAL LOCAL-AGENCY STATE-AGENCY
MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 4 4- 03 2 2 0 6 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI box to indicate	CARE OF ADDRESS INFORMATION Dox to indicate
MAILING OR STREET ADDRESS CITY NAME IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUM TY (TK) HQ 4 4- 03 2 2 0 6 V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COI box to indicate	CARE OF ADDRESS INFORMATION Dox to indicate



GENERAL INSTRUCTIONS:

SECTION 2711 OF TITLE 23, CHAPTER 16, CALIFORNIA COD. OF REGULATIONS AND SECTIONS 25286, 25287, AND 25289 OF CHAPTER 6.7, DIVISION 20, CALIFORNIA HEALTH AND SAFETY CODE REQUIRE OWNERS TO APPLY FOR AN UST OPERATING PERMIT.

- 1. One FORM "A" shall be completed for all NEW PERMIT CHANGES or any FACILITY/SITE INFORMATION CHANGES.
- 2. SUBMIT ONLY ONE (1) FORM "A" for a Facility/Site, logardless of the number of tanks located at the site.
- 3. This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
- 4. Please type or print clearly all requested information.
- 5. Use a hard point writing instrument, you are making 3 copies
- Tank owner must submit a facility plot plan to the local agency as part of the application showing the location of the USTs with respect to buildings and landmarks [Section 2711 (a)(8), CCR].
- Tank owner must submit documentation showing compliance with state financial responsibility requirements to the local agency as part of the application for petroleum USTs [Section 2711 (a)(11), CCR]

TOP OF FORM: "MARK ONLY ONE ITEM"

Mark an (X) in the box next to the item that best describes the reason the form is being completed.

- I. FACILITY/SITE INFORMATION & ADDRESS (MUST BE COMPLETED)
 - 1. Record name and address (physical location) of the underground tank(s).

NOTE: Address MUST have a valid physical location including city, state, and zip code.

P.O. BOX NUMBERS ARE NOT ACCEPTABLE.

Include nearest cross street and name of the operator

- 2 Phone number must have an area code. If the night number is the same, write "SAME" in proper location.
- 3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (ex. CORPORATION, INDIVIDUAL, etc.).
- 4. Check the appropriate box for TYPE OF BUSINESS.
- 5. If Facility/Site is located within an Indian reservation or other Indian trust lands, check the box marked "YES".
- 6. Indicate the NUMBER of TANKS at this SITE.
- 7. Record the E.P.A. ID # or write "NONE" in the space provided.
- IL PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1: If the same, write "SAME AS SITE" across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; If the same, write "SAME AS SITE" across this section. Be sure to check TANK OWNERS TYPE box.

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED. SEE ARTICLE 5, CHAPTER 6.75, DIVISION 20, CALIFORNIA HEALTH AND SAFETY CODE.)

Enter your Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will ensure that you will receive a quarterly storage fee return in reporting the per gallon fee due on the number of gallons placed in your USTs. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exemptions, please call the BOE at 916-322-9669 or write to the BOE at the following address Board of Equalization, Fuel Taxes Division, P.O. Box 942879, Sacramento, CA 94279-0001.

V. PETROLEUM UST FINANCIAL RESPONSIBILITY (MUST BE COMPLETED FOR PETROLEUM USTs ONLY, SEE SECTIONS 2711 (a)(11) OF TITLE 23, CHAPTER 16, CALIFORNIA CODE OF REGULATIONS.)

Identify the method(s) used by the owner and/or operator, in meeting the Federal and State financial responsibility requirements. USTs owned by any Federal or State agency as well as non-petroleum USTs are exempt from this requirement.

VILLEGAL NOTIFICATION AND BILLING ADDRESS

Check ONE BOX for the address that will be used for BOTH LEGAL AND BILLING NOTIFICATIONS.

TANK OWNER OR AUTHORIZED REPRESENTATIVE MUST SIGN AND DATE THE FORM AS INDICATED. [SEE SECTIONS 2711 (a)(13) OF TITLE 23 CHAPTER 16, CALIFORNIA CODE OF REGULATIONS.]

INSTRUCTION FOR THE LOCAL AGENCIES

The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916) 227-4303. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain any alphabetical characters. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX. THE LOCAL AGENCY SHOULD RETAIN THE ORIGINAL AND YELLOW COPIES. THE PINK COPY SHOULD BE RETAINED BY THE TANK OWNER.

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD





COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM:

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SIT ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: ELEMENTIS PIGMENTS
I. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A OWNER'S TANK I.D.# G B. MANUFACTURED BY MODERN WELDING
C. DATE INSTALLED (MO/DAY/YEAR) 1990 . TANK CAPACITY IN GALLONS: 1,000
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A 1 MOTOR VEHICLE FUEL 4 OIL B. C. 1 1 A REGULAR UNLEADED 3 DIESEL 6 AVIATION GAS 1 1 PRODUCT 1 PRODUCT 1 PRODUCT 1 C MIDGRADE UNLEADED 5 JET FUEL 8 M85 3 CHEMICAL PRODUCT 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. #:
11). TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF V 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 5 INTERNAL BLADDER SYSTEM 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SINGLE WALL IN A VAULT 99 OTHER
B. TANK V 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/ PIBERGLASS REINFORCED PLASTIC MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/FRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER
C. INTERIOR
D. EXTERIOR
E. SPILL AND OVERFILL, SIC. DROP TUBE YES V NO STRIKER PLATE YES V NO DISPENSER CONTAINMENT YES NO NO VERFILL, SIC. DROP TUBE YES V NO STRIKER PLATE YES V NO STRIKER YES V NO STRIKER PLATE YES V NO STRIKER YES V NO STRIKER YES V NO STRIKER PLATE YES V NO STRIKER Y
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 4 FLEXIBLE PIPING A U 99 OTHER B. CONSTRUCTION A U 1 SINGLE WALL A U 3 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
B. CONSTRUCTION A U 1 SINGLE WALL A U 3 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 3 FIBERGLASS PIPE CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W COATING A U 8 100% METHANOL COMPATIBLE W/FRP PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 MECHANICAL LINE LEAK LINE TIGHTNESS 3 CONTINUOUS INTERSTITIAL 4 ELECTRONIC LINE 5 AUTOMATIC PUMP 99 OTHER 1 TESTING 1 MONITCHING 1 TEAK DETECTOR 5 SHUTDOWN 99 OTHER
V. TANK LEAK DETECTION
VISUAL CHECK 2 MANUAL INVENTORY 3 VADOZE 4 AUTOMATIC TANK 5 GROUND WATER 6 ANNUAL TANK 6 AUGING 5 GROUND WATER 6 ANNUAL TANK 6 AUGING 6 GAUGING 7 CONTINUOUS INTERSTITIAL 8 SIR 99 OTHER 10 MONTHLY TANK 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)
1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS INERT MATERIAL? 9. STIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS INERT MATERIAL?
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT TANK OWNER'S NAME (PRINTED & SIGNATURE) DATE 13/98
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

INSTRUCTIONS FOR COMPLETING FORM "B"

GENERAL INSTRUCTIONS

Section 2711 of Title 23, Division 3, Chapter 16, California Code of Regulations and sections 25286, 25287, and 25289 of Chapter 6.7, Division 20, Health and Safety Code require tank owners to apply for an UST operating permit.

- One FORM "B" shall be completed for each tank for all NEW PERMITS, PERMIT CHANGES, REMOV-ALS and/or any other TANK INFORMATION CHANGE.
- 2. This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDER-GROUND TANK INSPECTOR.
- 3. Please type or print clearly all requested information.
- 4. Use a hard point writing instrument, you are making 3 copies.
- 5. Tank owners must submit a plot plan to the local agency showing the location of the USTs with respect to buildings and landmarks [2711 (a)(8) CCR].
- 6. Tank owners must submit documentation showing compliance with state financial responsibility requirements to the local agency for petroleum USTs [2711 (a)(11) CCR].

TOP OF FORM: MARK ONLY ONE ITEM

- 1. Mark an (X) in the box next to the item that best describes the reason the form is being completed.
- 2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL ITEMS - IF UNKNOWN - SO SPECIFY

- A. Indicate owners tank ID # If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
- B. Indicate the name of the company that manufactured the tank (ex. ACME TANK MFG).
- C. Indicate the year the tank was installed (ex. 1987).
- D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.).

II. TANK CONTENTS

- A. 1. IF MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
 - 2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
- B. Check the appropriate box.
- C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
- D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

- 1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
- 2. If OTHER, print in the space provided.

IV. PIPING INFORMATION

- 1. Circle "A" if above ground circle "U" if underground, and circle both if applicable.
- 2. If UNKNOWN circle; or if OTHER, print in space provided.
- Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

- 1. ESTIMATED DATE LAST USED MONTH/YEAR (January, 1988 or 01/88)
- 2. ESTIMATED QUANTITY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
- 3. WAS TANK FILLED WITH INERT MATERIAL? Check "Yes" or "No".

TANK OWNER OR AUTHORIZED REPRESENTATIVE MUST SIGN AND DATE THE FORM AS INDI-CATED [see section 2711 (a)(13) CCR]

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916) 227-4303. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency, however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX. THE LOCAL AGENCY SHOULD RETAIN THE ORIGINAL AND YELLOW COPIES. THE PINK COPY SHOULD BE RETAINED BY THE TANK OWNER.

STATE OF CALIFORNIA

STATE WATER RESOURCES CONTROL BOARD





COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: ELEMENTIS PIGMENTS INC.
I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A OWNER'S TANK I.D.# D B. MANUFACTURED BY: MODERN WELDING
C. DATE INSTALLED (MO/DAY/YEAR) 1990 D. TANK CAPACITY IN GALLONS: 10,000
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A W MOTOR VEHICLE FUEL 4 OIL B. C. 18 REGULAR UNLEADED 3 DIESEL 6 AVIATION GAS 16 PREMIUM UNLEADED 4 GASAHOL 7 METHANOL 16 MIDGRADE UNLEADED 5 JET FUEL 8 M95 3 CHEMICAL PRODUCT 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 5 INTERNAL BLADDER SYSTEM 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SINGLE WALL IN A VAULT 99 OTHER
B. TANK MATERIAL S CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE WIFRP (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER
C. INTERIOR 1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING LINING OR 5 GLASS LINING 6 UNLINED 95 UNKNOWN 99 OTHER COATING IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D. EXTERIOR
E. SPILL AND OVERFILL, etc. DROP TUBE YES NO STRIKER PLATE YES NO DISPENSER CONTAINMENT YES NO L
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE A U 1 SUCTION AU 2 PRESSURE A U 3 GRAVITY A U 4 FLEXIBLE PIPING A U 99 OTHER B. CONSTRUCTION AU 1 SINGLE WALL A U 2 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER
C. MATERIAL AND CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 9 OTHER
D. LEAK DETECTION MECHANICAL LINE LEAK LINE TEATINGS CONTINUOUS INTERSTITIAL 4 ELECTRONIC LINE 5 AUTOMATIC PUMP 99 OTHER LEAK DETECTOR SHUTDOWN 99 OTHER
V. TANK LEAK DETECTION
1 VISUAL CHECK 2 MANUAL INVENTORY 3 VADOZE 4 AUTOMATIC TANK 5 GROUND WATER FE 6 ANNUAL TANK MONITORING GAUGING MONITORING 15 GROUND WATER FE 6 ANNUAL TANK GAUGING MONITORING 99 OTHER TANK GAUGING TESTING
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1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAININGGALLONS INERT MATERIAL? 3. WAS TANK FILLED WITH YES NO
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
TANK OWNER'S NAME (PRINTED & SIGNATURE) MARK OLSON Mand Olson 3/3/98
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
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SRI ENVIRONMENTAL ENGINEERS & CONSULTANTS

1855 GATEWAY BOULEVARD SUITE 770 CONCORD, CALIFORNIA 94520 (510) 602-2333

FAX: (510) 687-1258



August 1, 1996

Ms. Juliette Blake Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Room 250 Alameda, California 94502

RE:

Harcros Pigments Plant, 4650 Shellmound St., Emeryville

Subject:

Monitoring Well Survey Data

Dear Ms. Blake:

On behalf of Harcros Pigments, SRI Environmental Engineers & Consultants, Inc. (SRI) is requesting to review the files for the above referenced site including obtaining photocopies of the following report:

• Underground Storage Tank Site Investigation submitted by Roux Associates, Inc. on August 12, 1988.

The purpose of the file review is to locate the datum used to establish the elevations of the existing monitoring wells.

If you have any questions or need additional information, please contact the undersigned at (510)970-7468.

Sincerely,

SRI Environmental Engineers & Consultants, Inc.

Richard Riedl

Project Manager

cc:

Wayne Groth

ALAMEDA COUNTY HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



July 18, 1996

Mr. Wayne Groth Hacros Pigments, Inc. 4650 Shellmound Street Emeryville, California 94608 Alameda County CC4580 --Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

(310) 001-0111

RE: Groundwater Flow Study in Emeryville

Dear Mr. Groth:

The Alameda County Department of Environmental Health, Environmental Protection Division (ACDEH) and the Department of Toxic Substances Control (DTSC) are coordinating a groundwater flow study in Emeryville, specifically in the area near the Cypress Freeway (880) reconstruction project and the EBMUD North Interceptor sanitary sewer relocation due to what appeared to be inconsistent flow directions observed at nearby sites.

The following sites under the oversight of either ACDEH or DTSC are requested to participate in this study:

Good Guys - 5800 Christie Avenue	(ACDEH)
Shellmound I, II and III - Eastshore Highway	(DTSC)
Barbary Coast - 4300 Eastshore Highway	(DTSC)
Powell Street Plaza (PIE) - 5500 Eastshore Highway	(ACDEH)
Days Inn Hotel - 1603 Powell Street	(ACDEH)
BP Oil Station - 1700 Powell Street	(ACDEH)
Shell Oil Station - 1800 Powell Street	(ACDEH)
Myers Container - 4500 Shellmound Street	(DTSC)
Hacros Pigment Plant - 4650 Shellmound Street	(ACDEH)
Goldsmith Lathrop - 5813 Shellmound Street	(ACDEH)

It is necessary to coordinate / tie-in (using the same bench mark) the groundwater elevation readings of the monitoring wells at 4650 Shellmound Street (Hacros Pigments Plant) with wells at the above listed sites.

Please inform your consultants that the tentative schedule for the groundwater elevation measurements for all the sites listed above will be on July 30, 1996.

If you have any questions regarding this letter, please contact me at (510) 567-6780 or Ted Park of DTSC at (510) 540-3847.

Sincerely,

Susan L. Hugo, Senior Hazardous Materials Specialist

C: Mee Ling Tung, Director, Environmental Health Gordon Coleman. Acting Chief, Environmental Protection / files Ted Park, DTSC, 700 Heinz Ave., Berkeley, CA 94710-2737 Sum Arigala, San Francisco Bay RWQCB Rick Riedl, RAI, 1855 Gateway Blvd. #770, Concord, CA 94520

HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

July 18, 1996

Mr. F.P. Lathrop Goldsmith Lathrop 2000 Powell Street, #1660 Emeryville, California 94608 Alameda County CC4580 Environmental Health Services 1131 Harbor Bay Pkwy., #250 Alameda CA 94502-6577 (510)567-6700 FAX(510)337-9335

RE: Groundwater Flow Study in Emeryville

Dear Mr. Lathrop:

The Alameda County Department of Environmental Health, Environmental Protection Division (ACDEH) and the Department of Toxic Substances Control (DTSC) are coordinating a groundwater flow study in Emeryville, specifically in the area near the Cypress Freeway (880) reconstruction project and the EBMUD North Interceptor sanitary sewer relocation due to what appeared to be inconsistent flow directions observed at nearby sites.

The following sites under the oversight of either ACDEH or DTSC are requested to participate in this study:

Good Guys - 5800 Christie Avenue	ACDEH)
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Days Inn Hotel - 1603 Powell Street	ACDEH)
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- Chall Oll Chall	ACDEH)
Marana Cambailinas Aroo di 15	DTSC)
The warrance to the contract of the contract o	ACDEH)
- Can 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	ACDEH)

It is necessary to coordinate / tie-in (using the same bench mark) the groundwater elevation readings of the monitoring wells at 5813 Shellmound Street (Goldsmith Lathrop) with wells at the above listed sites.

Please inform your consultants that the tentative schedule for the groundwater elevation measurements for all the sites listed above will be on July 30, 1996.

If you have any questions regarding this letter, please contact me at (510) 567-6780 or Ted Park of DTSC at (510) 540-3847.

Sincerely,

7 Kluss

Susan L. Hugo, Senior Hazardous Materials Specialist

C: Mee Ling Tung, Director, Environmental Health Gordon Coleman. Acting Chief, Environmental Protection / files Ted Park, DTSC, 700 Heinz Ave., Berkeley, CA 94710-2737 Sum Arigala, San Francisco Bay RWQCB Susan Beth Bowden, 1999 Harrison St., Oakland, CA 94612 STATE WATER RESOURCES CONTROL BOARD DIVISION OF CLEAN WATER PROGRAMS

2014 T STREET, SUITE 130
P.O. BOX 944212
SACRAMENTO, CALIFORNIA 94244-2120
(916) 227-4427
(916) 227-4530 (FAX)

OCT 2 5 1994

CALFORNIA REGIONAL WAR

OCT 28 1994

QUALITY CONTROL BOARD

Pfizer Inc. Attn: Alan Zetterberg 235 E. 42nd Street New York, NY 10017

UNDERGROUND STORAGE TANK CLEANUP FUND PROGRAM, NOTICE OF PROPOSED WITHDRAWAL OF LETTER OF COMMITMENT: CLAIM NUMBER 000956; FOR SITE ADDRESS: 4650 Shellmound Street, Emeryville, CA 94662-0905

A Letter of Commitment (LOC) was issued to you on June 27, 1994. Pursuant to its terms and conditions, an LOC may be withdrawn at any time if the claimant is found to be not in compliance with any applicable state rules and regulations, and with all of the terms, conditions, and commitments contained in the claimant's application.

This letter is to notify you that the Underground Storage Tank Cleanup Fund is proposing to withdraw your LOC for the following reason(s):

On September 7, 1994, you requested a two-week extension for submitting your reimbursement request. On October 6, 1994, you spoke with Allan Patton of our office and informed him that you were having difficulty locating all papers needed for the reimbursement request, and he granted you an extension of October 21, 1994. To date, the Fund has not received a reimbursement request from you.

If you are not in agreement with this decision, you may request a review of the decision by the Manager of the Underground Storage Tank Cleanup Fund Program within thirty (30) calendar days of the date of this Notice. Please send any request for review to:

Mr. Dave Deaner, Manager Claim No. 000956
Underground Storage Tank Cleanup Fund Program
State Water Resources Control Board
Division of Clean Water Programs
P. O. Box 944212
Sacramento, CA 94244-2120

If a request for review of this decision is not received within thirty (30) calendar days of the date of this Notice, your LOC will be withdrawn.

If you have any questions, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Cheryl Gordon for Francise Aguirre

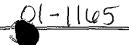
Underground Storage Tank Cleanup Fund

cc: California Regional Water Quality
Control Board, San Francisco Bay Region
Attn: Steven Ritchie
2101 Webster Street, Suite 500
Oakland, CA 94612

Alameda County EHD Attn: Ed Howell 80 Swan Way, Room 200 Oakland, CA 94621 STATE WATER RESOURCES CONTR

BOARD

DIVISION OF CLEAN WATER PROGRAMS 2014 T STREET, SUITE 130 P.O. BOX 944212 SACRAMENTO, CALIFORNIA 94244-2120 (916) 227-4307 (916) 227-4530 FAX





PETE WILSON, Governor

JUN 2 7 1994

Pfizer Inc. 235 E. 42nd Street New York, NY 10017

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 000956, FOR SITE ADDRESS: 4650 Shellmound Street, Emeryville, CA 94662-0905

The State Water Resources Control Board (SWRCB) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed \$15,000. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 16, 1992 and may be modified by the SWRCB in writing by an amended Letter of Commitment.

The SWRCB will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements. We constantly review the status of all active claims, and failure to proceed with due diligence will be grounds for withdrawal of this Letter of Commitment.

You should read the terms and conditions listed in the Letter of Commitment. Also attached you will find:

- A "Reimbursement Request Instructions" package. You should retain this package for future reimbursement requests. Among other information, the package includes instructions for completion of the "Reimbursement" Request" form and the "Spreadsheet". These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in these instructions are samples of Reimbursement Request forms and completed Spreadsheets. Within the package also included are:
 - A "Bid Summary Sheet" to document data on bids received.
 - Recommended Minimum Invoice Cost Breakdown.
 - A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your Reimbursement Request.
- "Vendor Data Record" (Std. Form 204) which must be completed and returned with your first Reimbursement Request.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Dave Deaner, Manager Underground Storage Tank Cleanup Fund Program

Attachments

✓California Regional Water Quality

Control Board, San Francisco Bay Region

narkle L

Attn: Steven Ritchie

2101 Webster Street, Suite 500

Oakland, CA 94612

Alameda County EHD Attn: Ed Howell 80 Swan Way, Room 200

Oakland, CA 94621

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 000956 AMENDMENT NO:

CLAIMANT: Pfizer Inc. BALANCE FORWARD:

CO-PAYEE: None THIS AMOUNT:

\$15,000

Attn: Alan Zetterberg

235 E. 42nd Street CLAIMANT ADDRESS: NEW BALANCE: \$15,000

New York, NY 10017

TAX ID / SSA NO.: 13-5315170

Subject to availability of funds, the State Water Resources Control Board (SWRCB) agrees to reimburse <u>Pfizer Inc.</u> (Claimant) for eligible corrective action costs at <u>Pfizer-Emeryville 4650 Shellmound Street</u>, <u>Emeryville</u>, <u>CA 94662-0905</u> (Site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

- Reimbursement shall not exceed \$15,000 unless this amount is subsequently modified in writing by an amended Letter of Commitment.
- The obligation to pay any sum under this Letter of Commitment is contingent upon 2. availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the SWRCB, the SWRCB shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.
- All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
- Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.
- No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.
- Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above. б.
- Neither this Letter of Commitment nor any right thereunder is assignable by the 7, Claimant without the written consent of the SWRCB. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the SWRCB's consent.
- This Letter of Commitment may be withdrawn at any time by the SWRCB if completion of 8. corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the SWRCB this 27th day of May, 1994.

STATE WATER RESOURCES CONTROL BOARD

BY

Storage Tank Cleanup Fund Program Underground Manager,

Chief, Division Administrative Services

STATE USE : CALSTARS CODING : 0550 - 569.02 - 30530

R:3/24/94

STATE WATER RESOURCES CONTROL BOARD UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



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MARK ONLY ONE ITEM 1 NEW PERMIT 2 INTERIM PERMIT 4 AMENDED PERMIT	6 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED SITE 6 TEMPORARY SITÉ CLOSURE
I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLE	ETED).
HARCROS PIGMENTS INC	NAME OF OPERATOR 5 PIGMENTS INC
4650 SHELLMOUND ST	NEAREST CROSS STREET PARCEL # (OPTIONAL)
EMERYVILLE	STATE ZIR CODE SITE PHONE * WITH AREA CODE 510/653-6151
	OCAL-AGENCY COUNTY-AGENCY STATE-AGENCY FEDERAL-AGENCY
TYPE OF BUSINESS 1 GAS STATION 2 DISTRIBUTOR	FINDIAN OF TANKS AT SITE E. P. A. I.D. # (optional)
3 FARM 4 PROCESSOR 5 OTHER	OR THUST LANDS
EMERGENCY CONTACT PERSON (PRIMARY) Days: NAME (LAST, FIRST) PHONE # WITH AREA CODE	EMERGENCY CONTACT PERSON (SECONDARY) - optional DAYS: NAME (LAST, FIRST) PHONE # WITH AREA CODE
GROTH, WAYNE 510/653-6151 x 217	NIGHTS: NAME (LAST, FIRST) PHONE * WITH AREA CODE
SUPERVISOR 510/653-61511215	
II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)	
HARCROS PIGMENTS INC	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS DR. SUIRE 1	✓ box to indicate
PAIRVIEW HEIGHTS	STATE ZIP CODE 208 PHONE # WITH AREA CODE
III. TANK OWNER INFORMATION - (MUST BE COMPLETED)	
NAME OF OWNER SAME	CARE OF ADDRESS INFORMATION
MAILING OR STREET ADDRESS	box to Indicate Individual Local-agency STATE AGENCY
CITY NAME	CORPORATION PARTNERSHIP COUNTY-AGENCY FEDERAL-AGENCY STATE ZIP CODE PHONE ** WITH AREA CODE
IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUI	INDEED CONTROL OF CONT
TY (TK) HQ 44032206	MDER - Call (910) 322-9009 II questiotis arise.
V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE CO	
i A not parame	EXEMPTION S OF STREET SOND SEXEMPTION S OF STREET S
VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification	on and billing will be sent to the tank owner unless box I or II is checked.
CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOT	IFICATIONS AND BILLING: I
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, A	ND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
	ISINESS DIRECTOR 3/31/94
LOCAL AGENCY USE ONLY	210233 2110101 3/31 177
COUNTY# JURISDICTION	FACILITY#
000	063299
LOCATION CODE - OPTIONAL CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL
THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPL	CATION - FORM R LINE ESS THIS IS A CHANGE OF SITE INFORMATION ONLY

GENERAL INSTRUCTIONS:

SECTION 2711 OF TITLE 23, CHAPTER 16, CALIFORNIA CODE OF REGULATIONS AND SECTIONS 25286, 25287, AND 25289 OF CHAPTER 67, DIVISION 20, CALIFORNIA HEALTH AND SAFETY CODE REQUIRE OWNERS TO APPLY FOR AN UST OPERATING PERMIT.

- 1. One-FORM "A" shall be completed for all NEW PERMIT CHANGES or any FACILITY/SITE INFORMATION CHANGES.
- SUBMIT ONLY ONE (1) FORM "A" for a Facility/Site, regardless of the number of tanks located at the site.
 This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
- 4. Please type or print clearly all requested information.
- 5. Use a hard point writing instrument, you are making 3 copies.
- 6. Tank owner must submit a facility plot plan to the local agency as part of the application showing the location of the USTs with respect to buildings and landmarks [Section 2711 (a)(8), CCR].
- 7. Tank owner must submit documentation showing compliance with state financial responsibility requirements to the local agency as part of the application for petroleum USTs [Section 2711 (a)(11), CCR].

TOP OF FORM: "MARK ONLY ONE ITEM"

Mark an (X) in the box next to the item that best describes the reason the form is being completed.

- I. FACILITY/SITE INFORMATION & ADDRESS (MUST BE COMPLETED)
 - 1. Record name and address (physical location) of the underground tank(s).

NOTE: Address MUST have a valid physical location including city, state, and zip code. P.O. BOX NUMBERS ARE NOT ACCEPTABLE.

Include nearest cross street and name of the operator.

- 2. Phone number must have an area code. If the night number is the same, write "SAME" in proper location.

 3. Check the appropriate box for TYPE OF BUSINESS OWNERSHIP (ex. CORPORATION, INDIVIDUAL, etc.).
- 4. Check the appropriate box for TYPE OF BUSINESS.
- 5. If Facility/Site is located within an Indian reservation or other Indian trust lands, check the box marked "YES".
- 6. Indicate the NUMBER of TANKS at this SITE.
- 7. Record the E.P.A. 1D # or write "NONE" in the space provided.
- II. PROPERTY OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; If the same, write "SAME AS SITE" across this section. Be sure to check PROPERTY OWNERSHIP TYPE box.

III. TANK OWNER INFORMATION & ADDRESS (MUST BE COMPLETED)

Complete all items in this section, unless all items are the same as SECTION 1; If the same, write "SAME AS SITE" across this section. Be sure to check TANK OWNERS TYPE box.

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER (MUST BE COMPLETED. SEE ARTICLE 5, CHAPTER 6.75, DIVISION 20, CALIFORNIA HEALTH AND SAFETY CODE)

Finer your Board of Equalization (BOE) UST storage fee account number which is required before your permit application can be processed. Registration with the BOE will cusine that you will receive a quarterly storage fee return in reporting the \$0,006 (mills) per gallon fee due on the number of gallons placed in your USTs. The BOE will code persons exempt from paying the storage fee so returns will not be sent. If you do not have an account number with the BOE or if you have any questions regarding the fee or exemptions, please call the BOE at 916 322 9669 or write to the BOE at the following address Board of Equalization, Fuel Taxes Division, P.O. Box 942879, Sacramento, CA 94279 0001.

V. PETROLLUM US FINANCIAL RESPONSIBILITY (MUST BE COMPLETED FOR PETROLEUM US 18 ONLY, SEE SECTIONS 2711 (1)(6) OF TITLE 23, CHAPTER 16, CALIFORNIA CODE OF REGULATIONS.)

Identify the method(s) used by the owner and/or operator, in meeting the Federal and State financial responsibility requirements. USTs owned by any Fuderal or State agency as well as non-petroleum USTs are exempt from this requirement.

VI. LEGAL NOTH-CATION AND BILLANG ADDRESS 📑

Check ONE BOX for the address that will be used for BOTH LEGAL AND BILLING NOTIFICATIONS: TANK OWNER OR AUTHORIZED REPRESENTATIVE MUST SIGN AND DATE THE FORM AS INDICATED. ISEE SECTIONS 2711 (a)(13) OF TITLE 23 CHAPTER 16, CALIFORNIA CODE OF REGULATIONS.]

INSTRUCTION FOR THE LOCAL AGENCIES

The county an jurisdiction numbers are predetermined and can be obtained by calling the State Board (916) 227-4303. The facility number may be assigned by the local agency; however, this number must be numerical and cannot contain any alphabetical characters. If the local agency prefers the State Board to assign the facility number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THIS APPLICATION CANNOT BE PROCESSED IF THE BOE ACCOUNT NUMBER IS NOT FILLED IN. "THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(6) TO THE FOLLOWING ADDRESS. THE LOCAL AGENCY SHOULD RETAIN THE ORIGINALS AND FORWARD THE YELLOW COPIES TO THE FOLLOWING ADDRESS. THE PINK COPY SHOULD BE RETAINED BY THE TANK OWNER.

> STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD C/O S.W.E.E.P.S. DATA PROCESSING CENTER P.O. BOX 527 PARAMOUNT, CA 90723

FOR0120R1

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD





COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED ON SITE ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVED
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: HARCROS PIGMENTS INC
I, TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN
A. OWNER'S TANK I.D. # D B. MANUFACTURED BY: MODERN WELDING
C. DATE INSTALLED (MOIDAY/YEAR) 1990 D. TANK CAPACITY IN GALLONS: 10,000
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.
A. 1 MOTOR VEHICLE FUEL 4 OIL B. C. 12 REGULAR UNLEADED 4 GASAHOL 7 METHANOL 12 WASTE 2 LEADED 99 OTHER (DESCRIBE IN ITEM D. BELOW)
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. #:
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 96 UNKNOWN SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER
B. TANK MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE WIFRP Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER
C. INTERIOR LINING 1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 6 UNLINED 7 95 UNKNOWN 99 OTHER IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC 95 UNKNOWN 99 OTHER
E, SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE
A. SYSTEM TYPE AU 1 SINGLE WALL AU 2 DOUBLE WALL AU 3 LINED TRENCH AU 95 UNKNOWN AU 99 OTHER
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W COATING A U 8 100% METHANOL COMPATIBLE W/FRP PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL 99 OTHER
V. TANK LEAK DETECTION X
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WATER MONITORING 5 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER
VI. TANK CLOSURE INFORMATION
1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS INERT MATERIAL? YES NO
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT APPLICANTS NAME DATE / /
(PRINTED & SIGNATURE) WC GROTH WC Ghoth 3/31/94
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW
STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK # O I O O O O O O O O O O O O O O O O O
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION DATE 3 30/9 K

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED. FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

GENERAL INSTRUCTIONS:

- One FORM "B" shall be completed for each tank for all NEW PERMITS, PERMIT CHANGES, REMOVALS and/or any other TANK-INFORMATION CHANGE.
- This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK INSPECTOR.
- 3. Please type or print clearly all requested information.
- 4. Use a hard point writing instrument, you are making 3 copies.

"TOP OF FORM: "MARK ONLY ONE ITEM"

- 1. Mark an (X) in the box next to the item that best describes the reason the form is being completed,
- 2. Indicate the DBA or Facility name where the tank is installed.

I. TANK DESCRIPTION - COMPLETE ALL TIEMS - IF UNKNOWN - SO SPECIFY

- A. Indicate owners tank ID # If there is a tank number that is used by the owner to identify the tank (ex. AB70789).
- B. Indicate the name of the company that manufactured the tank (ex. ACMB TANK MFG.).
- C. Indicate the year the tank was installed (ex. 1987).
- D. Indicate the tank capacity in gallons (ex. 25,000 or 10,000 etc.)

II. TANK CONTENIS

- A. 1. If MOTOR VEHICLE FUEL, check box 1 and complete items B & C.
 - 2. If not MOTOR VEHICLE FUEL, check the appropriate box in section A and complete items B & D.
- B. Check the appropriate box.
- C. Check the type of MOTOR VEHICLE FUEL (if box 1 is checked in A).
- D. Print the chemical name of the hazardous substance stored in the tank and the C.A.S.#. (Chemical Abstract Service number), if box 1 is NOT checked in A.

III. TANK CONSTRUCTION - MARK ONE ITEM ONLY IN BOX A, B, C & D

- 1. Check only one item in TYPE OF SYSTEM, TANK MATERIAL, INTERIOR LINING and CORROSION PROTECTION.
- If OTHER, print in the space provided.

IV. PIPING INFORMATION

- Circle A if above ground; circle U if underground; and circle both if applicable.
- 2. If UNKNOWN, circle; or if OTHER, print in space provided.
- 3. Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirement for the piping.

V. TANK LEAK DETECTION

Indicate the LEAK DETECTION system(s) used to comply with the monitoring requirements for the tank.

VI. INFORMATION ON TANK PERMANENTLY CLOSED IN PLACE

- 1. ESTIMATED DATE LAST USED MONITI/YEAR (January, 1988 or 01/88).
- 2. ESTIMATED QUANITTY of HAZARDOUS SUBSTANCE remaining in the tank (in Gallons).
- 3. WAS TANK FILLED WITH INERT MATERIAL? Check 'Yes' or 'NO'.

APPLICANT MUST SIGN AND DATE THE FORM AS INDICATED.

INSTRUCTION FOR THE LOCAL AGENCIES

The state underground storage tank identification number is composed of the two digit county number, the three digit jurisdiction number, the six digit facility number and the six digit tank number. The county and jurisdiction numbers are predetermined and can be obtained by calling the State Board (916)739-2421. The facility number must be the same as shown in form "A". The tank number may be assigned by the local agency; however, this number must be numerical and cannot contain an alphabet. If the local agency prefers the State Board to assign the tank number, please leave it blank.

IT IS THE RESPONSIBILITY OF THE LOCAL AGENCY THAT INSPECTS THE FACILITY TO VERIFY THE ACCURACY OF THE INFORMATION. THE LOCAL AGENCY IS RESPONSIBLE FOR THE COMPLETION OF THE "LOCAL AGENCY USE ONLY" INFORMATION BOX AND FOR FORWARDING ONE FORM "A" AND ASSOCIATED FORM "B"(6) TO THE FOLLOWING ADDRESS.

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD C/O S.W.E.E.P.S. DATA PROCESSING CENTER P.O. BOX 527 PARAMOUNT, CA 90723



STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 1 NEW PERMIT 3 RENEWAL PERMIT 5 CHANGE OF INFORMATION 7 PERMANENTLY ONE ITEM 2 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY TANK CLOSURE 8 TANK REMOVE				
DBA OR FACILITY NAME WHERE TANK IS INSTALLED: HARCRO'S PIGMENITS INC	<u>;</u>			
I. TANK DESCRIPTION COMPLETE ALL ITEMS SPECIFY IF UNKNOWN				
A. OWNER'S TANK I.D. # G B. MANUFACTURED BY: MODERN WELDING				
C. DATE INSTALLED (MO/DAY/YEAR) 1990 D. TANK CAPACITY IN GALLONS: 1,000				
II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.				
2 PETROLEUM 80 EMPTY 1 PRODUCT 1b PREMIUM 4 GASAHOL UNLEADED 5 JET FUEL 95 UNKNOWN 2 WASTE 2 LEADED 99 OTHER (DESCRIBE IN	6 AVIATION GAS 7 METHANOL ITEM D. BELOW)			
III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A. B. AND C. AND ALL THAT APPLIES IN BOX D AND E				
A. TYPE OF 1 DOUBLE WALL 3 SINGLE WALL WITH EXTERIOR LINER 95 UNKNOWN SYSTEM 2 SINGLE WALL 4 SECONDARY CONTAINMENT (VAULTED TANK) 99 OTHER				
B. TANK 1 BARE STEEL 2 STAINLESS STEEL 3 FIBERGLASS 4 STEEL CLAD W/ FIBERGLASS REINF MATERIAL 5 CONCRETE 6 POLYVINYL CHLORIDE 7 ALUMINUM 8 100% METHANOL COMPATIBLE W/F (Primary Tank) 9 BRONZE 10 GALVANIZED STEEL 95 UNKNOWN 99 OTHER				
C. INTERIOR LINING 1 RUBBER LINED 2 ALKYD LINING 3 EPOXY LINING 4 PHENOLIC LINING 5 GLASS LINING 6 UNLINED 95 UNKNOWN 99 OTHER IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES NO				
D. CORROSION 1 POLYETHYLENE WRAP 2 COATING 3 VINYL WRAP 4 FIBERGLASS REINFORCED PLASTIC PROTECTION 5 CATHODIC PROTECTION 91 NONE 95 UNKNOWN 99 OTHER	C			
E-SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR)				
IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE				
A. SYSTEM TYPE A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER	,			
	OTHER			
C. MATERIAL AND A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE CORROSION A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/COATING A U 8 100% METHANOL COM PROTECTION A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER	IPATIBLE W/FRP			
D. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL 99 OTHER				
V. TANK LEAK DETECTION				
1 VISUAL CHECK 2 INVENTORY RECONCILIATION 3 VADOZE MONITORING 4 AUTOMATIC TANK GAUGING 5 GROUND WAT 6 TANK TESTING 7 INTERSTITIAL MONITORING 91 NONE 95 UNKNOWN 99 OTHER	ER MONITORING			
VI. TANK CLOSURE INFORMATION				
1. ESTIMATED DATE LAST USED (MO/DAY/YR) 2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING GALLONS INERT MATERIAL? 3. WAS TANK FILLED WITH YES USED TO SUBSTANCE REMAINING GALLONS INERT MATERIAL?	NO [
THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND	COPPECT			
APPLICANTS NAME (PRINTED & SIGNATURE) WCGROTH WCGASTA	4			
LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW	······································			
STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #				
PERMIT NUMBER PERMIT APPROVED BY/DATE PERMIT EXPIRATION 24152 D G X				
THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.				
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS FORM B (12-91)	FOR0034B-R6			
LOCAL AGENCY USE ONLY				
STATE COUNTY# JURISDICTION# FACILITY# TANK# TANK I.D. # 0000000	,			
THE FORM MIST BE ACCOMPANIED BY REDMIT ADDITION FORMS A S. D. TIMI ESS THEY HAVE BEEN EILED DREVIOLIS! Y	EODO035C7			

GENERAL INSTRUCTIONS:

One FORM "B" shall be completed for each tank for all NEW PERMITS, PERMIT CHANGES, REMOVALS and/or any other TANK INFORMATION CHANGE.

This form should be completed by either the PERMIT APPLICANT or the LOCAL AGENCY UNDERGROUND TANK · · · · · · 1,

2. INSPECTOR.

Please type or print clearly all requested information.

Use a hard point writing instrument, you are making 3 copies.

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INSTRUCTIONS FOR COMPLETING FORM "C": TANK INSTALLATION CERTIFICATION

GENERAL INSTRUCTIONS

- Each tank system must be in compliance with the federal and state technical standards, contained in law and regulations, for tank and piping installation.
- This certification shall be completed by either the UST owner or representative. 2.
- One certification is required for each tank system. This form shall be used to 3. make the required certification.
- Please type or print clearly all requested information (for printing, please use a 4. hard point writing instrument).
- Submit the completed certification to the appropriate Local Implementing Agency. 5.
- ollist. INSTALLATION: MARK ALL OF THE ITEMS THAT APPLY TO INDICATE THAT THE INSTALLATION REQUIREMENTS ARE MET.
- OATH: THE TANK OWNER OR AGENT SHALL CERTIFY, BY SIGNING THE CERTIFICATION, THAT THE INFORMATION PROVIDED IS TRUE AND CORRECT. THE PERSON'S NAME SHOULD BE PRINTED UNDER THE SIGNATURE.

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD CERTIFICATION OF COMPLIANCE FOR UNDERGROUND STORAGE TANK INSTALLATION



FORM C

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

	* , ,

I. SITE LOCATION	- **
STREET 4650 SHELLMOUND ST	~ .
CITY EMERYVILLE COUNTY ALAMEDA	***************************************
II. INSTALLATION (mark all that apply):	, ` ,
The installer has been certified by the tank and piping manufacturers.	
The installation has been inspected and certified by a registered professional engineer.	•
The installation has been inspected and approved by the implementing agency.	
All work listed on the manufacturer's installation checklist has been completed.	
The installation Contractor has been certified or licensed by the Contractors State License Board	l. ' ·
Another method was used as allowed by the implementing agency. (Please specify.)	
	`
	•
	,
III. OATH I certify that the information provided is true to the best of my belief and knowledge.	*
Tank Owner Agent WC Collatte Date 3/31/	94
Print Name WCGroth Phone (5/0)653	-6151
Address 4650 Shellmound St, Emeryville 94608	
LOCAL AGENCY USE ONLY	
STATE COUNTY# JURISDICTION# FACILITY# TANK# TANK I.D. # 0000000000000000000000000000000000	,

INSTRUCTIONS FOR COMPLETING FORM "C": TANK INSTALLATION CERTIFICATION

GENERAL INSTRUCTIONS

- 1. Each tank system must be in compliance with the federal and state technical standards, contained in law and regulations, for tank and piping installation.
- 2. This certification shall be completed by either the UST owner or representative.
- 3. One certification is required for each tank system. This form shall be used to make the required certification.
- 4. Please type or print clearly all requested information (for printing, please use a hard point writing instrument).
- 5. Submit the completed certification to the appropriate Local Implementing Agency.
- I, INSTALLATION: MARK ALL OF THE ITEMS THAT APPLY TO INDICATE THAT THE INSTALLATION REQUIREMENTS ARE MET.
- II. OATH: THE TANK OWNER OR AGENT SHALL CERTIFY, BY SIGNING THE CERTIFICATION, THAT THE INFORMATION PROVIDED IS TRUE AND CORRECT. THE PERSON'S NAME SHOULD BE PRINTED UNDER THE SIGNATURE.





SEP 26 1991

ENVIRONMENTAL CONSULTING & MANAGEMENT

ROUX ASSOCIATES



1350 ARNOLD DRIVE SUITE 201 MARTINEZ, CALIFORNIA 94553 510 370-2275 FAX # 510 370-2235

K

Transmittal/Memorandum

To:

Mr. Lester Feldman

Regional Water Quality Control Board

2101 Webster Street, Room 500 Oakland, California 94612

From:

Paul Supple

85

Date:

September 12, 1991

PFIZER DIGMENTS, INC.

Subject:

Third Quarter Ground Water Monitoring

Hareros Pigments Plant-4650 Shellmound Street Emeryville, California

Job No.:

HP19801W

Remarks:

Enclosed is one copy of the subject report for your files.

cc:

Mr. Gil Wistar, Alameda County Department of Environmental Health

Mr. Mike Herzog, Harcros Pigments, Inc.

CONSULTING GROUND-WATER GEOLOGISTS AND ENGINEERS

ROUX ASSOCIATES



1340 ARNOLD DRIVE SUITE 231 MARTINEZ, CALIFORNIA 94553 415 370-2275 FAX # 415 370-2235 RECEIVED

DEC 18 1390

EMERYVILLE, CALIF.

December 13, 1990

Mr. Mike Herzog Harcros Pigments, Inc. 4650 Shellmound Street Emeryville, CA 94662

Subject:

Installation and Sampling of Two Monitoring Wells Downgradient from the

Former Waste Oil Tank Pit Excavation Area at the Harcros Pigments Plant,

4650 Shellmound Street, Emeryville, California

Dear Mike:

This letter is intended to formalize our conversation today regarding the installation and sampling of two monitoring wells downgradient from the former waste oil tank pit excavation area at the Harcros Pigments Plant in Emeryville, California. As we discussed, Roux Associates has scheduled the well drilling and installation for December 20, 1990. We will resume quarterly monitoring at the Plant within approximately two weeks of the installation of these two wells. Following receipt of the laboratory reports on the first round of ground water samples (i.e. quarterly monitoring samples) collected, Roux Associates will prepare a report summarizing the recent work at the site, including the installation and sampling of monitoring wells.

Please call me if you have any questions.

Very Truly Yours,

ROUX ASSOCIATES, IN

Joseph R. DeMartini

Senior Engineer

cc:

J. Deblock, Harcros Pigments

November 20, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

Mr. Michael Herzog Harcros Pigments, Inc. P.O. Box 8215 Emeryville, CA 94662

Re: Follow-up to 9/19/90 letter from this office to Harcros Pigments, 4650 Shellmound St., Emeryville

Dear Mr. Herzog:

This office has received several reports on the above facility since our letter addressing further needs at the site. These needs related to the diesel release around the boiler. In an October 5 letter, Harcros described what actions were taken to characterize and dispose of contaminated soil and groundwater resulting from this release. This chronology was acceptable, showing that these materials were handled properly.

Subsequently, on October 22, Roux Associates submitted an amended work plan for further environmental characterization from the diesel release at the site. This addendum to the original May 29, 1990 work plan is acceptable, and work should proceed as quickly as possible.

Regarding the ongoing investigation resulting from the removal of the 11 underground tanks in December 1989, we still have not received a report on the installation of the downgradient monitoring well. This requirement was discussed in letters from this office dated March 20, and May 9, 1990; these letters also mentioned the need to sample all on-site wells on a quarterly basis.

If you have any questions about this letter, please contact me at 271-4320.

Sincerely,

Gil Wistar

Hazardous Materials Specialist

cc: Joseph DeMartini, Roux Associates (1340 Arnold Dr., Suite 231, Martinez, CA 94553)

Rafat A Shahid, Asst. Agency Director, Environmental Health

files

CONSULTING GROUND-WATER GEOLOGISTS AND ENGINEERS

ROUX ASSOCIATES



1340 ARNOLD DRIVE SUITE 231

MARTINEZ, CALIFORNIA 94553 415 370-2275 FAX # 415 370-2235

November 7, 1990

Mr. Gil Wistar Hazardous Materials Specialist Alameda County Department of Environmental Health 80 Swan Way, Rm. 200 Oakland, CA 94621

Subject:

Approval of the Work Plan for Installation of Two Monitoring Wells Downgradient from the Former Waste Oil Tank Pit Excavation Area at the Harcros Pigments Plant, 4650 Shellmound Street, Emeryville, California, dated October 22, 1990

Dear Mr. Wistar:

Thank you for your verbal approval (by phone, on November 6, 1990) of the subject Work Plan. We will be proceeding with the installation of the monitoring wells based on this verbal approval. Please send written approval of the Work Plan to Harcros Pigments, for their files. This approval should be addressed to Mr. Mike Herzog at the Harcros Emeryville Plant.

Please contact me at (415) 370-2275 if you have any questions.

Very Truly Yours,

ROUX ASSOCIATES WEST, INC.

Joseph R. DeMartini

Senior Engineer

cc: Mr. M. Herzog, Harcros, Emeryville

September 19, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

Mr. Michael S. Herzog Harcros Pigments, Inc. P.O. Box 8215 Emeryville, CA 94662

RE: Results from soil borings and excavation in the area of ruptured diesel pipeline(s), 4650 Shellmound St.

Dear Mr. Herzog:

We have reviewed the results of Roux Associates' work in the area of the diesel release, and have discussed these results and their implications with Paul Supple at Roux. Apparently, much of the remaining soil contamination (up to 2,300 ppm diesel) must be left in place, because its removal could undermine the recently installed underground tanks and pipelines.

Given this information, two additional monitoring wells must be installed downgradient of the contaminated soil areas; one well should be located east of Service Building 10, downgradient of the "hot" sidewall samples S-4 and S-5. The other well needs to be located within 10 feet and downgradient of the pit in which boring RB-28 was drilled. Existing monitoring wells that may be further downgradient of these areas are too far away to provide meaningful and timely information on the potential effect of the diesel release on groundwater.

Additionally, we need a plan for the remediation/disposal of contaminated soil as well as groundwater already pumped from the new tank backfill area. Please submit a work plan for these items by October 19, 1990. If you have any questions about this letter, please contact the undersigned at 271-4320.

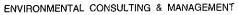
Sincerely,

Gil Wistar

Hazardous Materials Specialist

Thebert M. W. Sax

cc: Paul Supple, Roux Associates (1340 Arnold Dr., Suite 231, Martinez, CA 94553) Rafat A Shahid, Asst. Agency Director, Environmental Health files











1855 GATEWAY BOULEVARD SUITE 770 CONCORD, CALIFORNIA 94520 510 602-2333 FAX# 510 687-1258

Transmittal/Memorandum

To:

Ms. Susan Hugo

Alameda County Department of Environmental Health

80 Swan Way, Room 350 Oakland, California 94621

From:

Todd Ramsden

Date:

April 21, 1994

Subject:

First Quarter Ground Water Monitoring

Harcros Pigments Plant 4650 Shellmound Street Emeryville, California

Job No.:

19801W

Remarks:

Attached please find a copy of the subject report for your files.

cc:

Mr. Wayne Groth, Harcros Pigments, Inc.

Lo (510) 653-6151 X 217

ENVIRONMENTAL CONSULTING & MANAGEMENT

ROUX ASSOCIATES







1855 GATEWAY BOULEVARD SUITE 770 CONCORD, CALIFORNIA 94520

CONCORD, CALIFORNIA 94520 510 602-2333 FAX# 510 687-1258

94 FEB 28 PM 12: 48

February 24, 1994

51P 365

Ms. Susan Hugo Alameda County Department of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621

Dear Ms. Hugo:

On behalf of Harcros Pigments Company (Harcros), Roux Associates, Inc. has prepared this letter to request authorization to modify the schedule of ground water monitoring events at the Harcros facility located at 4650 Shellmound Street in Emeryville, California.

Quarterly ground water monitoring has been done at the site since January 1991. At present, ground water samples are collected from one well (RW-22) at the site and analyzed for volatile organic compounds using USEPA Method 8240. Historically two compounds have been detected in ground water from RW-22: cis-1,2-Dichloroethene and trans-1,2-Dichloroethene, at maximum concentration levels of 7.0 μ g/L and 6.0 μ g/L respectively. The laboratory detection limits for both of these compounds is 5.0 μ g/L.

Analysis of the ground water from RW-22 has shown that concentrations of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene have both remained below laboratory detection limits for the last four quarters. Based on this information, Harcros requests authorization to reduce the frequency of ground water monitoring to an annual schedule. This change in schedule would take place immediately. The next ground water samples will be collected in March 1994, with succeeding monitoring events taking place at twelve month intervals. Please call Todd Ramsden if you have any questions regarding this letter.

Respectfully,

ROUX ASSOCIATES INC.

Tode W Ramsd

Todd W. Ramsden, R.G.

Project Geologist

Steven Anderson, P.E.

Director

Harcros Pigments Inc.

P.O. Box 8215 4650 Shellmound Street Emeryville, CA 94662 Telephone (415)653-6151



July 11, 1990

Alameda County Department of Environmental Health Hazardous Materials Program 80 Swan way, Room 200 Oakland, CA 94621

Attention: Gilbert M. Wistar

Hazardous Materials Specialist

Re: Monitoring Wells & Soil Remediation Project

We met today with representatives of Roux Associates to discuss the schedule for work covered in their plan dated 29 May 1990.

Depending upon the availability of drilling equipment, work on the abandonment of wells RW-4 and RW-11 in the excavation area and unused well RW-8 and the installation of a new well in the former diesel tank pit will begin in two to three weeks.

We will also arrange for the excavation of the contaminated soil by Diablo Tank & Equipment. The schedule for the disposition of the soil and the installation of a second monitoring well will depend upon the extent of the excavation and the degree of contamination. We will keep you informed of progress on this project.

Michael S. Herzog Environmental/Project Manager

MSH/jm \wp\m\msh281

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

July 3, 1990

Mr. Michael Herzog Harcros Pigments, Inc. 4650 Shellmound St. Emeryville, CA 94608

Re: Work plan submitted by Roux Associates for Harcros Pigments

Dear Mr. Herzog:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the work plan to remediate diesel-contaminated soil and install monitoring wells at the Harcros pigments plant. This work plan is acceptable, and the tasks described should be implemented as soon as possible. Our only objection involves the plan to dispose of monitoring well development water contaminated with "less than 10 mg/L TPH-D" as irrigation water on-site. No water with any detectable levels of hydrocarbons may be disposed of in this manner; it may be acceptable to dispose of such mildly contaminated water to the sanitary sewer.

If you have any questions about this letter, please contact the undersigned at 271-4320.

Sincerely,

Gil Wistar

Hazardous Materials Specialist

Hiller M. Wolar

cc: Paul Supple, Roux Associates (1340 Arnold Dr., Suite 231, Martinez, CA 94553) Rafat A Shahid, Asst. Agency Director, Environmental Health files

ROUX ASSOCIATES

90 MAY 31 PM 1: 31



1340 ARNOLD DRIVE SUITE 231 MARTINEZ, CALIFORNIA 94553 415 370-2275 FAX # 415 370-2235

May 29, 1990

Mr. Gil Wistar Alameda County Health Care Services Agency Dept. of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621

Dear Gil:

Enclosed is one copy of a work plan, including a project schedule, for soil excavation and remediation and ground-water monitoring at the Harcros Pigments Plant in Emeryville. The work plan addresses those items presented in your May 9, 1990 correspondence.

I will call you at the end of this week to see if there are any questions regarding the work plan. Please feel free to call me in the meantime if you have questions.

Sincerely,

ROUX ASSOCIATES WEST, INC.

Jerry T. Wickham

Principal Hydrogeologist

JTW:jc

Enclosure

cc: Mr. Michael Herzog (3)

Mr. Wayne McCoy (2)

May 9, 1990

Mr. G. L. Metcalf, Plant Manager Harcros Pigments, Inc. P.O. Box 8215 Emeryville, CA 94662-0905 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

RE: Review of report on diesel spill and of request to reconsider monitoring well requirement, 4650 Shellmound St, Emeryville

Dear Mr. Metcalf:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the Roux Associates May 1, 1990 report on actions taken to investigate the boiler fuel release in the vicinity of the above-ground diesel piping. We have also reviewed your request for the Division to reconsider its stated requirement for the installation of a monitoring well outside of the former diesel tank pit.

With regard to the diesel fuel release, we concur with Roux Associates' recommendations on soil excavation and treatment/ removal. The only thing lacking from the Roux report is a schedule or timetable for the performance of this soil work; please let us know when this work will be performed. In addition, the two new monitoring wells, RW-22 and RW-23, need to be monitored on a quarterly basis for at least one year. This will satisfy Regional Water Board requirements for monitoring potential plume movement in local groundwater.

The Division disagrees that the request for an additional monitoring well outside of the former diesel tank pit is "redundant." While there is in fact a monitoring well about 30 feet north of the pit, this well is at best cross-gradient from the location of the holes in the one diesel tank. Water Board requirements call for a monitoring well within 10 feet of the site of fuel release, in the verified downgradient direction. According to Roux Associates' August 12, 1988 report, groundwater beneath the site flows either westward towards San Francisco Bay or towards the northwest; thus, we are requiring that you install a monitoring well west or northwest of the northwest corner of the former tank pit. Although "hydro-punching" can yield useful information in determining the best location to sink a monitoring well, this technique does not by itself satisfy the Board's groundwater monitoring requirement, for the following reasons:

 As mentioned above, wells need to be sampled on a quarterly basis, and a "hole in the ground" provides only a one-time glimpse of groundwater conditions. Mr. G. L. Metcalf May 9, 1990 Page 2 of 2

2. Because of the way a hydro-punch is constructed, samples taken from it may under-represent the actual levels of dissolved volatile constituents in the unconfined aquifer. Evaporation of these dissolved constituents is more likely to occur in a sample from an open hole than from a properly constructed monitoring well.

If you have any questions about this letter, please contact the undersigned at 271-4320.

Sincerely,

Gil Wistar

Heller M. Wisar

Hazardous Materials Specialist

cc: Jerry Wickham, Roux Associates (1340 Arnold Dr., Suite 231, Martinez, CA 94553)
Rafat A Shahid, Asst. Agency Director, Environmental Health

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CONSULTING GROUND-WATER GEOLOGISTS AND ENGINEERS

ROUX ASSOCIATES



1340 ARNOLD DRIVE SUITE 231 MARTINEZ, CALIFORNIA 94553 415 370-2275 FAX # 415 370-2235

May 2, 1990

Mr. Gil Wistar Alameda County Health Care Services Agency Dept. of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621

Dear Mr. Wistar:

Enclosed is one copy of the report titled "Diesel Fuel Site Investigation" that describes site investigation activities performed in the area where diesel fuel was detected in two monitoring wells at the Pfizer Pigments Plant in Emeryville, California. This site investigation was performed according to the procedures presented in a work plan submitted on March 8, 1990. Approval of the work plan was sent by your office to Mr. G.L. Metcalf of Pfizer Pigments Inc. in correspondence dated March 20, 1990. Based on the results of this site investigation, remedial actions have been recommended. A work plan describing the details of the remedial action will be submitted to your office by June 3, 1990.

With respect to the separate request also presented in your March 20, 1990 correspondence for installation of one monitoring well within the former diesel tank pit area, no monitoring well has been installed to date. Further clarification of the need for a monitoring well in the former diesel tank pit has been requested in separate correspondence to your office from Mr. G.L. Metcalf of Pfizer Pigments Inc. dated May 2, 1990.

Please call me if you have any questions regarding the site investigation report at 370-2275.

Sincerely,

ROUX ASSOCIATES WEST, INC.

Jerry T. Wickham

Principal Hydrogeologist

Enclosure

cc: Lester Feldman, SF Bay RWQCB
G.L. Metcalf/J. Deblock, Pfizer Pigments
Wayne McCoy, Pfizer



PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

May 1, 1990

Mr. Gil Wistar Hazardous Materials Specialist Department of Environmental Health Hazardous Materials Program 80 Swan Way, Suite 200 Oakland, CA 94621

Dear Mr. Wistar:

Your March 20, 1990 request for a monitoring well within the former diesel fuel tank pit at the Emeryville plant has been reviewed by the Pfizer corporate environmental group. A tank removal work plan (November 20, 1989) and a report describing tank removal operations, sampling results, and soil clean up (March 8, 1990) were previously submitted to your office.

Our corporate environmental group is questioning the necessity for the ground water monitoring program. Their questions and the need to consult with Roux Associates has caused a delay in our installing the monitoring well by the May 3 deadline.

The corporate group feels:

- the soil removed from the tank excavation was only slightly contaminated with the maximum concentration of 190 ppm of diesel residue in the soil.
- the soils that were left in place are clean as indicated by the side wall samples which had not detectable levels of diesel fuel.
- the tank pit was backfilled with clean fill.
- all contaminated soils were removed from the site.
- the water samples contained non detectable to 3 ppm of diesel fuel.
- an existing monitoring well is approximately 30 feet north of the former diesel fuel tank pit.

The request for an additional monitoring well is redundant.

Mr. Gil Wistar Page 2, May 1, 1990

Therefore we request that you reconsider the questions raised by our corporate group. If after addressing their concerns, you feel that a ground water sample is needed we will obtain the sample within 30 days of your decision. Please indicate whether a ground-water sample can be obtained by alternative methods to a monitoring well, such as a Hydropunch, or whether a monitoring well is required.

Sincerely yours,

G. L. Metcalf

Plant Manager

GLM/jm \wp\g\778

cc: M. S. Herzog

J. N. Deblock

W. E. McCoy



PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST, P O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

April 26, 1990

Alameda County Dept. of Environmental Health Division of Hazardous Materials 800 Swan Way, Room 200 Oakland, CA 94621

Attention: Gil Wistar

On May 1, 1990 the ownership of this facility will transfer from Pfizer Pigments Inc. to a separate company named Harcros Pigments Inc.

This transfer will not immediately affect the nature of the business but responsibility for environmental compliance will transfer to the new company. The facility will continue to report to your agency under various state and federal environmental regulations as we have in the past.

For your records, please note the name change for the facility described below:

EPA I.D. # CAD 009206178

D&B # 00-920-6178

I'may be reached at the above telephone number, extension 246, to answer any questions about the transfer.

Michael S. Herzog Manager, Process Engineering

MSH/jm \wp\m\msh336

DEPT. OF ENVIRONMENTAL HLTH HAZARD MATERIALS PROG. 80 SWAN WAY, SUITE 200 OAKLAND, CA 94621 430-4530

Telephone Number: (415)

March 20, 1990

Mr. G. L. Metcalf Pfizer Pigments, Inc. P.O. Box 8215 Emeryville, CA 94662-0905

RE: Response to work plan to investigate subsurface diesel fuel and to tank closure report/recommendations at Pfizer

Dear Mr. Metcalf:

The Alameda County Department of Environmental Health, Hazardous Materials Division, has reviewed two reports from Roux Associates, one proposing a scope of work to characterize and remediate diesel contamination, and the other summarizing the sampling results from the December 1989 tank removal. The work plan calls for five soil borings surrounding the subsurface area of free product, and three monitoring wells in this same area. The second phase of work will involve the excavation of a product collection trench (if deemed necessary), and the final phase, a summary report of all site work. We accept this approach to characterization, remediation, and reporting, with the exception that we are requiring a brief report on soil and groundwater samples to be prepared as soon as possible after results are available. This report is due May 3, 1990.

With respect to the tank removal report, we concur that soil investigation and cleanup appears to be complete. However, one monitoring well will have to be installed in the former diesel tank pit area. This well should be located within 10 feet downgradient of the tank found to have holes (the tank along the northwest corner of the pit). The report of this well's installation, sampling, and analysis will also be due to this office by May 3. As with the other monitoring wells on the premises, this well must be sampled on a quarterly basis.

If you have any questions about this letter, please contact the undersigned at 271-4320.

Sincerely,

Gil Wistar

Hazardous Materials Specialist

lbed M. Wiston

cc: Jerry Wickham, Roux (1340 Arnold Dr. #231, Martinez, CA 94553)
Lester Feldman, San Francisco Bay RWQCB
Rafat A. Shahid, Asst. Agency Director, Environmental Health
files



PFIZER PIGMENTS INC.

4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905 415 / 653-6151

March 12, 1990

Mr. Gil Wistar Alameda County Dept. of Environmental Health 80 Swan Way, Room 200 Oakland, CA 94621

Dear Mr. Wistar,

There are two (2) enclosures with this cover letter. One is the work plan that we are submitting to investigate the extent of a diesel fuel oil spill that we reported on February 6, 1990. The other is a report covering the removal of eleven underground storage tanks on December 12 and 13, 1989.

Please let me know if you need any more information.

G. L. Meccarr

cc: Regional Water Quality Control Board 1800 Harrison St., Suite 700 Oakland, CA 94612

Enclosures

 $\sqrt{wp}a/26$

	UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT						
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INSTRUCTIONS

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procedures have been followed if required.

REFORED 3"

The your name, tolerone number, and address. Indicate which party you represent and arryide company on agency name.

RESPONSING PARTY FRIEDRONE number, contact person, and address of the party responsible for the law. The responsible party would normally be the tank owner.

SITE LOCATION Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full oddress.

IMPLEMENTING AGENCIES

Enter raths of the local agency and Regional Water Cuality Control Board involved.

SUBSTANCES INVOLVED FILLER UNFORCED THE HAZARdour Substance involved. Room is provided for internation on two substances if appropriate. If more than two substances leaked, list the two of most content for clearup.

PISCOVERY/ASATEMENT
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CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status should refor to the status of the ground water investigation or cleanup, as exposed to that of shill.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR CENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTIVE

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COMMENTS - use this space to elaborate on any aspects of the incident. SIGNATURE - Sign the form in the space provided. RISTRIATION

If the form is completed by the tack owner on his agent, retain the last copy and feward the remaining copies in tack to your local lack demnituing agency for distribution.

1. Original - Local Tank Permitting Agency

 State Water Resources Control Board, Division of Water Quality. Uncerground Tank Program, P. C. Box 160, Sacrapholo, CA 95891

3. Regional Water Quality Control Scarc

 County Board of Supervisors or ces give to incelve Protosition 65 notifications.

5. Owner/responsible worty.

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8	4650 Shellmound Street, Emeryville, A	lame	eda 9 4608		c	OUNTY ZIP
SIE	CROSS STREET TYPE OF AREA		RCIAL 🔀 INDUSTRIAL	RURAL	TYPE OF BUSINES	
	Christie RESIDENTIAL	OTI-	HERCONTACT PERSON		FARM X	OTHER
IMPLEMENTING AGENCIES	LOCAL AGENCY NAME Alameda County Health Services		Gil Wistar	•	•	()
ENEN	REGIONAL BOARD		77			PHONE
¥ A A	Region 2 San Francisco	٠. ا	RW-QCB	Ú.		#15) 464-1255
ES C	(1) NAME	E			C	QUANTITY LOST (GALLONS)
TANCI	Unknown diesel fuel		1.2 1.53.250.1			X UNKNOWN
SUBSTANCES INVOLVED	(2) A		1 V 26 % 2	, «#·		UNKNOWN
\vdash	DATE DISCOVERED HOW DISCOVERED	INVEN	TORY CONTROL 🔀	SUBSURFACE	MONITORING	NUISANCE CONDITIONS
RY/ABATEMENT	O N 1 N 2 D 2 D 9 V O V TANK TEST		REMOVAL	OTHER	IFOVAL TIATA	in v
Y/ABA	DATE DISCHARGE BEGAN		METHOD USED TO STOP		REPLACE TANK	CLOSE TANK
	M M D B Y Y Y AS DISCHARGE BEEN STOPPED?		REPAIR TANK	<u>k</u>	REPAIR PIPING	CHANGE PROCEDURE
DISCOVE	YES NO FYES, DATE M M D D Y	Y	OTHER	V	alve	()
썷	SOURCE OF DISCHARGE TANKS ONLY/CAPACITY	* .	MATERIAL	1	CAUSE(S)	
SOURCE/CAÚSE	TANK LEAK UNKNOWN N/A GA	iAL :- 'RS	STEEL	-4c + 76 cm	ÖVERFÍL CORROS	RUPTURE/FAILURE:
S.	X PIPINGLEAK AGE YF OTHER Valve Leak UNKNOWN		OTHER		· SPILL	OTHER
	CHECK ONE ONLY	,			, , , , , , ,	
CASE	UNDETERMINED SOIL ONLY & GROUNDWATE	ER <i>j</i> ^_[DRINKING WATER -	(CHECK ONLY I	F WATER WELLS H	AVE ACTUALLY BEEN AFFECTED)
i s	CHECK ONE ONLY	; 	T OF EARLING IN DECORDS	ee [] eignis	ED OFF (C) FANI ID	COMPLETED OR UNNECESSARY)
CURRENT	SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM NO ACTION TAKEN POST CLEANUP MONITORING IN PROG		NO FUNDS AVAILA			UATING CLEANUP ALTERNATIVES
-	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)	, द्रापुर		5		
4 8 8	CAP SITE (CD) EXCAVATE & DISPOSE	(ED)		E PRODUCT (FI	• 5	NHANCED BIO DEGRADATION (IT)
REMEDIAL	CONTAINMENT BARRIER (CB) EXCAVATE TREAT (E	1 6 C 2 E		AT GROUNDWA	TER (GT)	REPLACE SUPPLY (RS)
Ē	TREATMENT AT HOOKUP (HU) NO ACTION REQUIRED	1 1	THE HOLDER	Und	er study	
2	Some fuel was observed in monitoring w	•	on 1/22/90.	Source	and quan	tity of fuel at
COMMENTS	that time was unknown. Additional wor	ck or	n 2/2 indicat		_	* .
ğ						
			-			HSC 05 (4/87)

TWST GROTHOR'S

ESSERGENCY Indicate whether emergency response personnel and equipment were involved at any time. If so, a hazarcous Material incident Report should be filled with the State Office of Emergency Services (CES) at 280" Mpacowview Road, Sacrimento, CA 95632. Copies of the OES report form may be obtained at your local underground sinnage tank permitting agency. Incinate wrether the OFS report has been filed as of the date of this report.

LOCAL AGENCY Che' To avoid distribute notification pursuant to Health and Safety Code Section 25190.7, a designated government amployee should sign and case the form in on's block. A signature neve does not rear that the look has been determined to pose a significant trovet to human health or safety, only that notification procedures have been followed if required.

Frier your nary, teleprone rupber, and address. Indicate wrich party you represent and provide company or aderey name.

Enter name, telephone number, contact person, and address of the party. responsible for the leak. The responsible party would normally be the tank OWING.

Fri n information regarding the tank facility and surrounding area. At a ginimum, you must begards one facility name and full address.

DIPLEMENTING ARENOLES Enter haves on the local agency and Rhomasal water Cublity Control source involved.

SHASTANCES INVOLVED Enver the neme and quarters lost of the hazandous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for c'ennuy.

SISCOVERY/ABATEMENT Provide information recording the Miscourry and acritoment of the Took.

Indicate sparce of or leak. Provide details on tare ages capacity and ruterial if known, Check box(ex) indicating cause of leak.

indicate the case upper category for triality. Crock one box only. Case wife is pased on the most sensitive resource affected. For example, if with soil and ground water have been asfected, case type will be 'Greate Water's Lacicate Dranking water' only of one or more municipal or demostic water wells have acqually been afferted. A 'Ground witch' ansignation dons not immly that the different water cannot be, or is not, used for in thing water, but only that water wells have not you been affected. It is understood that case type may change upon further tryestin tion.

CURRENT STATES Indicate the category which best describes the current status of the case. . Chack one box only. The response should be relative to the case type. For exemple, fi case type is "dround water", trop "Cornert Status" should refer to the status of the ground water investigation or clearup, as opposed to that of Sufil.

HAP JR TART - THE EMPORATION PROMIDED OF THIS FORM IS INTERESO FOR CENERAL STATISTICAL PURPOSES INLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY SOVEPAMENTAL ACENCY

REMEDIAL ACTION Indicate which actions have been used to disanup or remadiate the 'bak. Reservations of options follow:

Cap Gita - install nomizontal importmeable layer to reduce reinfall . infillration.

Somtainment Burrier - Install vertical dike to block horizontal severent of contaminant.

Excavate and Dispage - memore contaminated son' and dispose in approved

Excepate and inext - remove contaminated soil and theat (took so easing or and terring.

Remove Troe Prompt; - remove floating preduct from water 1

Pump and Theat Croundwater - generally employed to remove

Franched Gifedegraphetion - use of dry dvariable technology 😭 proveto pacternal decomposition of contaminancs.

Roplace Supply - provide alternative water surply to affect

Treatment as 'coxup - instat' water treatment revises at the swelling or other place of use.

No Action Required - incident is miron, requiring re were the action.

CONSISTED A 198 this someone to Alaborate on any aspects of the His denta STANGILAL - Ston the form in the space provides. CISTREBUTION

If the form is completed by the teak every or his agrau, retain the last conf and forward the regarding copies in test to your local tark remitting against for distribution.

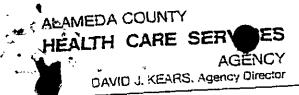
. Original - local lank Permitting Agency

2. State Water Resources Control Board, Division of Water Quality. Underground Tank Hoogram, P. G. Box 191, Secremento, CA 98891

3. Regional Water Wallity Corural Roserd

i. Sounty Board of Schervisors or designed to receive Proces wor of ายที่รักสถาการ

5. Cappricesuppeinte party.





DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415) 271-4320

FACSIMILE TRANSMITTAL

TO:	653 ~ 0566 Fax Phone Number	Floor/Room #
	Name: Jim Deblock	Title/Section
	Agency: Pfiner Pigments	
	Address:	
	Phone #: ()	
FROI	M: 568-3706 Fax Phone Number	Floor/Room #
	Date: 1/5/90	Time Sent: 2:15 p.m.
	sender: Sil Wislan	Title/Section
; ·	Phone #: 1 271-4320	ń
	Number of Pages Including Transmit	tal Sheet:
	Special Instructions/Comments:	



January 5, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415) 271-4320

Mr. Jim Deblock Materials Manager Pfizer Prognesso 4650 Shellmound 20. Emergille, CA 94608

ALAMEDA COUNTY HEALTH AGENCY

Gil Wistar Hazardous Materials Specialist



DIVISION OF HAZARDOUS MATERIALS
DEPARTMENT OF ENVIRONMENTAL HEALTH
80 Swan Way, Rm. 200, Oakland, CA 94621 • (415) 271-4320

Dear mr. Deblock:

County has no objections to disposing of wastewards from underground tank removal activities into the Phizer Plant's wastewater treatment system. We are assuming that this water has very low levels of dissolved hydrocarbons, and that the input of this water into the plant's treatment system will not cause chemical concentrations in The system's effluent to exceed levels specified in Phizer's EBMUD waste Discharge Permit,

Sincerely, The Wiston Hazardous Materials Specialist

	UNDERGROUND STORAGE TANK UNAUTHORIZED F	RELEASE (LEAK) / CONTAMINATION SITE REPORT
	YES X NO REPORT BEEN FILED? YES X NO 1H	OR LOCAL AGENCY USE ONLY REREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE PORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF E HEALTH AND SAFTY CODE.
1 .	M 2 M 1 d 5 d 8 y 9 y	NED DATE
	NAME OF INDIVIDUAL FILING REPORT PHONE	SIGNATURE
REPORTED BY	REPRESENTING OWNER/OPERATOR REGIONAL BOARD CO	DMPANY OR AGENCY NAME
REP(ADDRESS	neryville CA 94662-0905
3		NTACT PERSON PHONE
NSIB RTY	Pfizer UNKNOWN	()
RESPONSIBLE PARTY	SIREC	YVille CA 94662-0905
	,	PHONE
MOIT	Pfizer Pigments Plant	(415) 653-6151
SITE LOCATION	4650 Shellmound Street Emer	yville Alameda (CA) 94662-1905
ळ		CIAL X INDUSTRIAL RURAL TYPE OF BUSINESS RETAIL FUEL STATION R X FARM OTHER Plant
/B	011111111111111111111111111111111111111	R X FARM OTHER Plant DITACT PERSON PHONE
IMPLEMENTING AGENCIES	Alameda County Environmental Health	Mr. Gil Wistar (415 271-4320
ENC	REGIONAL BOARD	PHONE PHONE
IMPL AC	S. F. Bav Area	() .
		QUANTITY LOST (GALLONS)
ŠČ.	Diesel Fuel	X UNKNOWN
SUBSTANCES INVOLVED	(2)	UNKNOWN
		RY CONTROL SUBSURFACE MONITORING NUISANCE CONDITIONS
YY/ABATEMENT	1 M 2 M 1 D 3 D 8 V 9 V TANK TEST T TANK TEST	MOVAL OTHER
ABAT	DATE DISCHARGE BEGAN ME	THOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
		REMOVE CONTENTS REPLACE TANK CLOSE TANK
DISCOVE	HAS DISCHARGE BEEN STOPPED?	REPAIR TANK REPAIR PIPING CHANGE PROCEDURE
_	m n o o o	OTHERTERIAL CAUSE(S)
SOURCE/CAUSE	TANK LEAK UNKNOWN 10,000 GAL.	FIBERGLASS OVERFILL RUPTURE/FAILURE
200	PIPING LEAK AGE YRS	T STEEL TO CORROSION UNKNOWN
Š	OTHER X UNKNOWN	OTHER SPILL OTHER
CASE	CHECK ONE ONLY UNDETERMINED SOIL ONLY GROUNDWATER	DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
_	ONE OF OTHER	
AEN TUS	SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM)	CLEANUP IN PROGRESS SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY)
CURRENT STATUS	NO ACTION TAKEN POST CLEANUP MONITORING IN PROGRESS	NO FUNDS AVAILABLE TO PROCEED EVALUATING CLEANUP ALTERNATIVES
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)	
ED NO	CAP SITE (CD) X EXCAVATE & DISPOSE (ED)	REMOVE FREE PRODUCT (FP) ENHANCED BIO DEGRADATION (IT)
REMEDIAL ACTION	CONTAINMENT BARRIER (CB) EXCAVATE & TREAT (ET)	PUMP & TREAT GROUNDWATER (GT) REPLACE SUPPLY (RS)
<u> </u>	TREATMENT AT HOOKUP (HU) NO ACTION REQUIRED (NA)	OTHER (OT)
2	This tank filled only once in its lifetime.	. Tank gauges were made routinely with the
COMMENTS	loast inventory reading before tank removal	1 logged at 32 inches (or 28/8 garrons,
IŽ	No. 2 diesel)	

ISSIDUCTIONS

INCLOSE whether emergency response personnel and equipment were involved at any time. If so, a hazardous Material incident Report should be filed with the State Office of Emergency Services (CES) at 2800 Meedownew Road, Secramento, CA 93832. Copies of the OES report form may be obtained at your local underground stronge tank permitting agency. Indicate wrether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid diplicate notification pursuant to Health and Safety Gode Section 25:02.7, a postgrated government employee should sign and cate the form in this piece. A signature here does not mean that the leak has been determined to pose a significant threat to numan health or safety, only that notification procedures have been followed if required.

Frier your name, telephone rumper, and address. Indicate which party you represent and provide company or adjency name.

RISPONSIBLE PARTY
Fright note, telephone number, contact person, and address of the party
responsible for the leak. The responsible party would normally be the tack
owner.

SITE LOCATION regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES Enter rares of the local agency and Regional Water Outlify Control Board involved.

SHRYTANCES INVO YED Enter the hazardous substance involved. Room is provided for information on two substances if appropriate. If were then two substances 'eaked, list the two of most concern for cleanup.

EISCOVERY// MATERIAL PROvided in the discovery are acaterion of the lack.

SOURCE/CAUSE

TRAITING Source(s) of leak. Provide cottains on tank ago; capacity and material if known. Oneck box(es) andicating cause of leak.

CASE TYPL
Indicate the case type category for this leak. Greek are box only. Sase type
is assed on the most sensitive resource affected. For example, if both soil
and ground water naw reer affected, case type will be "Shound Water".
Indicate 'Uninking Water' only if one or more municipal or domestic water
wells have accually been affected. A 'Cround Water' designation does not
imply that the affected water cannot be, or is not, used for drinking water,
but only that water wells have not yet been affected. It is understood that

CLAREN' STATUS
Indicate the category which best describes the current status of the case.
Check one box only. The response should be relative to the case type. For example, if case type is "Around water", then "Cornent Status should refer to the status of the ground water investigation or cleanup, as opposed to that of

IMPOR ART: INF INFORMATION PROVIDED ON THIS FORM IS INTERDED FOR CENURAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE DEFICIAL POSITION OF ANY GOVERNMENTAL ACENCY

REMETIAL ACTION
Indicate which actions have been used to cleanup or remodiate the leak.
Descriptions of polions fullow:

(an Site - install monizental importable layer to reduce rainfel' iffiltration.

Containment Barrier - install vertical dike to block horizontal revenent of contaminant.

Excavate and Dispose - remove contaminates soni and dispose in approved

Excavate and Irea: - rereva concarriated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to redove dissolved contaminents.

Financed Biolegradation - use of any available technology to protecte bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected

irrestment at "ookup - instal" water treatment devices at each emeling or other place of use.

NO Action Required - inclident is minor, requiring no recental action.

COMENIS - use this space to elaborate or any aspects of tan incident. SIMATURE - Sign the form in the space provided.

If the form is completed by the tank owner on his agent, retain the last copy and forward the remaining copies in that to your local tank permitting agency for kistrib.com.

. Wighnal - Local Tank Permitting Agency

 Stale water Resources Control Board, Division of Water Quality, diserground Tank Program, P. O. Box 100, Jaconsmento, CA 95801

3. Regiona' Water quality Control Board

 County board of Supervisors or designed to receive Proposition 65 notifications.

5. (whereresporsible party.

	UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT						
Ţ		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNME REPORTED THIS INFORMATION TO LOCAL OFFICIALS PUTTHE HEALTH AND SAFTY CODE.	ENT EMPLOYEE AND THAT I HAVE RSUANT TO SECTION 25180.7 OF				
RĘP	ORT DATE CASE #						
1	4 2 M 1 d 5 d 8 y 9 y	SIGNED	DATE				
	NAME OF INDIVIDUAL FILING REPORT PHONI						
β		5)653-6151	· · · · · · · · · · · · · · · · · · ·				
100	REPRESENTING WNER/OPERATOR HEGIONAL BOARD	COMPANY OR AGENCY NAME					
неРОЯТЕВ ВУ	LOCAL AGENCY OTHER	Pfizer					
)H	ADDRESS 4650 Shellmound Street	Emeryville CA	94662-0905				
ш	NAME	CONTACT PERSON	PHONE				
ask FE	Pfizer unknown		()				
RESPONSIBLE PARTY	4650 Shellmound Street En		94662-0905				
\$e, 4 ·	FACILITY NAME (IF APPLICABLE)	OPERATOR TO THE SECOND STATE OF THE SECOND STA	PHONE				
ğ	Pfizer Pigments Plant		(415) 653-6151				
SITE LOCATION	ADDRESS		04660 1608				
), S ju	STREET		94662-1905 OUNTY ZIP				
2		MERCIAL X INDUSTRIAL RURAL TYPE OF BUSINE	TE ME FOEL STATION				
	Vis. 1940 19 Carlo	OTHER X FARM	OTHER Plant				
S ₹	LOCAL AGENCY AGENCY NAME Alameda County Environmental Healt	CONTACT PERSON	PHONE				
		Mr. Gil Wistar	(415) 271-4320				
MPLEMENTING AGENCIES	REGIONAL BOARD		PHONE				
_	S. F. Bay Area		HANTING COT COLLOWS				
Si o	(1) NAME	· · · · · · · · · · · · · · · · · · ·	RUANTITY LOST (GALLONS)				
MA	Diesel Fuel		UNKNOWN				
SUBSTANCES INVOLVED	(2)		UNKNOWN				
⊢	DATE DISCOVERED HOW DISCOVERED INV	ENTORY CONTROL SUBSURFACE MONITORING	NUISANCE CONDITIONS				
Y/ABATEMENT	1 M 2 M 1 D 3 D 8 V 9 V TANKTEST X TAN	K REMOVAL OTHER	*				
1	DATE DISCHARGE BEGAN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT AP	PLY)				
	M M D D Y Y Y UNKNOWN	REMOVE CONTENTS X REPLACE TANK	CLOSE TANK				
DISCOVER	HAS DISCHARGE BEEN STOPPED?	REPAIR TANK REPAIR PIPING	CHANGE PROCEDURE				
ă	X YES NO FYES, DATE M M O O V	V OTHER	, , , , , , , , , , , , , , , , , , , ,				
USE	SOURCE OF DISCHARGE TANKS ONLY/CAPACITY	MATERIAL CAUSE(S)	· · · · · · · · · · · · · · · · · · ·				
SOURCE/CAUSE	X TANK LEAK UNKNOWN 10,000 angal.						
E S	PIPING LEAK AGE YRS	X STEEL X CORROS					
8	OTHER X UNKNOWN	OTHER SPILL [OTHER				
CASE	CHECK ONE ONLY	DOMESTIC MATER VALUE OF VIEW TERMS OF LOT	AVE ANTHALL VICEN APPROVED				
36	42	DRINKING WATER - (CHECK ONLY IF WATER WELLS H	AVE ACTUALLY BEEN AFFECTED)				
K S	CHECK ONE ONLY SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM)	CLEANUP IN PROGRESS SIGNED OFF (CLEANUP	COMPLETED OR UNNECESSARY)				
CURRENT	NO ACTION TAKEN POST CLEANUP MONITORING IN PROGRESS		JATING CLEANUP ALTERNATIVES				
0 "	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)	TO PORTO AVAILABLE TO TROOLED TO TAKE	SATING OLDANO, ACTEMIATION				
3 2	•	REMOVE FREE PRODUCT (FP)	NHANCED BIO DEGRADATION (IT)				
REMEDIAL	CONTAINMENT BARRIER (CB) EXCAVATE & TREAT (ET)		EPLACE SUPPLY (RS)				
湿폭	TREATMENT AT HOOKUP (HU) NO ACTION REQUIRED (NA)	OTHER (OT)	,				
		· · · · · · · · · · · · · · · · · · ·					
			had madden evel to he had a				
\S	This tank filled only once in its lifeting	me. Tank gauges were made rou					
COMMENTS							

ERSTRUCTIONS

Increase smother emergency restonse personnel and equipment were involved at any time. If so, a fazardous Material Incident Report should be filed with the State Office of Emergency Services (CES) at 2800 Meacowriew Road. Secrements. A 95802. Copies of the OES report form may be obtained it your local underground streage tank permitting agency. Incidits whether the OES report has been filed as of the date of this report.

100AL 46ExCT CRL*
To 3007d dupl*Cate notification pursuant to Howlth and Safoty Code Section 25195.7, a designated government employee should sign and date the forming this block. A signature nere does not mean that the leak has been determined to pase a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY thrown, seleptions number, and educess. Indicate which party you represent and provide company on address name.

RESPONSIBLE PARTY Enter turber, contact person, and address of the party responsible for the law. The responsible party would normally be the tank owner.

SITS LECATION FROM The regarding the tank facility and currounding area. At a minimum, you must provide the facility name and full address.

MAPLEMENTING AGENCIES

Enformance of the local agency and Regional Mater Cuality Control doard
involved.

SUBSTANCES INVOLVED ENTER UP TO SEE OF the hazardous substance involved. Room is provided for information on two substances if counspriate. If tone that two substances leaded, list the two or most concern for cleanut.

CISCOVERY/ANATSMENT
Provide information regarding the discovery and adaptement of the lack.

"notests source(s) of "eak. Provide coths"s on task age; capacity and notestal if known. O'ec. box(es) indication cause of lusk.

CASE FYPE Indicate the cush type casegor; for this loak. Creck one box only. Case type is also don the most sensitive resource affected. For example, if both shi and ground water have been a facted, ease type will be "Ground Water". Indicate Uninking water' only if one or more municipal or domestic water wells have actually been offected. A "Ground Water designation does not intly that the offector water cannot be, or is not, used for dranking water, but only that water wells have not yet been iffected. It is understood that case type may change upon further investigation.

CLARENT STATUS
THATCATE THE CALMEGORY which post describes the current status of the case.
Check one has only. The response should be relative to the case type. For example, if case type is "Grund Water", then "Current Status" should refer to the status of the grand water investigation or cleanup, as opposed to that of

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR CENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUCT AS REPRESENTING THE OPPICIAL POSITION OF ANY GOVERNMENTAL ACENCY.

REMEDIAL ACTION Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Sine - instail porizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vartical dike to block horizontal wovement of containment.

Excavate and Dispose - remove contaminated son' and dispose in approved site.

Excavate and Treat - memove contaminated soil and theat (includes spreading or land tarafag).

Remove Free Product - remove Floating product from water table.

Purps and Threat Groundwater - generally employed to remove disso'incl

Enhances Riosegrandtion - use of any aver able technology to promote becomes decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

our creatment at $\mbox{\ }^{4}$ cox. $\mbox{\ }^{4}$ - install water treatment devices at each swelling or other place of use.

to Action Required - incident is riror, requiring to reregial action.

COMMENTS - use this space to elaborate on any aspects of the incident. STOMAR RE - Sign the form in the space provides.

If the form is completed by the tank owner on his agent, retain the last dody and forward the remaining dopies in tack to your local tank permitting igency for distribution.

. Original - Local Tank Permitting Agency

 State Water Resources Control Beard, Division of Water Quality, Underground Tank Program, P. C. Box 100, Sacramento, CA 95801

3. Regional Water Challing Control Board

 County Board of Supervisors of designed to receive Proposition 65 Botifications.

Cwner/responsible party.

-env.health white yellow -facility pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200 Oakland, CA 94621 (415) 271-4320

Hazardous Materials Inspection Form

100		######################################	Site Site Name Physe, Inc. Todays 13,89
II.A	BUSINESS PLANS (Title 19)		ID # Name
	1. immediate Reporting2. Bus. Plan Sids3. RR Cars > 30 days	2703 25503(b) 25503,7	Site Address 4650 Shellmound St.
	4. Inventory Information 5. Inventory Complete	25504(a) 2730 25504(b)	City Emergrille Zip 94608 Phone
	6. Emergency Response 7. Training 8. Deficiency	25504(c) 25505(a)	MAX AMT stored > 500 lbs, 55 gal., 200 cft.?
	9. Madification	25505(b)	Inspection_Categories:
li.B	ACUTELY HAZ. MATLS	25533(a)	H. Business Plans, Acute Hazardous Materials
	11. Form Complete 12. RMPP Contents 13. Implement Sch. Regid? (Y/N)	25533(b) 25534(c)	_i/_ III. Underground Tanks
	14. OffSite Conseq. Assess. 15. Probable Risk Assessment	25524(c) 25534(d)	Calif, Administration Code (CAC) or the Health & Safety Code (HS&C)
	16. Persons Responsible 17. Certification 18. Exemption Request? (Y/N)	25534(g) 25534(l) 25536(b)	Comments: 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4
	19. Trade Secret Requested?	25538	Continuation of tank removal from yesterday
111.	UNDERGROUND TANKS (Title	23)	Dank #1 and Dank #2 are the first to
General	1. Permit Application 2. Pipeline Leak Detection	25284 (H&S) 25292 (H&S)	be removed, from the porth side of the pit. Both
9	3. Records Maintenance 4. Release Report 5. Closure Plans	2712 2651 2670	Tank are P3-type cathodically protected trank, in
	6. Method 1) Monthly Test		Danks #7,8, and 9 are also the P3 type
	Daily Vadose Semi-annual gnawater One time solls		and are in good condition. Dank 7 contained
5	Oaily Vadose One time soils Annual tank test		Burker Oil rather Than diesel.
ng Tank	4) Monthly Gnowater One time sols 5) Daily Inventory		
r Existi	Annual tank testing Contiple leak det		Dank 11 (2,000-gal. gasoline) is tax coated,
Monitoring for Existing	Vadose/gndwater mon. 6) Daily Inventory Annual tank testing		Lut does a not appear to have any corrosion
Monito	Cont pipe leak det 7) Weekly Tank Gauge Annual tank tstraj		A D D ALL COMO D SALES OF THE S
	8) Annual Tank Testing Daily Inventory 9) Other	(-	E) Jane # 10 willed with holes along clams -
	7. Precis Tank Test Date:	2643	along side of tank
	8. Inventory Rec. 9. Soil Testing . 10, Ground Water.	2644 2646	8 additional soil samples collected from diesel
	11.Monitor Pian	2647	pit, and 2 from gasoline tank out. Stockpuled soil
New Tanks	12.Access. Secure 13.Plans Submit 	2634 2711	from diesel out will be analyzed per RWQCB miss
ž	14. As Built Date:	2635	(TPH-Donly). Water will be sunped from
Rev	6/88		both sits and allowed to while for sampling tomorrow.
			II, III
	Contact: _		
	Title:		Inspector:

Signature:

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ALAMEDA COUNTY, DEPARTMENT OF **ENVIRONMENTAL HEALTH**

80 Swan Way, #200 Oakland, CA 94621 (415) 271-4320

Hazardous Materials Inspection Form

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ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200 Oakland, CA 94621 (415) 271-4320

Hazardous Materials Inspection Form

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Contact:

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Inspector:

Signature:

Tilbert m. Wiston

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION 80 SWAN WAY, ROOM 200

These plans have been reviewed and found to be accept-

DEPARTMENT OF ENVIRONMENTAL HEALTH 470 - 27th Street, Third Floor Telephone: (415) 874-7237 Oakland, CA 94612

Damiss be such that the such Building Into tion Day that to determine if such Building Into tion Day that to determine if such and Notify this Department at least 48 hours prior to Afollowing required inspections:

Removal of Tank and Piping
Sampling OAKLAND, 94621 CA \$15/271-4320 Day of these acreator of a must be on the inb and bavailuble to all confractors are craftsmen involved with Other removel.

Any rhamp or alternations of white plans and must be submited to the fire and district to the fir Removel of Tank and Piping

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Final Inspection

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THERE IS A FINANCIAL PENALTY FOR NOT

OBTAIN NO THEEE NOPECTIONS.

OBTAIN NO THEEE NOPECTIONS. able and essentially meet the requirements of State and local health laws. Changes to vour plans indicated by this Department are th assurp comp once with State and local laws. The project proposed him is now released for issulance of any required building a mits for construction.

1.	Business Nam	e Prizer Pigments Inc.			
	Business Own	er As Above			
2.	Site Address	4650 Shellmound Stre	eet		_
	city Emery	ville, CA	Zip 94608	Phone 415-653-6151	
3.	Mailing Addr	ress PO Box 8215			
		ille, CA	Zip 94662-0905	Phone	
4.	Land Owner _	Pfizer Pigments Inc.			_
	Address		City, State	Zip	
5.		CAD009206178			
6.	Contractor _	Diablo Tank & Equipmen	nt		
	Address	4030 Pacheco Blvd.			
	City Mart	inez, CA		Phone 372-3342	
	_	ce Contractor	ID# <u>528287</u>		
7.	_ -	Roux Associates			
• •		1430 Willow Pass Road, #	‡1 4 0		
		Concord, CA		35-8742	

8.	Contact Person for Investigation	
	Name Michael Herzog	Title Manager, Process Engineering
	Phone 415-653-6151, Ext. 246	
9.	Total No. of Tanks at facility	11
10.	Have permit applications for all to office? Yes [x]	
11.	State Registered Hazardous Waste T	ransporters/Facilities
	a) Product/Waste Tranporter	
	Name Chemical Waste Management	EPA I.D. NoCAT000646117
	Address 35251 Old Skyline Road	
	City Kettleman City	State CA Zip 93239
	b) Rinsate Transporter	EPA I.D. No. <u>CATCOCC46117</u>
		EPA I.B. No. <u>CATCOCC46117</u> HA2 #0034
	Address As Above	
		State Zip
	c) Tank Transporter HAH Ship Name Chemical Waste Mahagement	EPA I.D. No
	Ac Aborro	
	City	State Zip
	d) Tank Disposal Site (if hazardous AVA Ship Name Chemical Waste Management	EPA I.D. No. <u>CATOOO646117</u>
	Address As Above	
	City	State Zip
	e) Contaminated Soil Transporter	
	Name Chemical Waste Management	EPA I.D. No. CAT000646117
	Address As Above	
	City	State Zin

12.	Sample	Collector		
	Name			
		any Roux Associates		
	Addr	ess 1430 Willow Pass Road,	#140	;
	City	Concord Sta	te <u>CA</u> Zip <u>94520</u>	Phone 415-685-8742
13.	Sampli	ng Information for each	tank or area	
				T
		Tank or Area	Material sampled	Location & Depth
Capa	acity	Historic Contents (past 5 years)		'
(9) 10,000-(1) 10,000-(1) 1,000-(1)	gallon 1	unker C Fuel Oil		
14.	If yes	anks or pipes leaked in , describe. Soil samples andings the eleven tanks. No	were collected in sev	en shallow soil borings
	samples	s. One sample contained 440	ppm TPH as diesel.	
15.		ethods used for rendering, describe.	4	s [X] No []
	-	/ (
	<u></u>			
		losion proof combustible nertness.	gas meter shall	be used to verify
16.	Labora	tories		
	Name _	Curtis & Tompkins Ltd.		
	Addres	ss 2323 Fifth Street		
			_ StateCA	Zip 94710
		Certification No.	150	•

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Diesel		8020 (BTEX)
Diesel	3550	TPH as diesel (DHS Method)
Bunker C Fuel Oil	3550	SMWW503E
Gasoline	5030	TPH as gasoline (DHS Method)
Gasoline		8020 (BTEX)
		,
		1

- 18. Submit Site Safety Plan
- 19. Workman's Compensation: Yes [x] No []

 Copy of Certificate enclosed? Yes [x] No []

 Name of Insurer State Compensation Insurance Fund
- 20. Plot Plan submitted? Yes [x] No []
- 21. Deposit enclosed? Yes [x] No []
- 22. Please forward to this office the following information within 60 days after receipt of sample results.
 - a) Chain of Custody Sheets
 - b) Original Signed Laboratory Reports
 - c) TSD to Generator copies of wastes shipped and received
 - d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Saftey and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type)

Diablo Tank and Equipment

Signature

Date

| 11/21/89 |

Signature of Site Owner or Operator

Name (please type)

Signature

Date

Date

| 20 Nov' | 89 |

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Cholo CEITINION E OF III	11/17/89
FROCUCEP. X MARIO L. BASSO & CO., INC. 821 HOWARD STREET	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
SAN FRANCISCO, CA. 94103	COMPANIES AFFORDING COVERAGE
	COMPANY A ILLINOIS UNION
'NSURED	COMPANY B TRANSAMERICA INS. CO.
DIABLO TANK AND EQUIPMENT CO. 4030 PACHECO BLVD.	COMPANY C
MARTINEZ, CA. 94553	COMPANY D
	COMPANY E
COVERAGES	
PEHIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT,	BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT IN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT

		The Committee of Court of	iolea, charlo alto	TEN WINT TIMES DE	EN REDUCED BY PAID CLAIMS.
SS LTR	Type of Insurance	POLICY NUMBER	FOL DY EFFECTIVE DATE (MM/DD*/Y)	POLICA EXE YOLOF (NY CONVI), BLAC	ALL LIMITS IN THOUSANDS
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В	AUTOMOBILE LIABILITY X AVY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NO LOWNED AUTOS SARAGE LIABILITY	T730809603	11/01/89	11/01/90	
	EXCESS LIABILITY OTHER THAN JI/BRELLA FORM		;		OCCUPATE ASSOCIATE S S S
В	Workers' Compensation And Employers' Liability	WCP80171816	11/01/89	11/01/90	STATUTORY
	OTHER SCRIPTION OF OPERATIONS / LOCATIONS	3 / VEHICLES / RESTRICTIONS / SPECIAL	JTEMS		

ALL OPERATIONS

CERTIFICATE HOLDER

PFIZER 4650 SHELL MOUND ROAD EMERYVILLE, CA. 94662 ATTN: Jim DeBlock

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.



O pied	† #	
Fee P	aid	
D	ate	

A subsidiary of Pfizer Inc.
4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905
415 / 653-6151

November 20, 1989

Alameda County Health
Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Underground Tank Removal

Now that the new underground diesel and gasoline storage tanks have been installed, we wish to proceed with the removal of the original tanks; 9-10,000 gallon diesel fuel, 1-10,000 bunker C, and 1-1000 regular gasoline.

Please find enclosed a check for \$1,875.00 to cover the removal permit deposit fee. Also enclosed are three copies of the tank closure plan, site/area safety plan, and insurance certificate.

If there are any questions about our removal permit request, I may be reached at the above telephone number, extension 246.

M. S. Herzog

Manager, Process Engineering

MSH/jm

 $\mbox{wp\mbox{m}\mbox{sh}278}$

DAVID J. KEARS, Agency Director

September 13, 1989

Mr. Michael Herzog Pfizer Pigments, Inc. P.O. Box 8215 Emeryville, CA 94662-0905 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

Re: Pfizer request to reduce groundwater monitoring frequency, 4650 Shellmound St., Emeryville

Dear Mr. Herzog:

The Alameda County Department of Environmental Health, Hazardous Materials Division, has reviewed Roux Associates' most recent groundwater monitoring report for the Pfizer site, and has consulted with the Regional Water Quality Control Board (RWQCB) regarding your request to lengthen monitoring intervals. We have concluded that because of tidal influence at the site and because of the relatively high concentrations of solvents initially reported in groundwater, a periodic monitoring program needs to continue for wells RW-2, RW-3, and RW-4. Sampling and analysis of water from these wells should take place at least semi-annualy until levels of solvents and any other contaminants decrease to "ND" for two consecutive monitoring intervals.

According to our records, and based on a telephone call to Roux, it appears that the RWQCB may not have all the technical and monitoring reports that have been prepared for the Pfizer site since the waste oil tank was removed. Title 23 of the California Code of Regulations, Chapter 3, Subchapter 16 requires that quarterly and other reports be submitted both to the local implementing agency and to the appropriate RWQCB. Therefore, if there are reports that have not found their way to the Board, you should send them as soon as possible (attn: Lester Feldman). These dual reporting requirements of course apply to all future documents that may be prepared for Pfizer.

If you have any questions about this letter, please contact Gil Wistar, Hazardous Materials Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid, Chief

Hazardous Materials Division

C: Jerry Wickham, Roux Associates Howard Hatayama, DOHS Lester Feldman, San Francisco RWOCB



A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905
415 / 653-6151

June 12, 1989

Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Re: _Site Remediation Plan

I have spoken to our consultant, Roux Associates, concerning the remediation plan for the area along the western boundary of Pfizer Pigments Inc.'s Emeryville facility. Difficulties in obtaining information regarding neighboring sites has delayed completion of Roux's report to us. We respectfully request a 30-day extension of the report deadline to 30 July 1989 to allow time for review of the report at divisional headquarters before submission to Alameda County.

Michael S. Herzog Manager, Process Engineering

MSH/jm

 $\sqrt{m}\mbox{msh276}$

ALAMEDA COUNTYO SEPT. OF ENVIRONMENTAL HEARTH MAZARDOUS MATERIALS



A subsidiary of Pfizer Inc 4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905 415 / 653-6151

April 21, 1989

4/27/82)
ALAMEDA COUNTY
UETT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Underground Tank Removal/Replacement

Enclosed, for your information, is the tank removal plan prepared for us by Roux Associates. The plan has been reviewed by our Divisional Environmental Engineering Department and is being used by us to obtain quotations to select a tank removal contractor.

We have begun the approval process to secure a capital appropriation for the installation of the new gasoline and fuel oil tanks. We hope to be able to award the contract for that work soon.

Roux Associates personnel sampled the monitoring wells at the removed tank site earlier this week and the samples are currently being analyzed. They have begun drilling today in the western boundary area of TOG soil concern.

The information from these borings will be used in the preparation of the site remediation plan as requested.

M. S. Herzog

Manager, Process Engineering

MSH/jm

 $\mbox{wp}\mbox{msh1000}$



ALAMBAS, Promoter DEPT, OF CONTROL IN

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P O. BOX 8215 • EMERYVILLE, CA 94662-0905 415 / 653-6151

April 6, 1989

Alameda County Health
Care Services Agency
Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Tank Site Monitoring/Remediation

We received R.A. Shadid's reply to our tank site proposal today.

Enclosed you will a check in the amount of \$500.00, as requested.

We have instructed our consultant, Roux Associates, to begin the quarterly sampling and analysis of groundwater from wells RW-2, 3, and 4, as you have ordered. They have expressed some concern in being able to sample, submit for analysis, and report in three weeks, but we will make every effort to meet your timetable.

We have also instructed Roux Associates to begin investigation of the area of high TOG analyses (RB-6, RW-3, and RB-5) so we can prepare a reply to your request for a remediation plan.

M. S. Herzog

Manager, Process Engineering

M. S. Herrog (Im)

MSH/jm

 $\mbox{wp}\mbox{msh271}$

cc: G. L. Metcalf

J. Carlton

J. T. Wickham, Roux Associates

ALAMEDA COUNTY

HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director

Certified mailer #P 833 981 260

April 3, 1989

Dear Mr. Herzog:

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland. CA 94621 (415)

APR 0 6 1989

CHANN COUNT DAYS

Mr. Michael Herzog Manager, Process Engineering Pfizer Pigments, Inc. 4650 Shellmound St. Emeryville, CA 94662-0905

Having lately focused on Pfizer's plan to remove its underground tanks and to install new ones, the Alameda County Department of Environmental Health, Hazardous Materials Division has not made a formal response to the Roux Associates' site investigation report. This report describes the consultant's work following the removal of an underground waste oil tank, and provides recommendations for the site. The Hazardous Materials Division has reviewed this report, and has the following comments on it.

With respect to the solvents discovered in groundwater immediately beneath the excavation pit, we concur that regular monitoring of wells RW-2, RW-3, and RW-4 should be adequate to detect any migration of these materials. If any of these solvents are found in the monitoring wells, a remediation plan to remove the solvents from groundwater should be developed. Rather than the semi-annual monitoring plan recommended in the Roux report, however, we are requiring quarterly sampling and analysis of wells RW-2, -3, and -4; the first of these quarterly reports should be submitted to this office by May 1, 1989, and the next one will be due on August 1. Analytical parameters should include the solvents found in MW-4 as well as total oil and grease (TOG).

Soil sample results from borings along the western edge of the Pfizer property indicate TOG contamination of up to 53,750 ppm. "Background" levels of 95 ppm were found at the eastern boundary of the site in boring RW-1, and other borings scattered around the site showed TOG levels of 100 ppm or below. Thus, there is apparently a vadose plume with significant oil and grease contamination on the Shellmound side of the facility. The areal extent of this plume is not well defined, and there is no hard data demonstrating that oil and grease in the soil is immobile.

It is this office's policy to require remediation of any soil contaminated with hydrocarbons above 1,000 ppm, which is the California Department of Health Services' threshold for hazardous waste. Therefore, we are requesting that you develop a remediation plan for the TOG-contaminated soil; as a first step, the areal extent and depth of soil contaminated above 1,000 ppm needs to be

Mr. Michael Herzog April 3, 1989 Page 2 of 2

characterized. Please submit your remediation plan (containing information on the soil distribution of TOG) to this office by June 30, 1989.

In addition, please submit a deposit of \$500 to cover costs that the Division of Hazardous Materials incurs during remediation oversight. This deposit is not connected to the deposit required for the removal and installation of tanks that Pfizer is planning.

If you have any questions about this letter or about remediation requirements for the Pfizer facility, please contact Gil Wistar, Hazardous Materials Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid, Chief

RICA Shh

Hazardous Materials Division

cc: Jerry Wickham, Roux Associates
Doug Krause, DOHS
Don Dalke, San Francisco RWQCB



A subsidiary of Pfizer Inc.
4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905
415 / 653-6151

CALIFORNIA REGIONAL WATER

FEB- 05 1993

February 2, 1988

DUALITY CONTROL RATE

Alameda County Division of Environmental Health Underground Storage Tank Unit 470-27th Street, Room 324 Oakland, CA 94612

Attention: Lizabeth Rose, Hazardous Materials Specialist

Enclosed is the site report form concerning our recently removed waste oil tank.

We have retained Roux Associates of Walnut Creek to assist us in the preparation of a remediation plan.

Michael S. Herzog

Manager, Process Engineering

MSH/jm

 $\mbox{wp}\mbox{msh222}$

copies:

State Water Resources Control Board

Regional Water Quality Control Board, San Francisco Region

Emeryville Fire Department

Roux Associates G. L. Metcalf

J. D. Brown

HSC 05 (4/87)

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i	UNDERGROUND STORAGE TANK UNAUTH	ORIZED RELEASE (LEAK) / CONTAMINATIO	N SITE REPORT
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984	M. S. Herzog REPRESENTING X OWNER/OREDATOR FEGIONAL		
RTE	REPRESENTING A OWNER/OPERATOR REGIONAL LOCAL AGENCY OTHER	BOARD	
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_	4650 Shellmound Street, Emeryvi	ille, CA 94608	
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ONSIBLE SRTA	Dei zon Diemonte Tre		(415)653-6151
ŠE.	Pfizer Pigments Inc. UNI	KNOWN M. S. Herzog	1 /4T2\033-0T3T
ä(4650 Shellmound St. Emeryville, CF	A 94608	•
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Z	Pfizer Pigments Inc.	Same	(415) 653-6151
ATIC	ADDRESS	, , , ,	
SITELOCATION	4650 Shellmound St. Emeryville, Ala	ameda 94608	COUNTY ZIP
SITE	CROSS STREET TYPE OF AREA	COMMERCIAL INDUSTRIAL RURAL TYPE OF BUSIN	- Mil.
	Powell Street RESIDENTIA	L OTHER FARM X	OTHER Pigment Plant
5 %	LOCAL AGENCY AGENCY NAME	CONTACT PERSON	PHONE'
	Alameda Co. Health Care Services	Liz Rose	(415) 874-7247
IMPLEMENTING AGENCIES	REGIONAL BOARD		PHONE
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INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the Teak has been determined to pose a significant threat to human health or safety; only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE /CAUSE

Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the Category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which actions have been used to cleanup or remediate the leak.
Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water table.

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected parties.

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

No Action Required - incident is minor, requiring no remedial action.

COMMENTS – Use this space to elaborate on any aspects of the incident. $\overline{\text{SIGNATURE}}$ – Sign the form in the space provided. $\overline{\text{DISTRIBUTION}}$

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency

 State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801

3. Regional Water Quality Control Board

 County Board of Supervisors or designee to receive Proposition 65 notifications.

Owner/responsible party.

CONSULTING GROUND-WATER GEOLOGISTS AND ENGINEERS

ROUX ASSOCIATES



1430 WILLOW PASS ROAD SUITE 140 CONCORD, CALIFORNIA 94520 415 685-8742



May 19, 1988

MAY 27 1988 CUMBY COMPANY 198

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Regional Water Quality Control Board Rm. 6040 1111 Jackson St. Oakland, CA 94607

STATUS OF SITE INVESTIGATION FOR REMOVED WASTE OIL TANK AT PFIZER-EMERYVILLE PLANT

This report describes site investigation activities that have been completed to date following removal of a waste oil tank at the Pfizer Pigments plant at 4650 Shellmound Street in Emeryville, California (tel. (415)653-6151). The investigation was initiated in response to soil contamination encountered during removal of the waste oil tank. Roux Associates has been retained by Pfizer Pigments to conduct the site assessment.

An Initial Site Investigation Report was submitted in February, 1988. Additional field activities have been completed since the initial report was submitted. To date, 11 soil borings have been drilled and sampled and 6 monitoring wells have been installed. Laboratory analyses for 37 samples have been completed; an additional 7 laboratory analyses are pending. Data interpretation and assessment are in progress and a final report including a summary of findings and proposed cleanup actions is expected to be completed within 90 days.

Sincerely, ROUX ASSOCIATES, INC.

Jerry T. Wickham Senior Hydrogeologist California Registered Geologist No. 3766



A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

CALIFORNIA REGIONAL WATER

FEB 26 1988

QUALITY CONTROL BOARD

February 23, 1988

Alameda County
Division of Environmental Health
Underground Storage Tank Unit
470-27th St., Room 324
Oakland, Ca 94612

Attn: Lizabeth Rose, Hazardous Materials Specialist

Enclosed is a status report from our consultant, Roux Associates, regarding the site of our recently removed waste oil tank. In addition to describing the work performed to date and planned activities, the report includes a "Site/Area Safety Plan".

We will continue to report progress to you and the agencies listed below as the investigation progresses.

Michael S. Herzog

Manager, Process Engineering

encl

copies:

State Water Rbsources Control Board

Regional Water Quality Control Board, S F Region

Emeryville Fire Dept.

Roux Associates (no attachment)

GC Metcalf

WE McCoy/JD Brown

CONSULTING GROUND-WATER GEOLOGISTS

ROUX ASSOCIATES

1111 CIVIC DRIVE SUITE 250 WALNUT CREEK, CALIFORNIA 94596 415 945-1900 6 85-8 7 412

February 22, 1988

Pfizer Pigments Inc. 4650 Shellmound St. P.O. Box 8215 Emeryville, CA 94662-0905 Attention: Mr. Mike Herzog

INITIAL SITE INVESTIGATION FOR REMOVED WASTE DIL TANK AT PFIZER PIGMENT PLANT, EMERYVILLE, CALIFORNIA 4650 Shell moond St.

This letter report describes the initial site investigation activities conducted up to February 19, 1988 at the Pfizer Pigments Plant in Emeryville, California. Roux Associates West has been retained by Pfizer Pigments to conduct the site assessment for possible soil or ground water contamination beneath the removed waste oil tank. The site investigation is in progress with further actions pending additional sampling and laboratory analyses. Site investigation activities to date are reported below.

This site investigation is being conducted in response to soil contamination encountered beneath an underground waste oil tank during removal of the tank. The tank was removed without repair or replacement in December, 1987. Following removal, the tank excavation was backfilled. An "Underground Storage Tank Unauthorized Release (Leak) /Contamination Site Report" was filed on February 2, 1988.

Initial Site Investigation (February 9 to 19, 1988)

On Fabruary 9, 1988, Roux Associates West conducted an initial site reconnaissance and developed a site history. A work plan for the site investigation was developed and is currently being carried out. Four monitoring wells were installed on Fabruary 18th and 19th, 1988. The monitoring wells were constructed with bentonite seals and grouted according to accepted monitoring well construction practices and the guidelines contained in Attachment 1 of the "Guidelines for Addressing Fuel Leaks, California Regional Water Quality Control Board (San Francisco Bay Region), September, 1985.

February 22, 1988 Page Two

Soil samples were collected at five-foot intervals in the monitoring well borings and have been submitted to Curtis & Tompkins Laboratories for analysis. The laboratory analyses are in progress and will be presented along with chain-of-custody forms in a later report. Well development and ground water sampling will be performed within the next two weeks. Soil cuttings from the borings have been stored on site in sealed steel drums pending laboratory analyses of the soils. The site safety plan for the Pfizer Pigments Plant is attached to this letter report.

Should you have any questions regarding this report, please contact me at (415) 945-1900.

Sincerely,

Jerry T. Wickham

Jerry T. Wickham

California Registered Geologist

No. 3766

SITE/AREA SAFETY PLAN (use page 17 additional space is necessary

GENERAL TIME 1980
DATES PLAN IN USE: February 18,1988 -> DATE PREPARED: February 17,1988
PREPARED BY: J.T. Wickham SITE/AREA NAME: Prizer Pigments Plant
LOCATION: 4650 Shellmound St. i Emeryville, CA 94662-0905
THE INTERIOR SET TO SET THE MARY X SKETCHY NONE
HAZARDOUS MATERIAL FORM: GAS X LIQUID X SEUDGE SOLID X
CONTAINMENT: DRUM X PIT POND LAGOON TANK SOILS DEBRIS
OTHER CONDITION
CHARACTERISTICS: CORROSIVE IGNITABLE RADIOACTIVE VOLATILE X TOXIC REACTIVE OTHER UNKNOWN
SITE/AREA SPECIFICS
HIGH HAZARD MATERIAL:
COMPOUND ANTICIPATED CONCENTRATION WARNING PROPERTIES
2. Hexanone 20 PPM in soil (tank pit) Characteristic odor
Acetone 2 PPM in soil (tank pit) Fragrant mint-like ador
SITE HISTORY: TOPOGRAPHY Flat-lying fill. STATUS: OPEN CLOSED LINITED ACCESS X UNKNOWN HISTORY (regulatory action, local complaints, injuries, site controls): Tank was removed from excavations excavation was backfilled; No ruleance complaints. Soil sample beneath tank contaminated.
UNUSUAL FEATURES (control feature integrity, utilities, obstacles): Utilities to be located by plant engineer.
HAZARD ASSESSMENT EVALUATION OF EXPECTED HAZARD (work assignments, operational considerations, routes
of evonsure, health effects, material stability):
Wasting anciennent to be monitored continuously
with TLV (Threshold Limit Value) meter 2011 and
water to be contained on site in sealed steel drums.
Normal precautions taken around drill rige
•

OPERATIONAL PROCEDURES SITE COMMAND AND CONTROL (include sketch or map as appropriate): PERIMETER CONTROL Fenced controlled access area HORKING AREA Marked with traffic cones, contlon tape Protective Equipment on stand-by. EQUIPMENT REQUIREMENTS Level PERSONNEL PROTECTION GENERAL LEVEL OF PROTECTION REQUIRED: A ___ B ___ C __ D X MODIFICATION OR SPECIALIZED EQUIPMENT: DETECTION Equipment (survey meters, dosimeters): Bacharach TLV motor COMMUNICATIONS (type. range, frequencies, alternates, hand signals): Horn blast-evacuate working area. hand signals when respirators in use AUTHORIZED TEAM PERSONNEL MEDICAL (date) NAME TRAINING (type.date) POSITION Roux Associates Roux Associates Hydrogeologist Exceltect Drilleris OTHER PERSONNEL (prearranged visitors, support personnel): AGENCY/COMPANY NAME RESTRICTIONS Monitoring Procedures (use and employment of fixed, portable, real-time, continuous and/or periodic monitoring devices): Continuous monitoring during drilling and sampling

	cones): PERSONNEL STORE of Truck suits Ster use.
	TCP . 1 1.
	PROTECTIVE EQUIPMENT Decontaminate in TSP solution
CAND C	clean water ringe.
	A2T + + + - 111 L L A
	EQUIPMENT Decontaminate with surfactant or TSP
	ng and clean water rings between each sample.
_3 7 <u>4 A VY</u>	n clean between borings.
banin se	QUIPMENT Steam clean prior to initial use, between
Barrag	s, and after completion of drilling.
DECON MATE	ERIALS REQUIRED (containers, decon solutions):
	· cleaner, plastic buckets, steel drums,
plastic	c shorting, TSP, and surfactant.
PECINE NA	AZARDS: None expected.
	·
	
OCATION O	OF MEAREST WORKING PHONE Ptizes Labby, Offices
	AGENCY COMMUNICATIONS Radio in drill rigo
MERGENCY I	PHONE NUMBERS:
	NAME/LOCATION PHONE # PREPLAN/STANBY
MBULANCE	911
	911
IRE	1 t
OLICE	911
OLICE	Meritt Hospital 655-4000
OLICE	Meritt Hospital 655-4000
OLICE OSPITAL NVIRONMENT	Meritt Hospital 655-4000

ADDITIONAL RESOUR	CES:	
NAME	AGENCY/COMPANY	PHONE #
	· · · · · · · · · · · · · · · · · · ·	
		MacArthur Blud, MacArthur Blud.
East to Bro	advar	ALTERNATIVE Turn Right (South) or
Broadway Soy	4th of 580. Tum	Right after 580, continue 1 block.
, ,		- " •
EQUIPMENT CHECKLIS	ST	·
		type, material, amount required);
SCBA		SPARE CYLINDERS
ESCAPE MASK		CHEM-MECH RESPIRATORS
FULL FACE	· · · · · · · · · · · · · · · · · · ·	HALF FACE Wilson & MSA
CANISTER		CARTRIDGE Organic Vapor
HARDHAT X	FACE SHIELD	CHEM GOGGLES
SAFETY GLASSES	EAR PR	OTECTION
GLOVES: SURGICAL	CHI	EM X OUTER X
CHEM RESIST COVER	ALLS	DISPOSAL COVERALLS TYNET
SPLASH APRONS		SPLASH SUITS
BOOTS Steel	-toed	BOOT/SHOE COVERS
FULLY ENCAPSULATE	D SUITS	
DOSIMETERS		
FIRST AID EQUIPME		
EYE WASH STATION		FIRE EXTINGUISHER
DECON MATERIALS _	X	
		SPECIAL TOOLS
OTHER		

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470-27th Street, Third Floor Oakland, California 94612

⁽⁴¹⁵⁾ 874-7237

CARROLLING RECEIPTION OF

173 01 1928

TORNING COMPROPER

Michael S. Herzog Pfizer Pigments Inc. P.O. Box 8215 Emeryville, CA 94662-0905

Subject: Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report

Dear Mr. Herzog:

January 25, 1988

On January 11, 1988 our office received a report from Brown and Caldwell Laboratories indicating soil contamination was detected at actionable levels following underground tank removal at your your facility.

The California Administrative Code, Title 23, requires all unauthorized releases to be reported. Section 2652 (b) requires within 5 working days of detecting the release, the operator or permittee shall submit to the local agency (Alameda County Hazardous Materials Division) a full written report to include all of the following information which is known at the time of filing the report:

- (1) List of type and quantity of hazardous substances released.
- (2) The results of all investigations completed at that time to determine the extent of soil or ground water or surface water contamination due to the release.
- (3) Method of cleanup implemented to date, proposed cleanup actions, and approximate cost of actions taken to date.
- (4) Method and location of disposal of the released hazardous substance and any contaminated soils or ground water or surface water (indicate whether a hazardous waste manifest(s) is utilized).

Certified mailer #P 833 981 260

DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Program 80 Swan Way, Rm. 200 Oakland, CA 94621 (415)

April 3, 1989

Mr. Michael Herzog Manager, Process Engineering Pfizer Pigments, Inc. 4650 Shellmound St. Emeryville, CA 94662-0905

Dear Mr. Herzog:

Having lately focused on Pfizer's plan to remove its underground tanks and to install new ones, the Alameda County Department of Environmental Health, Hazardous Materials Division has not made a formal response to the Roux Associates' site investigation report. This report describes the consultant's work following the removal of an underground waste oil tank, and provides recommendations for the site. The Hazardous Materials Division has reviewed this report, and has the following comments on it.

With respect to the solvents discovered in groundwater immediately beneath the excavation pit, we concur that regular monitoring of wells RW-2, RW-3, and RW-4 should be adequate to detect any migration of these materials. If any of these solvents are found in the monitoring wells, a remediation plan to remove the solvents from groundwater should be developed. Rather than the semi-annual monitoring plan recommended in the Roux report, however, we are requiring quarterly sampling and analysis of wells RW-2, -3, and -4; the first of these quarterly reports should be submitted to this office by May 1, 1989, and the next one will be due on August 1. Analytical parameters should include the solvents found in MW-4 as well as total oil and grease (TOG).

Soil sample results from borings along the western edge of the Pfizer property indicate TOG contamination of up to 53,750 ppm.
"Background" levels of 95 ppm were found at the eastern boundary of the site in boring RW-1, and other borings scattered around the site showed TOG levels of 100 ppm or below. Thus, there is apparently a vadose plume with significant oil and grease contamination on the Shellmound side of the facility. The areal extent of this plume is not well defined, and there is no hard data demonstrating that oil and grease in the soil is immobile.

It is this office's policy to require remediation of any soil contaminated with hydrocarbons above 1,000 ppm, which is the California Department of Health Services' threshold for hazardous waste. Therefore, we are requesting that you develop a remediation plan for the TOG-contaminated soil; as a first step, the areal extent and depth of soil contaminated above 1,000 ppm needs to be

Mr. Michael Herzog April 3, 1989 Page 2 of 2

characterized. Please submit your remediation plan (containing information on the soil distribution of TOG) to this office by June 30, 1989.

In addition, please submit a deposit of \$500 to cover costs that the Division of Hazardous Materials incurs during remediation oversight. This deposit is not connected to the deposit required for the removal and installation of tanks that Pfizer is planning.

If you have any questions about this letter or about remediation requirements for the Pfizer facility, please contact Gil Wistar, Hazardous Materials Specialist, at 271-4320.

Sincerely,

Rafat A. Shahid, Chief

Hazardous Materials Division

cc: Jerry Wickham, Roux Associates Doug Krause, DOHS Don Dalke, San Francisco RWQCB

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NOT FOR INTERNATIONAL MAIL (See Reverse)

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PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST, P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

March 14, 1989

DEPT. OF ENVIRONMENTAL HEALTH.

NAZARDOUS MATERIALS

3/17/83

Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Underground Storage Tanks, Emeryville Facility

I received the new tank permit forms early last week; thank you.

Our consultant, Roux Associates, has completed their site screening work. They drilled a total of ten shallow borings to the top of the water table near the location of the various underground storage tanks. Six borings were made in the tank pit containing the ten-12,000 gallon fuel oil tanks, one boring near the 1000-gallon regular gasoline tank, and three in the area believed to contain an abandoned crane (diesel) tank.

Of the six borings in the fuel oil tank pit, five yielded "not detectable" levels of petroleum hydrocarbons. One boring at the Easternmost boundary of the pit yielded a sample which analyzed at 440 ppm petroleum hydrocarbon, as diesel. There is no indication of a spill at our site. If necessary, further analyses will be made as the project continues.

The boring made in the gasoline tank pit produced a sample which showed no volatile organic vapors on a field photoionization meter.

The three borings in the area supposed to contain the crane diesel fuel tank did not encounter the tank nor did they show any signs of diesel contamination.

When queried about the tank, our two general supervisors (30-year employees) said they remembered it having been removed when the scrap bin pad was poured in about 1977.

Roux is currently preparing the tank removal plan for all tanks. We expect to have it in hand in about ten days.

Mr. Gilbert Wistar Page 2, March 14, 1989

We are also preparing detailed invitation to bid packages for the installation of the new underground tanks; one 10,000-gallon diesel and one 1000-gallon gasoline tank.

We will keep you informed of progress being made on this project.

M. S. Herzog

Manager, Process Engineering

Pfizer Pigments Inc.

MSH/jm

 $\mbox{wp}\mbox{msh270}$

cc: G. L. Metcalf



PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST, P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

2/16/89

February 14, 1989

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Underground Storage Tanks, Emeryville Facility

After reviewing several alternatives we have decided to install an approved 1000-gallon underground gasoline storage tank to replace the existing tank of the same size. We will also install an approved 10,000 gallon underground No. 2 fuel oil tank as standby boiler and kiln fuel replacing the ten 12,000-gallon underground tanks currently in use.

To enable us to continue plant operations with as few interruptions as possible we wish first to install the new storage tanks before proceeding with the closure/removal of the existing tanks. To whom and in what manner should we apply for permits to install the new tanks? Your assistance would be appreciated.

Our consultant, Roux Associates, has begun the site screening work and is producing a project plan and scope of work. We are continuing to receive cost information and are preparing internal approval documentation. We intend to have a project plan completed for your perusal in early March.

M. S. Herzog

Manager, Process Engineering

MSH/jm

 $\wp\m\msh008$

cc: G. L. Metcalf

S. J. Stanley

J. N. Deblock

T. W. Christopher



PFIZER PIGMENTS INC.

2/G/S9
ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

February 2, 1989

Alameda County Health Care Services Agency Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, CA 94621

Attention: Gilbert Wistar, Hazardous Materials Specialist

Underground Storage Tanks, Emeryville Facility

It is the intention of Pfizer Pigments Inc. to properly close in place or remove the underground storage tanks presently located at its Emeryville facility and functionally replace the tanks with units of an approved type. The tanks in question are the ten 12,000-gallon fuel oil storage tanks, one 1000-gallon regular gasoline storage tank, and are 500 gallon crane fuel storage tank. (A 350-gallon waste oil/solvent tank has already been removed.)

Pfizer Pigments Inc has retained Roux Association of Concord as a project consultant. Roux will prepare a project plan and perform some preliminary site investigation work before any excavation is begun.

We intend first to install new tanks of an approved type for regular gasoline and for standby fuel to replace natural gas in times of service interruption. The standby fuel presently used is fuel oil. We will consider other alternatives before reaching a final decision on the type and volume of standby fuel.

In the next 30-day period we will seek bids for the installation of new tanks and the removal of existing tanks. We will evaluate standby fuel alternatives and make a decision. The process of obtaining internal Pfizer Pigments Inc. expense approvals will be begun.

Roux Associates will prepare a project plan and scope of work. They will also conduct a site screening of the fuel oil, gasoline, and crane fuel tank areas.

Mr. Gilbert Wistar Page 2,

February 2, 1989

We would also like to begin the permit process for installation of new tanks and ask your assistance in this process.

With this information gained through the site screening and bid procedures we feel we will be able to propose a project schedule in early March.

Sincerely,

PFIZER PIGMENTS INC.

M. S. Herzog

Process Engineering, Manager

MSH/jm

 $\mbox{wp}\mbox{msh841}$

cc: G. L. Metcalf

S. J. Stanley

J. N. Deblock

T. W. Christopher

CONSULTING GROUND-WATER GEOLOGISTS AND ENGINEERS

ROUX ASSOCIATES



1430 WILLOW PASS ROAD SUITE 140 CONCORD, CALIFORNIA 94520 415 685-8742

May 19, 1988

Alameda County Division of Environmental Health Underground Storage Tank Unit 470-27th Street, Room 324 Oakland, CA 94612

Attention: Ms. Lizabeth Rose

STATUS OF SITE INVESTIGATION FOR REMOVED WASTE OIL TANK AT PFIZER-EMERYVILLE PLANT

This report describes site investigation activities that have been completed to date following removal of a waste oil tank at the Pfizer Pigments plant at 4650 Shellmound Street in Emeryville, California (tel. (415)653-6151). The investigation was initiated in response to soil contamination encountered during removal of the waste oil tank. Roux Associates has been retained by Pfizer Pigments to conduct the site assessment.

An Initial Site Investigation Report was submitted in February, 1988. Additional field activities have been completed since the initial report was submitted. To date, the complete since the initial report was submitted. To date, the complete since been drilled and sampled and 6 me to be a submitted of the complete since the complete s

factory analyses are pending. Data interpretation and assessment are in progress and a final report including a summary of findings and proposed cleanup actions is expected to be completed within 90 days.

Sincerely,

ROUX ASSOCIATES, INC.

Jerry T. Wickham Senior Hydrogeologist California Registered Geologist

No. 3766



415 / 653-6151

A subsidiary of Pfizer Inc. 4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

February 23, 1988

Alameda County Division of Environmental Health Underground Storage Tank Unit 470-27th St., Room 324 Oakland, Ca 94612

Attn: Lizabeth Rose, Hazardous Materials Specialist

Enclosed is a status report from our consultant, Roux Associates, regarding the site of our recently removed waste oil tank. In addition to describing the work performed to date and planned activities, the report includes a "Site/Area Safety Plan".

We will continue to report progress to you and the agencies listed below as the investigation progresses.

Michael S. Herzon

Manager, Process Engineering

encl

copies:

State Water Rosources Control Board Regional Water Quality Control Board, S F Region

Emeryville Fire Dept.

Roux Associates (no attachment)

GC Metcalf

WE McCoy/JD Brown

CONSULTING GROUND-WATER GEOLOGISTS

ROUX ASSOCIATES



February 22, 1988

Pfizer Pigments Inc. 4650 Shellmound St. P.O. Box 8215 Emeryville, CA 94662-0905 Attention: Mr. Mike Kerzog

INITIAL SITE INVESTIGATION FOR REMOVED WASTE OIL TANK AT PFIZER PIGMENT PLANT, EMERYVILLE, CALIFORNIA

This letter report describes the initial site investigation activities conducted up to February 19, 1988 at the Pfizer Pigments Plant in Emeryville, California. Roux Associates West has been retained by Pfizer Pigments to conduct the site assessment for possible soil or ground water contamination beneath the removed waste oil tank. The site investigation is in progress with further actions pending additional sampling and laboratory analyses. Site investigation activities to date are reported below.

This site investigation is being conducted in response to soil contamination encountered beneath an underground waste oil tank during removal of the tank. The tank was removed without repair or replacement in December, 1987. Following removal, the tank excavation was backfilled. An "Underground Storage Tank Unauthorized Release (Leak) /Contamination Site Report" was filed on February 2, 1988.

Initial Site Investigation (February 9 to 19, 1988)

On February 9, 1988, Roux Associates West conducted an initial site reconnaissance and developed a site history. A work plan for the site investigation was developed and is currently being carried out. Four monitoring wells were installed on February 18th and 19th, 1988. The monitoring wells were constructed with bentonite seals and grouted according to accepted monitoring well construction practices and the guidelines contained in Attachment 1 of the "Guidelines for Addressing Fuel Leaks, California Regional Water Quality Control Board (San Francisco Bay Region), September, 1985.

February 22, 1988 Page Two

Soil samples were collected at five-foot intervals in the monitoring well borings and have been submitted to Curtis & Tompkins Laboratories for analysis. The laboratory analyses are in progress and will be presented along with chain-of-custody forms in a later report. Well development and ground water sampling will be performed within the next two weeks. Soil cuttings from the borings have been stored on site in sealed steel drums pending laboratory analyses of the soils. The site safety plan for the Pfizer Pigments Plant is attached to this letter report.

Should you have any questions regarding this report, please contact me at (415) 945-1900.

Sincerely,

Jerry T. Wickham

Jerry T. Wichham

California Registered Geologist

No. 3766

SITE/AREA SAFETY PLAN

BENEKAL
DATES PLAN IN USE: February 18,1988 > DATE PREPARED: February 17,1988
PREPARED BY: J.T. Wickham SITE/AREA NAME: PFizer Pigments Plan
LOCATION: 4650 Shellmound St. i Emeryville, CA 94662-0905
Existing Information for Site: Detailed Preliminary X sketchy None
HAZARDOUS MATERIAL FORM: GAS X LIQUID X SLUDGE SOLID X
CONTAINMENT: DRUM X PIT POND LAGOON TANK SOILS DEBRIS
OTHER CONDITION
CHARACTERISTICS: CORROSIVE IGNITABLE RADIOACTIVE VOLATILE X TOXIC
REACTIVE OTHER UNKNOWN
ANT (ADEA ODECITICS
SITE/AREA SPECIFICS
HIGH HAZARD MATERIAL:
COMPOUND ANTICIPATED CONCENTRATION WARNING PROPERTIES
2- Hexanone 20 PPM in soil (tank pit) Characteristic odor
Acetone 2 PPM In soil (tout pit) Fragrant mint-like alo
SITE HISTORY: TOPOGRAPHY Flat-lying Fill.
STATUS: OPEN CLOSED LIMITED ACCESS UNKNOWN
HISTORY (regulatory action, local complaints, injuries, site controls):
Tank was removed from excavations excavation was backfilled;
No misance complaints. Soil sample beneath tent contaminated.
No misance complaints - 2011 samps business
UNUSUAL FEATURES (control feature integrity, utilities, obstacles):
Utilities to be located by plant engineer.
·
HAZARD ASSESSMENT
EVALUATION OF EXPECTED HAZARD (work assignments, operational considerations, routes
of exposure, health effects, material stability):
Working environment to be monitored continuously
with TIV (Threshold Limit Value) meter- 2011 and
water to be contained on site in sealed steel drums.
Normal precautions taken around drill rige

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nd/or periodic monitoring devices): Continuous monitoring during drilling and sampling		<u> </u>			
nd/or periodic monitoring devices): Continuous monitoring during deilling and sampling	ONITORIA	NG PROCEDURES (use and employment	of fixed. portable	. real-time. continuous
Continuous monitoring during drilling and sampling			·		
activities with TLV meter				anilliah anin	and sanislica
	nd/or pe	ringen, e man	THE WALL BY THE STATE OF THE ST		- Sunding
	cont	itice with	, TLV w. 4		• •

	sones): PERSONNEL 15 poze of Tyuck swite ter use.
ERSONNEL	PROTECTIVE EQUIPMENT Decontaminate in TSP solution
	clean water ringe.
AMPLING	EQUIPMENT Decontaminate with suntactant or TSP
	ng and clean water rings between each sample.
Stear	n clean between borings.
UPPORT E	QUIPMENT Steam clean prior to initial use between
<u> 207179</u>	e, and after completion of drilling.
	ERIALS REQUIRED (containers, decon solutions);
Steam	a cleaner, plastic buckets, steel drums,
plasti	c sheeting, TSP, and suntactant.
	WZARDS: None expected.
	/
OCATION (OF NEAREST MORKING PHONE Ptimes Labby, Offices
OCATION (OF NEAREST WORKING PHONE Ptizes Labby, Offices
	of Nearest Working Phone Ptizes Labby, Offices RGENCY COMMUNICATIONS Radio in drill rig.
	
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THER EME	PHONE NUMBERS: NAME/LOCATION PHONE ** PREPLAN/STANBY 911 911 Maritt Hospital 655-4000

ADDITIONAL RESOURCE	S:	•
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Broadway Sout	h of 580. Tum	Right after 580, continue 1 black.
•		
ERUIPMENT CHECKLIST		·
PROTECTIVE AND SAFE	TY EQUIPMENT (model.	type, material, amount required);
SCBA		SPARE CYLINDERS
PRCAPE MASK		CHEM-MECH RESPIRATORS
FULL FACE		HALF FACE Wilson & MSA
CANISTER		CARTRIDGE Organic Vapor
HARDHAT X	FACE SHIELD	CHEM GOGGLES X
		OTECTION
GLOVES: SURGICAL .	Х СН	EM OUTER
CHEM RESIST COVERAL	L\$	DISPOSAL COVERALLS TANKE
		SPLASH SUITS
BOOTS Steel -	toed	BOOT/SHOE COVERS
DOSIMETERS		
FIRST AID EQUIPMENT	. X	
EYE WASH STATION _		FIRE EXTINGUISHERX
DECON MATERIALS	X	
		SPECIAL TOOLS
OTHER		

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PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

J. J. J. W.

February 2, 1988

Alameda County Division of Environmental Health Underground Storage Tank Unit 470-27th Street, Room 324 Oakland, CA 94612

Attention: Lizabeth Rose, Hazardous Materials Specialist

Enclosed is the site report form concerning our recently removed waste oil tank.

We have retained Roux Associates of Walnut Creek to assist us in the preparation of a remediation plan.

Michael S. Herzog

Manager, Process Engineering

MSH/jm

 $\mbox{wp}\mbox{msh222}$

copies:

State Water Resources Control Board

Regional Water Quality Control Board, San Francisco Region

Emeryville Fire Department

Roux Associates G. L. Metcalf J. D. Brown

	UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT									
	REGENCY HAS STATE OFFICE OF EN REPORT BEEN FILED? ORT DATE CASE #	MERGENCY SERVICES YES X NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNEPORTED THIS INFORMATION TO LOTHE HEALTH AND SAFTY CODE.	NATED GOVERNME	INT EMPLOYEE AND THAT I HAVE RSUANT TO SECTION 25160,7 OF					
	1 2 M 0 0 2 0 8 Y 8	•								
,	NAME OF INDIVIDUAL FILING REPORT	PHONE	SIGNATURE/	2 (X) C	DATE					
BY	M. S. Herzog	(415	5) 653-6151							
REPORTED	REPRESENTING X OWNER/OPERATOR LOCAL AGENCY OTHER	REGIONAL BOARD								
3EPO	LOCAL AGENCY OTHER ADDRESS		Pfizer Pigments Inc	.						
	4650 Shellmound Street	; Emeryville,	CA 94608	sı	ATE ZIP					
3LE	NAME		CONTACT PERSON		PHONE					
SNSE	Pfizer Pigments Inc.	UNKNOWN	M. S. Herzog		(415)653-6151					
RESPONSIBLE PARTY	ADDRESS 4650 Shellmound St. Emery	ville, CA 940	608 crry	st	ATE ZIP					
	FACILITY NAME (IF APPLICABLE)		OPERATOR	`	PHONE					
Š	Pfizer Pigments Inc.	·	Same	·	(415) 653-6151					
SITE LOCATION	ADDRESS 4650 Shellmound St. Emeryv	rillo Alamoda	94609							
Œυ	CROSS STREET		- CHY		ZIP ZIP					
S	Powell Street		MERCIAL X INDUSTRIAL RURAL THER	TYPE OF BUSINES	RETAIL FUEL STATION OTHER Pigment Plant					
9	LOCAL AGENCY AGENCY		CONTACT PERSON		PHONE					
IMPLEMENTING AGENCIES	Alameda Co. Health Care Ser	vices	Liz Rose		(415) 874-7247					
CENE	REGIONAL BOARD			·	PHONE					
W.	S. F. Bay Region				()					
SE C	(1)	NAME	*	a	UANTITY LOST (GALLONS)					
OL VE	Fuel Hydrocarbons (2)				X UNKNOWN					
SUBSTANCES INVOLVED	(4)			<u> </u>	UNKNOWN					
MENT	DATE DISCOVERED HOW DISC	"**-		E MONITORING	NUISANCE CONDITIONS					
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HY/A	M M D D Y Y	UNKNOWN	REMOVE CONTENTS		· ·					
DISCOVE	HAS DISCHARGE BEEN STOPPED ?		REPAIR TANK	REPAIR PIPING	X CHANGE PROCEDURE					
SIO		0 d 1 d 8y 7 v	x OTHER remove tar	nk						
SS	SOURCE OF DISCHARGE TANKS C	ONLY/CAPACITY 300 GAL.	MATERIAL FIBERGLASS	CAUSE(S)	BURTURES					
SEC	PIPING LEAK AGE	YRS	X STEEL	OVERFILL						
SOURCE/CAUSE		UNKNOWN	OTHER	SPILL	ON K UNKNOWN					
	CHECK ONE ONLY	<u>,'-</u>	,	٠,						
CASE TYPE	UNDETERMINED SOIL ONLY	GROUNDWATER [DRINKING WATER - (CHECK ONLY I	F WATER WELLS HA	IVE ACTUALLY BEEN AFFECTED)					
E E	CHECK ONE ONLY SITE INVESTIGATION IN PROGRESS (DEFINING	S EVERT OF BROOK CAR.	OLEMBIN MERCORES COMPANY							
CURRENT		SEXTENT OF PROBLEM)	CLEANUP IN PROGRESS SIGNED SIG	· '	COMPLETED OR UNNECESSARY)					
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETA		TW FUNDS AVAILABLE TO FROCE	EU EVALU	ATING CLEANUP ALTERNATIVES					
출종	L	EXCAVATE & DISPOSE (ED)	REMOVE FREE PRODUCT (F	P) EN	HANCED BIO DEGRADATION (IT)					
REMEDIAL ACTION	CONTAINMENT BARRIER (CB)	XCAVATE & TREAT (ET)	PUMP & TREAT GROUNDWA	TER (GT) RE	PLACE SUPPLY (RS)					
	TREATMENT AT HOOKUP (HU)	IO ACTION REQUIRED (NA)	OTHER (OT)							
(z)										
COMMENTS										
8										

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE /CAUSE

Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which actions have been used to cleanup or remediate the leak.
Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.

Containment Barrier - install vertical dike to block horizontal movement of contaminant.

Excavate and Dispose - remove contaminated soil and dispose in approved site.

Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).

Remove Free Product - remove floating product from water

Pump and Treat Groundwater - generally employed to remove dissolved contaminants.

Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.

Replace Supply - provide alternative water supply to affected

Treatment at Hookup - install water treatment devices at each dwelling or other place of use.

No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident. $\frac{\text{SIGNATURE}}{\text{DISTRIBUTION}} - \text{Sign the form in the space provided.}$

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency

 State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801

3. Regional Water Quality Control Board

 County Board of Supervisors or designee to receive Proposition 65 notifications.

5. Owner/responsible party.

470-27th Street, Third Floor Oakland, California 94612 (415) 874-7237

December 18, 1987

Pfizer Pigments, Inc. 4650 Shellmound Street Emeryville, CA 94662-0905

RE: UNDERGROUND TANK CLOSURE PLAN

Dear Firm:

Please find enclosed, the receipt for payment of deposit/fees for services rendered/to be rendered by the Department of Environmental Health Services/Hazardous Materials Division.

If you have any questions, please give me, Mary Newman Carter, a call at, 874-7237.

Sincerely,

Mary Newman Carter, Secretary Hazardous Materials Division

MNC:mnc

cc: Files

DATE: 12/2/87 Handrust Lowell-MI. MEMORANDUM : FILE - PFIZER, 4650 Shellmound St. Energiele SUBJECT: UST Removal Mr. Herzog from Pfiger Lignents Called regarding a 350 gallon Waste vil tank which had been removed. He wanted to know if I wanted to come out and look at the excavation prior to them felling it in. Jungomed him that I had no clos plan which he needs to submit to along urta a deposit or \$300.00. insolned him of Hank Clasure reg,

He did injoin me that there was no obscious piens of boil Contamination in the excavation I also suggested he notifig Dorts, toxics regarding this activity since it was a waste tank and they have a TSD facility permit.



PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905

415 / 653-6151

December 2, 1987

Alameda County Division of Environmental Health Underground Storage Tanks Unit 470-27th Street, Room 324 Oakland, CA 94612

Attention: Liz Rose

We removed a 300-gallon underground tank used for temporary storage of waste oil yesterday. There was no evidence of leaking but soil samples were taken and sealed.

This morning I called your office to ask if inspection was required before refilling the hole. I was then told of the requirements for certified laboratory sampling and analysis. I called Brown & Caldwell in Emeryville to arrange for the laboratory work. They will take the sample later this week. After the sample is taken we will fill the hole.

The tank was removed by:

Crawley Construction Inc. 2688 Coolidge Avenue Oakland, CA 94601

It remains on our property in the surplus equipment storage yard.

The tank in question is No. 12 on the list of tanks submitted to Rafat Shahid on 27 May '87. A copy of the permit application is attached.

Also enclosed is our check for \$300.00 for tank removal fee.

We will submit the results of the soil analysis when received and respond as required.

Thank you for your help.

Michael S. Herzog Manager, Process Engineering

MSH/jm \wp\m\msh8 cc: G. L. Metcalf

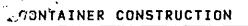
S. J. Stanley

J. D. Brown



APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

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· · · · · · · · · · · · · · · · · · ·		ENEWED PERMIT MENDED PERMIT	_	-		CLOSED CHANGE	(NO SI	() 09 JRCHARGE)	DELET	E FROM	FILE (NO	FEE)
OWNER												
NAME(CORPORATION, INDIVIDUAL OR PUB PFIZER INC.	LIC AC	SENCY)						PUBLIC AGENCY			() 03	FOCYF
STREET ADDRESS 650 SHELLMOUND STREET						CITY EMERYVI	LLE		STATI CA	5	ZIP 94608	
I FACILITY												
FACILITY NAME				ļ	EALER/	FOREMAN	/SUPERV	Meteas	2R			
STREET ADDRESS 6550 SELLMOUND STREET	· · · · · · · · · · · · · · · · · · ·					CROSS	STREET		0		,	
TTY EMERYVILLE					CUNTY					ZIP 9460	18	
MAÇLING ADDRESS 1650 SHELLMOUND STREET				CITY EMERY	VILLE				STATI CA		TP 4608	<u>.</u>
PHONE W/AREA CODE 15-653-6151		TYPE OF BUSINE		STATI	EON ()	() 02 OT	HER PI	IGMENT MFGR.				,
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	TOW	NSHIF	•		RANGE		SECT:	ION		
II 24 HOUR EMERGENCY C	ONTA	CT PERSON										
DAYS: NAME(LAST NAME FIRST) AND PH STANLEY, S. J. 415-653-		AREA CODE		1		NAME(L ', S. J.		ME FIRST) AND (415-283-0		W/ARE	A CODE	
COMPLETE THE FO	LLON	IING ON A	SEF	PAR	ATE I	ORM I	FOR E	EACH CONTA	INE	R		
V DESCRIPTION		,	·				1				······································	 1
A. (X) 01 TANK () 04 OTHER:							CONTA	INER NUMBER NO	.12			
3. MANUFACTURER (IF APPROPRIATE):	UNK.					EAR MFG	:	C. YEAR INST.	ALLED	1972	() UNK	иоии
). CONTAINER CAPACITY: 300 G	ALLON:	S () UNKNOWN	E.	DOES	5 THE C	ONTAINE	R STORE	E: (X) 01 WAST	E () 02 P	PRODUCT	
DDES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR	VEHIC	LE FUEL OR WAST	TE 0:	IL ? 4 DIE	(X) 01 ESEL (YES (X) 05 W) 02 h ASTE O	NO IF YES CHI	ECK AI	PPROPR	PIATE BOX(ES):
CONTAINER CONSTRUCT	ION										······································	
A. THICKHESS OF PRIMARY CONTAINMEN	T:	()	GAU	GE 1) IHC	HES () CM ((X) UNKNOWN				
3. () 01 VAULTED (LOCATED IN AN L	NDERGI	ROUND VAULT) ((X) 1	02 NC	DN-VAUI	TED () 03 U	AKNOMN				
. () 01 DOUBLE WALLED (X) 02 51	NGLE I	MALLED () 03	LIN	ED								
() 01 CARBON STEEL () 02 STA () 06 ALUMINUM () 07 STEE) 05	CONCR	ETE	



E. () 01 RUBBER LINED () 02 ALKYD LINING () () 07 UNLINED (X) 08 UNKNOWN () 09 OTHE) 04 PH	HENOLIC LINING () 05	ervas finime
F. () 01 POLYETHLENE MRAP () 02 VINYL MRAPPING () 06 TAR OR ASPHALT () 09 OTHER:	; () 03 CATHODIC	PROTECTI	ON (X) 04 UNKNOWN () 05 NONE
VI PIPING				
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE				VITY
B. UNDERGROUND PIPING: () GI DOUBLE-WALLE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE			NED TRENCH (X) 03 GRA	VITY
VII LEAK DETECTION				
() 01 VISUAL () 02 STOCK INVENTORY () 04 VA () 06 GROUND WATER MONITORING WELLS () 07 F				
VIII CHEMICAL COMPOSITION OF MATE IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRE				AINERS
CURRENTLY PREVIOUSLY DELETE CASH (IF KNOWN) STORED STORED	CHEMICA	L (DO NO	T USE COMMERCIAL NAME)	;
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()01 ()02 ()03				
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR PO	SSIBLE SYNONYMS	<u>.</u>		
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 N	10		
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF	PERJURY AND, TO TH	E BEST O	IF MY KNOWLEDGE, IS TRU	E AND CORRECT.
PERSON FILING (SIGNATURE)	2-8	PHONE	WAREA CODE 45/6	653-6151
FOR LOCAL AGENCY USE ONLY	U()		1	1
ADMINISTRATING AGENCY	CI	TY CODE		COUNTY CODE
CONTACT PERSON		PHONE	W/AREA CODE	
DATE OF LAST INSPECTION IN COMPLIANCE () 01 YES () 02 NO	PERMIT APPROVAL D	ATE	TRANSACTION DATE	LOCAL PERMIT ID #



PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc. 4650 SHELLMOUND ST., P.O. BOX 8215 • EMERYVILLE, CA 94662-0905 415 / 653-6151

May 27, 1987

Alameda County Division of Environmental Health Hazardous Materials Management Program Underground Storage Tanks Unit 470-27th Street, Room 324 Oakland, CA 94612

Mr. Rafat Shahid, Chief Hazardous Waste Management Division

Enclosed are our Underground Storage Tank Permit Application forms. Where applicable, corrections or additions to the information have been made. We would like to point out especially that container Number 7 is now being used to store bunker oil rather than diesel as earlier reported and container Number 17 is abandoned and has not been in use since approximately, 1972.

Michael S. Herzeg

Manager, Process Engineering

MSH/jm \wp\msh1

13 - Registered 1 Abandmed 4 Sumps

INDEX

UNDERGROUND CONTAINERS

CONTAINER NO.	DESCRIPTION
1	.2 Diesel Tank No. 1
2	No.2 Diesel Tank No. 2
3	No.2 Diesel Tank No. 3
4	No.2 Diesel Tank No. 4
5	No.2 Diesel Tank No. 5
6	No.2 Diesel Tank No. 6
7	No. 2 Diesel Tank No. 7 (NOW BUNKER OIL)
8	No.2 Diesel Tank No. 8
9	No.2 Diesel Tank No. 9
10	No.2 Diesel Tank No.10
11	Gasoline Storage
12	Waste Oil Tank
13	Reclaim Pit
14	Plant Sump
15	No.2 Dryer Drainage Sump
16	Storm Water Sump
17	Crane Fuel Oil (Abandoned)
18	Cooling Tower Sump

STATE WATER RESOURCES CONTROL BOARD

PAUL R. BONDERSON BUILDING
901 P STREET
P.O. BOX 100
SACRAMENTO, CALIFORNIA 95801 (+15) 324-1262

RECEIVED 1986 MIT.

JULY 3, 1936



PFIZER INC. 455U SHELLMOUND STREET EMERYVILLE CA 94608 FACILITY: 00000003299
PFIZER INC.
4650 SELLMOUND STREET
EMERYVILLE CA 94608

SUBJECT: UNUSED UNDERGROUND STORAGE TANKS

DURING A STATEWIDE PROGRAM IN 1984, YOU REGISTERED THE JNDERGROUND STORAGE TANK(S) AT THE ABOVE FACILITY WITH THE STATE WATER RESOURCES CONTROL BOARD. ON YOUR FORMS, YOU INDICATED THAT ONE OR MORE TANKS AT THAT FACILITY ARE NO LONGER BEING USED. A NEW FEDERAL LAW REQUIRES THAT WE OBTAIN ADDITIONAL INFORMATION REGARDING UNUSED TANKS, SPECIFICALLY, THE TYPE AND QUANTITY OF SUBSTANCE LEFT STORED AT THE TIME THEY WERE TAKEN OUT OF SERVICE. PLEASE PROVIDE THIS INFORMATION IN THE SPACE BELOW. YOU ARE EXPECTED TO BASE YOUR RESPONSE ON REASONABLY AVAILABLE RECORDS, OR, IF NO RECORDS EXIST, YOUR KNOWLEDGE OR RECOLLECTION, OR WRITE "UNKNOWN". IF YEAR LAST USED IS UNKNOWN, PLEASE GIVE BEST ESTIMATE. AT MINIMUM WE NEED TO KNOW IF IT WAS BEFORE OR AFTER 1/1/74. CHECK THE "TANK CLOSED" BOX IF THE TANK HAS BEEN REMOVED OR FILLED WITH SAND, CONCRETE, OR OTHER SOLID MATERIAL.

SID	YOUR TANK NUMBER	CAPACITY IN GAL	YR LAST USED	SURSTANCE NAME	GALLONS	CLOSED
υ1 <i>/</i>	NO.17	14 885 <500	C.1972	Diesel fuel		()

STATE WATER RESOURCES

CONTROL BOARD

JUL Z 4 KLUI

THIS IS YOUR RECEIPT - THANK YOU

PLEASE SIGN BELOW AND RETURN TO BETTY MORENO, DIVISION OF WATER GUALITY, AT THE ABOVE ADDRESS WITHIN 15 DAYS OF RECEIPT. WE WILL MAIL YOU A RECEIPT. FAILURE TO RETURN THIS FORM MAY RESULT IN A FINE OF UP TO \$10,000. CALL THE ABOVE NUMBER IF YOU HAVE ANY QUESTIONS.

I CERTIFY UNDER PENALTY OF PERJURY UNDER THE LAWS OF CALIFORNIA THAT THE FOREGOING IS TRUE AND COPRECT.

PRINT M.S. HERZOG NAME: MOD DOM FOR 24 July 186



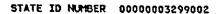


APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

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1		ENEWED PERMIT MENDED PERMIT) 07 TANK) 08 MINOR			() 09 URCHARGE)	DELET	E FROM	FILE (NO FEE)
I OWNER										
NAME(CORPORATION, INDIVIDUAL OR F	UBLIC A	GENCY)	·				PUBLIC AGENCY			() 03 LOCAL
STREET ADDRESS 4650 SHELLHOUND STREET					CITY EMERYV	ILLE		STAT CA	E	ZIP 94608
II FACILITY										
FACILITY NAME PFIZER INC.				DEALER/		V/SUPER	visar Leteolt	(- 1	
STREET ADDRESS 4650 SELLMOUND STREET				NEAREST POWELL	CROSS STREET	STREET		/ ·	.,,,	
CITY EMERYVILLE				COUNTY ALAMEDA				•	ZIP 94608	8
MAILING ADDRESS 4650 SHELLHOUND STREET				TTY MERYVILLE				STAT CA	l l	IP 4608 :
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSIN		STATION ()	() 02 01	THER PI	IGMENT MFGR.			,
NUMBER OF CONTAINERS 18	RURAL	AREAS ONLY :	TOWN	ISHIP		RANGE		SECT	ION	
III 24 HOUR EMERGENCY	CONT	ACT PERSON	1							
DAYS: NAME(LAST NAME FIRST) AND STANLEY, S. J. 415-65	PHONE W 3-6151	/AREA CODE		NIGHTS: STANLE			1E FIRST) AND 415-283-		W/ARE/	A CODE
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V CONTAINER CONSTRUC	TION									
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B. TX WE WASTED FLOCATED IN AN	UNDERG	ROUND VAULT)	170	2 NON-VAUL	TED () 03 Ur	KNOHN			
C. () 01 DOUBLE WALLED (X) 02		····	1							
D. (X) 01 CARBON STEEL () 02 S () 06 ALUMINUM () 07 ST () 12 UNKNOWN () 13 OTHER:	TAINLES EEL CLA	S STEEL () 0	3 FIE	BERGLASS () 04 F OSITE	POLYVINY	(L CHLORIDE (NON-METALLIC) 05	CONCRE	ETE



CONTAINER CONST	RUCTION			
E. () 01 RUBBER LINED () () (X) 07 UNLINED () () 02 ALKYD LINING () (08 UNKNOHN () 09 OTHER		4 PHENOLIC LINING () 05	GLASS LINING
F. () 01 POLYETHLENE WRAP (X) 06 TAR OR ASPHALT		() 03 CATHODIC PROT	ECTION () 04 UNKNOWN () 05 NONE
VI PIPING				
A. ABOVEGROUND PIPING: (CHECK APPROPRIATE BOX(E				VITY
B. UNDERGROUND PIPING: (CHECK APPROPRIATE BOX(E			E-LINED TRENCH () 03 GRA UNKNOWN () 07 NONE	VITY
VII LEAK DETECTION				
() 01 VISUAL (X) 02 STOO () 06 GROUND WATER MONI				
VIII CHEMICAL COMP				AINERS
CURRENTLY PREVIOUSLY DELETE STORED STORED	E CAS# (IF KNOWN)	CHEMICAL (D	O NOT USE COMMERCIAL NAME	· · ·
()01 ()02 ()03	3			
() 01 () 02 () 03	3			
() 01 () 02 () 03	3			
() 01 () 02 () 03	3	11		
() 01 () 02 () 03	3	11		
() 01 () 02 () 03	3			
() 01 () 02 () 03	3	11		
() 01 () 02 () 03	3			
()01 ()02 ()03	3	1 1		
()01 ()02 ()03	3			-
* CHECK STATE BOARD CHEMIC	CAL CODE LISTING FOR POS	SSIBLE SYNONYMS	1, 100	
IS CONTAINER LOCATED ON AN	AGRICULTURAL FARM? () 01 YES (X) 02 NO		
THIS FORM HAS BEEN COMPLETED	D UNDER THE PENALTY OF	PERJURY AND, TO THE BE	ST OF MY KNOWLEDGE, IS TRU	JE AND CORRECT.
PERSON FILING (SIGNATURE)	(0)	277	HONE W/AREA CODE	53-6151
FOR LOCAL AGENCY U	SE ONLY	Ud	/	
ADMINISTRATING AGENCY		CITY C	ODE	COUNTY CODE
CONTACT PERSON		P	HONE W/AREA CODE	
į	N COMPLIANCE	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #



APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

· · · · · · · · · · · · · · · · · · ·	RENEWED PERMIT		07 TANK 08 MINOR		(NO SL	() 09 (RCHARGE)	DELET	E FROM	FILE (NO	FEE)	
OWNER											
NAME(CORPORATION, INDIVIDUAL OR PUBLIC AGENCY) PFIZER INC.						PUBLIC AGENCY ONLY () 01 FED () 02 STATE () 03 LOCAL					
STREET ADDRESS 4650 SHELLHOUND STREET				CITY EMERYVI	VILLE				ZIP 94608		
I FACILITY											
:				GROTH. H. C. Motoulf. G.L.							
STREET ADDRESS 4650 SELLHOUND STREET			NEAREST CROSS STREET POWELL STREET							_	
EMERYVILLE			COUNTY	COUNTY ALAMEDA				21P 94608			
MAILING ADDRESS 4650 SHELLMOUND STREET		,	ITY MERYVILLE				STATE ZI		P 608	;	
PHONE W/AREA CODE TYPE OF BUSINESS 415-653-6151 () 01 GASOLINE STATION (X) 02 OTHER PIGMENT MFGR.											
NUMBER OF CONTAINERS RURA	L AREAS ONLY :	TOWNS	(IP	RANGE			SECTION				
III 24 HOUR EMERGENCY CON	TACT PERSON										
DAYS: NAME(LAST NAME FIRST) AND PHONE STANLEY, S. J. 415-653-6151			1	NAME(L		ME FIRST) AND 415-283-		W/AREA	CODE		
COMPLETE THE FOLL	OWING ON A	SEPA	RATE I	FORM	FOR E	EACH CONTA	INE	R			
V DESCRIPTION	<u> </u>									 -	
A. (X) 01 TANK () 04 OTHER:					CONTAINER NUMBER NO.2 /						
B. MANUFACTURER (IF APPROPRIATE): MOD	ERN HELDING		1	EAR MF6	: 1973	C. YEAR INST	ALLED	1973	() UNK!	NOMN	
D. CONTAINER CAPACITY: 12000 GALLO	ONS () UNKNOWN	E. 00	DES THE (CONTAINE	R STOR	E: () 01 WAST	E (X) 02 PR	ODUCT		
F. DOES THE CONTAINER STORE MOTOR VEH: () 01 UNLEADED () 02 REGULAR (PPROPRI	ATE BOX(ES):	
CONTAINER CONSTRUCTION	4					,					
A. THICKNESS OF PRIMARY CONTAINMENT: ().25 ()	GAUGE	(X) IM	CHES () CM	() UNKNOWN					
B. () 01 VAULTED (LOCATED IN AN UNDER	RGROUND VAULT)	(X) 0S	NON-VAU	LTED () 03 U	NKHOMN					
C. () 01 DOUBLE WALLED (X) 02 SINGL	E WALLED () 03	LINED									
D. (X) 01 CARBON STEEL () 02 STAINLE () 06 ALUMINUM () 07 STEEL CE) 05	CONCRE	TE		



CONTAINER CONSTRUCTION

E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPO (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:	XY LINING () 04 PH	ENOLIC LINING () 05 GL	ASS LINING
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () (X) 06 TAR OR ASPHALT () 09 OTHER:	03 CATHODIC PROTECTI	ON () 04 UNKNOHN () (05 NONE
VI PIPING			
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05	() 02 CONCRETE-LI SUCTION () 06 UNK	NED TRENCH (X) 03 GRAVIT NOWN () 07 NONE	TY
B. UNDERGROUND PIPING: () 01 DOUBLE-HALLED PIPE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05	SUCTION () 06 UNK	NED TRENCH () 03 GRAVI NOHN () 07 NONE	TY
VII LEAK DETECTION			
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SM () 06 GROUND WATER MONITORING WELLS () 07 PRESSUR	IFF WELLS () 05 SE E TEST () 09 NONE	NSOR INSTRUMENT () 10 OTHER:	
VIII CHEMICAL COMPOSITION OF MATERIAL IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO C	S STORED IN U	NDERGROUND CONTAI	INERS
CURRENTLY PREVIOUSLY DELETE CASH (IF KNOWN) STORED STORED	CHEMICAL (DO NO	T USE COMMERCIAL NAME)	ž.
()01 ()02 ()03			
() 01 () 02 () 03		_	
()01 ()02 ()03			
()01 ()02 ()03			
() 01 () 02 () 03			
() 01 () 02 () 03			
()01 ()02 ()03			
()01 ()02 ()03			
()01 ()02 ()03			· · · · · · · · · · · · · · · · · · ·
() 01 () 02 () 03			
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE	E SYNONYMS	· · · · · · · · · · · · · · · · · · ·	
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01			
THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJU	RY AND, TO THE BEST !	OF MY KNOWLEDGE, IS TRUE	AND CORRECT.
PERSON FILING (SIGNATURE)	PHONE	WAREA CODE 415/6	53-G15/
FOR LOCAL AGENCY USE ONLY			
ADMINISTRATING AGENCY	CITY CODE	co	DUNTY CODE
CONTACT PERSON	PHON	E W/AREA CODE	
DATE OF LAST INSPECTION IN COMPLIANCE () 02 NO	IT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #





APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

		ENEWED PERMIT		() 07 TANK () 08 HINOR			() 09 URCHARGE)	DELET	E FROM	FILE (NO FEE)	
I OWNER											
HAME(CORPORATION, INDIVIDUAL OR PUBLIC AGENCY) PFIZER INC.					PUBLIC AGENCY			() 03 LOCAL			
STREET ADDRESS 4650 SHELLHOUND STREET					CITY EMERYV	EMERYVILLE			E	ZIP 94608	
II FACILITY											
FACILITY NAME PFIZER INC.				DEALER/ GROTH;		N/SUPER/	visor etralf	(<u>),</u>	۲		
STREET ADDRESS 4650 SELLMOUND STREET				NEAREST POWELL		STREET					
CITY EMERYVILLE				COUNTY	`			21P 94608			
MAILING ADDRESS 4650 SHELLMOUND STREET			3	CITY EMERYVILLE				STATI		P 608 .	
PHONE W/AREA CODE TYPE OF BUSINESS . 415-653-6151 () 01 GASOLINE STATION (X) 02 OTHER PIGMENT MFGR.										,	
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	TOW	WNSHIP	NAME RANGE				SECTION		
III 24 HOUR EMERGENCY C	TNO:	ACT PERSON	1								
DAYS: NAME(LAST NAME FIRST) AND PH STANLEY, S. J. 415-653-		AREA CODE		NIGHTS: STANLEY			1E FIRST) AND 415-283-		W/AREA	CODE	
COMPLETE THE FO	LLOV	NING ON A	SE	PARATE I	FORM	FOR E	ACH CONTA	AINE	R		
IV DESCRIPTION						1					
A. (X) 01 TANK () 04 OTHER:					CONTAINER NUMBER NO.3						
B. MANUFACTURER (IF APPROPRIATE): MODERN WELDING YEAR MFG: 1973 C. YEAR INSTALLED 1973 () UNKNOWN											
D. CONTAINER CAPACITY: 12000 6	ALLON	5 () UNKHOWN	E.	. DOES THE C	ONTAIN	ER STORE	E: () 01 WAST	E (X) 02 PR	OUCT	
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR									PPROPRI.	ATE BOX(ES):	
V CONTAINER CONSTRUCT	'ION				- <u></u> ,	·					
A. THICKNESS OF PRIMARY CONTAINMEN	π: 0.1	25 ()	GAU	JGE (X) INC	HES () CH () UNKNOWN				
B. () 01 VAULTED (LOCATED IN AN U	NDERGI	ROUND VAULT)	(X)	02 NON-VAUL	TED () 03 UN	<u>a</u> KNOMN				
C. () 01 DOUBLE WALLED (X) 02 SI	INGLE 1	HALLED () 03	LIN	4ED							
D. (X) 01 CARBON STEEL () 02 STA () 06 ALUMINUM () 07 STEE () 12 UNKNOWN () 13 OTHER:	EL CLAD) 05	CONCRE	TE	



				
E. () 01 RUBBER LINED () 02 ALKYD LINING () (X) 07 UNLINED () 08 UNKNOWN () 09 OTH	03 EPOXY LINING	() 04 P	HENOLIC LINING () 05	elass finine
F. () 01 POLYETHLENE MRAP () 02 VINYL MRAPPING (X) 06 TAR OR ASPHALT () 09 OTHER:	G () 03 CATHOD:	C PROTECT	ION () 04 UNKNOWN () 05 NONE
VI PIPING			,	
A. ABOVEGROUND PIPING: () 01 DOUBLE-HALLI (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE	ED PIPE () 02 (() 05 SUCTION	CONCRETE-L	INED TRENCH (X) 03 GR. KNOWN () 07 NONE	AVITY
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLI (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE	ED PIPE () 02 ((X) 05 SUCTION	CONCRETE-L	INED TRENCH () 03 GR. KNOWN () 07 NONE	AVITY
VII LEAK DETECTION				
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 V/ () 06 GROUND WATER MONITORING WELLS () 07 F	APOR SNIFF WELLS PRESSURE TEST (() 05 S) 09 NONE	ENSOR INSTRUMENT () 10 OTHER:	
VIII CHEMICAL COMPOSITION OF MATE	RIALS STORED TO COMPLETE TH	ED IN U	NDERGROUND CONT	TAINERS
CURRENTLY PREVIOUSLY DELETE CASE (IF KNOWN) STORED STORED	CHEMI	CAL (DO N	OT USE COMMERCIAL NAME	;
() 01 () 02 () 03				
() 01 () 02 () 03				
() 01 () 02 () 03	11			
() 01 () 02 () 03	11			
()01 ()02 ()03 [[] [] [] []				
()01 ()02 ()03				
()01 ()02 ()03	11			
()01 ()02 ()03	11			
()01 ()02 ()03				
()01 ()02 ()03				
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR PO	CETRLE EVIDANVIO			
- CILCA STATE BOARD CITETION FOR FO	PATER SIMONIUS			
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02	NO .		
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF	PERJURY AND, TO	THE BEST (OF MY KNOWLEDGE, IS TRU	JE AND CORRECT.
PERSON FILING (SIGNATURE)	127	PHONE	415/653	-6151
FOR LOCAL AGENCY USE ONLY	70		-)	
ADMINISTRATING AGENCY		CITY CODE		COUNTY CODE
CONTACT PERSON		PHONE	W/AREA CODE	
DATE OF LAST INSPECTION IN COMPLIANCE () 01 YES () 02 NO	PERMIT APPROVAL	DATE	TRANSACTION DATE	LOCAL PERMIT ID #

										_
		ENEWED PERMIT MENDED PERMIT		() 07 TANK () 08 MINOR			() 09 URCHARGE)	DELET	E FROI	H FILE (NO FEE)
I OWNER										
NAME(CORPORATION, INDIVIDUAL OR PIPFIZER INC.	UBLIC A	GENCY)					PUBLIC AGENCY			E () 03 LOCAL
STREET ADDRESS 4650 SHELLHOUND STREET					CITY EMERYVILLE			STATE CA		ZIP 94608
II FACILITY	_									
FACILITY NAME PFIZER INC.	DEALER/ GROTH:		N/SUPER	visor ptcal-	<u> </u>					
STREET ADDRESS 4650 SELLHOUND STREET	NEAPEST POWELL			, , , , , , , , , , , , , , , , , , , 	·····					
CITY	COUNTY					ZIP 946	08			
MAILING ADDRESS C. 4650 SHELLHOUND STREET E								STAT CA	- 5	ZIP 94608
PHONE W/AREA CODE 415-653-6151	STATION (X	02 0	THER P	IGMENT MFGR.			,			
NUMBER OF CONTAINERS 18	RURAL	AREAS ONLY :	TOL	4NSHIP	IP RANGE			SECTION		
III 24 HOUR EMERGENCY	CONT	ACT PERSON	!							
DAYS: NAME(LAST NAME FIRST) AND STANLEY, S. J. 415-65		/AREA CODE		NIGHTS: STANLEY			ME FIRST) AND 415-283-		W/ARI	EA CODE
COMPLETE THE F	OLLO	A NO DNIM	SE	PARATE I	ORM	FOR I	EACH CONTA	INE	R	
IV DESCRIPTION				<u> </u>		- 				
A. (X) 01 TANK () 04 OTHER:						CONTA	INER NUMBER NO	.4		
B. MANUFACTURER (IF APPROPRIATE)	HODE	RN HELDING		Υ	EAR MF	6: 1973	C. YEAR INST	ALLED	1973	() UNKNOWN
D. CONTAINER CAPACITY: 12000	GALLON	S () UNKNOWN	Ε.	. DOES THE C	ONTAIN	ER STOR	E: () 01 HAST	E (X) 02 1	PRODUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGUL	R VEHIC	LE FUEL OR WAS 03 PREMIUM (TE C	DIL ? (X) 01 04 DIESEL (YES (() 02 Waste o	NO IF YES CH IL () 06 OTH	ECK A ER	PPROP	RIATE BOX(ES):
V CONTAINER CONSTRUC	TION									
A. THICKNESS OF PRIMARY CONTAINM	ENT: 0.	25 ()	GAL	JGE (X) INC	HES () CM	() ИНКИОНИ			
B. () 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	(X)	02 NON-VAUL	.TED () 03 บ	NKNOWN			
C. () 01 DOUBLE WALLED (X) 02 :	SINGLE	WALLED () 03	LIN	4ED						
D. (X) DI CARBON STEEL () 02 S () 06 ALUMINUM () 07 STI () 12 UNKNOWN () 13 OTHER:	EEL CLA) 05	CONCI	RETE

HSC04~070185 (09/25/85)

E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:											
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN () 05 NONE (X) 06 TAR OR ASPHALT () 09 OTHER:											
VI PIPING .											
A. ABOVEGROUND PIPING: () 01 DOUBLE-HALLED PIPE () 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE											
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05 SUCTION () 06 UNKNOWN () 07 NONE											
VII LEAK DETECTION											
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF HELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:											
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION											
CURRENTLY PREVIOUSLY DELETE CASH (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED .											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
() 01 () 02 () 03											
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS											
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO											
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.											
PERSON FILING (SIGNATURE) PHONE W/AREA CODE 653-6151											
FOR LOCAL AGENCY USE ONLY											
ADMINISTRATING AGENCY CITY CODE COUNTY CODE											
CONTACT PERSON PHONE W/AREA CODE											
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #											



* - *=		ENEWED PERMIT MENDED PERMIT) 07 TANK) 08 HINOR				DELET	E FROM	1 FILE (NO	FEE)			
OWNER		<u> </u>		Mysseque sedes the large										
NAME(CORPORATION,INDIVIDUAL OR PU PFIZER INC.	LIC A	GENCY)					PUBLIC AGENCY			E () 03	LOCAL			
STREET ADDRESS 4650 SHELLHOUND STREET					CITY EMERYVI	LLE		1 ,		ZIP 94608				
II FACILITY														
FACILITY NAME PFIZER INC.				L L	GROTH, N. C. MPTGIL G. (.									
STREET ADDRESS 4650 SELLMOUND STREET	NEAREST POWELL	CROSS STREET	STREET		/ 									
CITY EMERYVILLE					١				ZIP 9460	08				
MAILING ADDRESS 4650 SHELLMOUND STREET		DITY EMERYVILLE				STAT CA		ZIP 94608	. ;					
PHONE W/AREA CODE 415-653-6151							STATION (X) 02 OTHER PIGMENT MFGR.							
NUMBER OF CONTAINERS 18	RURAL	AREAS ONLY :	NSHIP	RANGE			SECTION							
III 24 HOUR EMERGENCY (ONT	ACT PERSON	ŧ											
DAYS: NAME(LAST NAME FIRST) AND P STANLEY, S. J. 415-653		/AREA CODE		•	HAME()		ME FIRST) AND 415-283-		W/ARI	EA CODE	!			
COMPLETE THE FO	LLO	WING ON A	SEF	PARATE	FORM	FOR 1	EACH CONTA	AINE	R					
A. (X) 01 TANK () 04 OTHER:					CONTAINER NUMBER NO.5									
B. MANUFACTURER (IF APPROPRIATE):	MODE	RN WELDING		1	YEAR MFG	: 1973	C. YEAR INST	TALLED	1973	() UNI	(NOHN			
D. CONTAINER CAPACITY: 12000	BALLON	IS () UNKNOWN	E.	DOES THE	CONTAINE	R STOR	E: () 01 WAST	E (X) 02 1	PRODUCT				
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULA									PPROP	RIATE BOX	ES):			
V CONTAINER CONSTRUCT	TION													
A. THICKNESS OF PRIMARY CONTAINME	ΝΤ: O.	25 (_)	GAU	GE (X) IN	CHES () CH	() UNKNOWN							
8. () 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	(X)	02 NON-VAU	LTED () 03 U	NKNOWN							
C. () 01 DOUBLE HALLED (X) 02 S	INGLE	HALLED () 03	LIN	ED				-						
D. (X) 01 CARBON STEEL () 02 ST () 06 ALUMINUM () 07 STE () 12 UNKNOWN () 13 OTHER:) 05	CONC	RETE				



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:												
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 0 (X) 06 TAR OR ASPHALT () 09 OTHER:	3 CATHODIC PROTECT	ION () 04 UNKNOWN ()	05 NONE									
VI PIPING												
A. ABOVEGROUND PIPING: () 01 DOUBLE-MALLED PIPE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05			ITY									
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05			ITY									
VII LEAK DETECTION												
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:												
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS 1F YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION												
CURRENTLY PREVIOUSLY DELETE CASE (IF KNOWN) STORED STORED	CHEMICAL (DO N	OT USE COMMERCIAL NAME)										
()01 ()02 ()03												
()01 ()02 ()03												
(301 (302 (303												
()01 ()02 ()03	<u></u>											
() 01 () 02 () 03		<u> </u>										
()01 ()02 ()03												
()01 ()02 ()03												
()01 ()02 ()03		<u> </u>										
() 01 () 02 () 03												
() 01 () 02 () 03	, , , , , , , , , , , , , , , , , , ,											
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE	SYNONYMS											
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YE	S (X) 02 NO											
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY	' AND, TO THE BEST	OF MY KNOWLEDGE, IS TRUE	AND CORRECT.									
PERSON FILING (SIGNATURE)	РНО	4 15 65°	3-6151									
FOR LOCAL AGENCY USE DNLY	<u> </u>	/										
ADMINISTRATING AGENCY	CITY CODE	c	OUNTY CODE									
CONTACT PERSON	РНО	NE W/AREA CODE										
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT	APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #									
		· · · · · · · · · · · · · · · · · · ·										

		MENDED PERMIT		08 MINOR				DELET ———	E FROM	FILE (NO FEE)
I OWNER										
NAME(CORPORATION, INDIVIDUAL OR PUR PFIZER INC.	SLIC A	GENCY)					PUBLIC AGENCY			() 03 LOCAL
STREET ADDRESS 4650 SHELLMOUND STREET					CITY EMERYV	ILLE		STAT	Ε	ZIP 94608
II FACILITY					,					
FACILITY NAME PFIZER INC.	1		-	DEALER/ GROTH,	FOREMAN	4/SUPER	visor		5,6	`
STREET ADDRESS 4650 SELLHOUND STREET	ž.	T CROSS STREET	STREET			······································	•			
CITY EMERYVILLE		COUNTY				ZIP 94608				
MAILING ADDRESS 4650 SHELLMOUND STREET		CITY EHERYVILLE			STAT CA		IP 4608			
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSING		STATION ()	K) 02 Q1	THER P	IGMENT MFGR.			,
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	том	NSHIP		RANGE			ION	
III 24 HOUR EMERGENCY C	:ONT	ACT PERSON	1					···		
DAYS: NAME(LAST NAME FIRST) AND PH STANLEY, S. J. 415-653-		/AREA CODE			: NAME(1 Y, S. J.		ME FIRST) AND 415~283~		W/ARE/	A CODE
COMPLETE THE FO	ILLOI	AING ON A	SEI	PARATE I	FORM	FOR E	EACH CONTA	INE	R	
A. (X) 01 TANK () 04 OTHER:					CONTAINER NUMBER NO.6					
B. MANUFACTURER (IF APPROPRIATE):	MODE	RN WELDING		•	YEAR MF	3: 1973	C. YEAR INST.	ALLED	1973	() UNKNOHN
D. CONTAINER CAPACITY: 12000 6	SALLON	S () UNKNOWN	E.	DOES THE (CONTAIN	ER STOR!	E: () 01 WAST	E (X) 02 PI	RODUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR	VEHIC	LE FUEL OR WAS 03 PREMIUM (TE 0:	IL ? (X) 01 4 DIESEL (L YES (O STEAK	NO IF YES CHI	ECK A	PPROPR	IATE BOX(ES):
V CONTAINER CONSTRUCT	ION									
A. THICKNESS OF PRIMARY CONTAINMEN	₁τ: 0.	25 ()	GAU	GE (X) IN	CHES () CM (() UNKNOHN	·		
B. () 01 VAULTED (LOCATED IN AN L	NOERG	ROUND VAULT)	(X)	02 NON-VAUI	LTED () 03 U	NKNOHN			
C. () 01 DOUBLE WALLED (X) 02 51	(NGLE	HALLED () 03	LIN	ΈD						
D. (X) 01 CARBON STEEL () 02 STA () 06 ALUMINUM () 07 STEE () 12 UNKNOWN () 13 DTHER:	INLES	S STEEL () 0: D () 08 BRON	3 FII	BERGLASS () 04 F POSITE	OLYVIN	YL CHLORIDE (NON-METALLIC) 05	CONCRE	ETE



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:												
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING (X) 06 TAR OR ASPHALT () 09 OTHER:	() 03 CATHODIC PROT	ECTION () 04 UNKNOWN ()	05 NONE									
VI PIPING												
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE			тү									
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLE (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE		E-LINED TRENCH () 03 GRAVI UNKNOWN () 07 NONE	тү									
VII LEAK DETECTION												
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:												
VIII CHEMICAL COMPOSITION OF MATE IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRE			INERS									
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) STORED STORED	CHEMICAL (D	O NOT USE COMMERCIAL NAME)										
() 01 () 02 () 03		,										
() 01 () 02 () 03												
()01 ()02 ()03												
()01 ()02 ()03 [[] [] [] [] [11											
() 01 () 02 () 03	<u> </u>											
()01 ()02 ()03	<u> </u>											
() 01 () 02 () 03	_ 											
() 02 () 03	11											
()01 ()02 ()03	11											
() 01 () 02 () 03	11											
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR PO	SSIBLE SYNONYMS	en e										
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO											
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF	PERJURY AND, TO THE BE	ST OF MY KNOWLEDGE, IS TRUE	AND CORRECT.									
PERSON FILING (SIGNATURE)	e123 1	HONE WAREA CODE 45/65	53-6151									
FOR LOCAL AGENCY USE ONLY	<u> </u>	/										
ADMINISTRATING AGENCY	CITY	CODE	DUNTY CODE									
CONTACT PERSON		PHONE W/AREA CODE										
DATE OF LAST INSPECTION IN COMPLIANCE () 01 YES () 02 ND	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #									



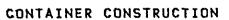
		NEWED PERMIT					() 09 1 URCHARGE)	DELETI	FROM	FILE (NO FEE)		
DWNER				"					•			
NAME(CORPORATION, INDIVIDUAL OR PUPFIZER INC.	BLIC AC	BENCY)						GENCY ONLY ED () 02 STATE () 03 LOCAL				
STREET ADDRESS 4650 SHELLMOUND STREET		#			CITY EMERYVILLE			STATE CA		ZIP 94608		
I FACILITY									·			
FACILITY NAME PFIZER INC.				DEALER GROTH,	FOREMAI	1	visor stralk	6,0	<u>, </u>			
STPEET ADDRESS 4650 SELLHOUND STREET		T CROSS STREET	STREET									
ETTY EMERYVILLE		COUNTY					ZIP 9460	8				
MAILING ADDRESS 4650 SHELLHOUND STREET		TY ERYVILLE				STAT		IP 4608				
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSING	TATION (X) 02 OTHER PIGMENT MFGR.									
NUMBER OF CONTAINERS 18	RURAL	AREAS ONLY :	TOWNS	HIP		RANGE			SECTION			
III 24 HOUR EMERGENCY	CONT	ACT PERSON	ł									
DAYS: NAME(LAST NAME FIRST) AND P STANLEY, S. J. 415-653		/AREA CODE		t	: NAME(Y, S. J		ME FIRST) AND 415-283-		W/ARE	A CODE		
COMPLETE THE F	DLLO	AING ON A	SEP	ARATE	FORM	FOR	EACH CONTA	INE	R			
A. (X) 01 TANK () 04 OTHER:				CONTAINER NUMBER NO.7								
B. MANUFACTURER (IF APPROPRIATE):	HODE	RN HELDING			YEAR MF	G; 1973	C. YEAR INST	ALLED	1973	() UNKNOWN		
D. CONTAINER CAPACITY: 12000	GALLON	S () UNKNOWN	E. 1	OOES THE	CONTAIN	ER STOR	E: () 01 WAST	E (X) 02 F	RODUCT		
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULA	VEHIC	LE FUEL OR WAS	TE 01	L ? (X) (DIESEL	1 YES () 05	() 02 Waste C	NO IF YES CH	IECK A	PPROPE	EROLL		
V CONTAINER CONSTRUC	TION				· · · · · · · · · · · · · · · · · · ·							
A. THICKNESS OF PRIMARY CONTAINS	NT: 0.	25 ()	GAUG	E (X) I	ICHES () CH	() UNKNOWN					
B. () 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	(X) 0	2 NON-VAL	ULTED () 03 t	NKNOHN					
C. () GI DOUBLE WALLED (X) D2 :	SINGLE	HALLED () DE	LINE	D				·				
D. (X) 01 CARBON STEEL () 02 S () 06 ALUMINUM () 07 ST () 12 UNKNOWN () 13 OTHER:	TAINLES	SS STEEL () C	3 FIB	ERGLASS) 09 COI	() 04 1POSITE	POLYVII	NYL CHLORIDE () 05	CONC	RETE		



() 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:										
() 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 64 UNKNOWN () 05 NONE (X) 06 TAR OR ASPHALT () 09 OTHER:										
'I PIPING										
A ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE										
3. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05 SUCTION () 06 UNKNOWN () 07 NONE										
II LEAK DETECTION										
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER HONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:										
III CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION										
CHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED										
() 01 () 02 () 03										
() 01 () 02 () 03]]]]										
() 02 () 03										
() 01 () 02 () 03										
() 01 () 02 () 03										
() 01 () 02 () 03										
() 01 () 02 () 03										
() 02 () 03										
() 02 () 03										
() 01 () 02 () 03										
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS										
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO										
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.										
PERSON FILING (SIGNATURE) PHONE W/AREA CODE/653-615/										
FOR LOCAL AGENCY USE ONLY										
ADMINISTRATING AGENCY CITY CODE COUNTY CODE										
CONTACT PERSON PHONE W/AREA CODE										
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #										



		ENEWED PERMIT MENDED PERMIT		07 TANK 08 MINO			() 09 URCHARGE)	DELET	E FROM	FILE (NO FEE)	
I OWNER					,						
NAME(CORPORATION.INDIVIDUAL OR PU PFIZER INC.	BLIC A	GENCY)			PUBLIC AGENCY ONLY () 01 FED () 02 STATE					() 03 LOCAL	
STREET ADDRESS 4650 SHELLMOUND STREET					CITY			STATE CA		ZIP 94608	
II FACILITY											
FACILITY NAME PFIZER INC.	_			GROTH, H. C. Metal G.C.							
STREET ADDRESS 4650 SELLMOUND STREET					CROSS STREET		——————————————————————————————————————				
EHERYVILLE					A				21p 94608	3	
MAŢLING ADDRESS 4650 SHELLMOUND STREET	EM!	ry E ryville				STAT CA		(P 1608 ;			
PHONE W/AREA CODE 415-653-6151	TYPE OF BUSINESS () 01 GASOLINE STATION (X) 02 OTH						IGMENT MFGR.			,	
NUMBER OF CONTAINERS 18	RURAL	AREAS ONLY :	TOWNS	HIP		RANGE			SECTION		
III 24 HOUR EMERGENCY C	ONT	ACT PERSON									
DAYS: NAME(LAST NAME FIRST) AND PR STANLEY, S. J. 415-653		/AREA CODE			: NAME(L Y, S. J.		ME FIRST) AND 415-283-		W/AREA	A CODE	
COMPLETE THE FO	LLOI	NING ON A	SEPA	RATE	FORM	FOR 1	EACH CONTA	INE	R		
A. (X) 01 TANK () 04 OTHER:				CONTAINER NUMBER NO.8							
B. MANUFACTURER (IF APPROPRIATE):	HODE	RN WELDING		·	YEAR MFG	: 1973	C. YEAR INST	ALLED	1973	() UNKNOWN	
D. CONTAINER CAPACITY: 12000 (SALLON	s () UNKNOWN	E. D	DES THE	CONTAINE	R STOR	E: () 01 HAST	E (X) 02 PF	RODUCT	
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR	S ()	LE FUEL OR WAS 03 PREMIUM ()	TE OIL X) 04 1	? (X) O	1 YES () 02 (NASTE O	NO IF YES CH IL () 06 OTH	ECK A ER	PPROPRI	(ATE BOX(ES):	
CONTAINER CONSTRUCT	TON			···							
A. THICKNESS OF PRIMARY CONTAINMEN	ντ: 0.	25 ()	GAUGE	(X) IN	CHES () CH	() UNKNOWN				
3. () O1 VAULTED (LOCATED IN AN (INDERG	ROUND VAULT)	(X) 02	NON-VAU	LTED () 03 U	NKNOHN				
C. () 01 DOUBLE HALLED (X) 02 S	[NGLE	HALLED () 03	LINED								
). (X) 01 CARBON STEEL () 02 ST/ () 06 ALUMINUM () 07 STEE () 12 UNKNOWN () 13 OTHER:	AINLES: EL CLA	S STEEL () 0: D () 08 BRONE	3 FIBE	RGLASS) 09 COM) 04 F POSITE	OLYVIN	YL CHLORIDE (NON-METALLIC) 05	CONCRE	ETE	



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:											
F. () 01 POLYETHLENE MRAP () 02 VINYL MRAPPING ((X) 06 TAR OR ASPHALT () 09 OTHER:) 03 CATHODIC PROTECT	ION () 04 UNKNOWN ()	05 NONE								
VI PIPING											
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PI (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE ()			TY								
B. UNDERGROUND PIPING: () 01 DOUBLE-HALLED PI (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X)			TY								
VII LEAK DETECTION											
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:											
/III CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION											
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) STORED STORED	CHEMICAL (DO N	OT USE COMMERCIAL NAME)	,								
() 01 () 02 () 03											
()01 ()02 ()03											
()01 ()02 ()03											
()01 ()02 ()03		,									
() 01 () 02 () 03											
() 01 () 02 () 03											
()01 ()02 ()03											
() 01 () 02 () 03			· · · · · · · · · · · · · · · · · · ·								
()01 ()02 ()03											
()01 ()02 ()03											
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIB	BLE SYNONYMS		<u> </u>								
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01	L YES (X) 02 NO										
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJ	JURY AND, TO THE BEST	OF MY KNOWLEDGE, IS TRUE	AND CORRECT.								
PERSON FILING (SIGNATURE)	РНО	1E W/AREA COPE 415/653	3-615/								
FOR LOCAL AGENCY USE ONLY) ()										
ADMINISTRATING AGENCY	CITY CODE	co	UNTY CODE								
CONTACT PERSON	РНО	E W/AREA CODE									
DATE OF LAST INSPECTION IN COMPLIANCE () 02 YES () 02 NO	RMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #								



		ED PERMIT			7 TANK ((NO SU	() 09 (JRCHARGE)	DELET	E FROM	FILE (NO FEE	'
OWNER												
NAME(CORPORATION, INDIVIDUAL OR PUBL PFIZER INC.	IC AGENC	(Y)				PUBLIC AGENCY ONLY () 01 FED () 02 STATE () 03 LC						
STREET ADDRESS 4650 SHELLMOUND STREET						ETY EMERYVI	LLE		STATI	E	ZIP 94608	
I FACILITY												
FACILITY NAME PFIZER INC.		DEALER/FOREMAN/SUPERVISOR GROTH. W. C. MPTGIF										
STREET ADDRESS 4650 SELLHOUND STREET	- 1	NEAPEST POWELL S										
CITY EMERYVILLE		- 1	COUNTY ALAMEDA					21P 94608)			
14 PLING ADDRESS 1450 SHELLHOUND STREET		EMER	YVILLE				STATI	1	608			
PHONE W/AREA CODE 415-653-6151								CEMENT MFGR.			,	
NUMBER OF CONTAINERS R	RURAL AREAS ONLY : TOWNSHIP						RANGE		SECT	ION		
III 24 HOUR EMERGENCY CO	ONTACT	PERSON	1									
DAYS: NAME(LAST NAME FIRST) AND PHO STANLEY, S. J. 415-653-6		A CODE			NIGHTS: STANLEY			1E FIRST) AND 415-283-		W/AREA	CODE	
COMPLETE THE FOLICY DESCRIPTION	LLOWIN	IG ON A	SEF	AR	ATE F	ORM I	FOR E	EACH CONTA	INE	R		
A. (X) 01 TANK () 04 OTHER:		#		· · · · · ·	CONTAINER NUMBER NO.9							
B. HANUFACTURER (IF APPROPRIATE):	MODERN N	IELDING			YI	EAR MFG	: 1973	C. YEAR INST	ALLED	1973	() UNKNOWN	,
D. CONTAINER CAPACITY: 12000 GA	LLONS () UNKNOWN	ε.	DOE	S THE C	ONTAINE	R STORE	E: () 01 WAST	E (X) 02 PR	RODUCT	
F. DOES THE CONTAINER STORE MOTOR V () 01 UNLEADED () 02 REGULAR										PPROPRI	(ATE BOX(ES):	:
CONTAINER CONSTRUCT	ION											
A. THICKNESS OF PRIMARY CONTAINMENT	r: 0.25	()	GAU	SE	(X) INC	HES () CM (() UNKNOWN				
9. () 02 VAULTED (LOCATED IN AN UN	1DERGROUN	40 YAULT)	(X) (02 N	10N-VAUL	TED () 03 Ut	NK NOMN				
C. () 01 DOUBLE WALLED (X) 02 SIN	GLE HALL	.ED () 03	LIN	ED								
). (X) 01 CARBON STEEL () 02 STAI () 06 ALUMINUM () 07 STEEL () 12 UNKNOWN () 13 OTHER:) 05	CONCRE	ITE	



E. () DI RUBBER LINED () D2 ALKYD LINING () (X) D7 UNLINED () D8 UNKNOWN () D9 OTHE		04 Pł	HENOLIC LINING () 05 GI	LASS LINING				
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING (X) 06 TAR OR ASPHALT () 09 OTHER:	() 03 CATHODIC PR	OTECT	CON () 04 UNKNOHN ()	05 NONE				
VI PIPING		 						
. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE								
. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05 SUCTION () 06 UNKNOWN () 07 NONE								
VII LEAK DETECTION								
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VA () 06 GROUND WATER HONITORING WELLS () 07 F				,				
VIII CHEMICAL COMPOSITION OF MATE IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRE				INERS				
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) STORED STORED	CHEMICAL	(DO NO	OT USE COMMERCIAL NAME)	3				
() 01 () 02 () 03								
() 01 () 02 () 03								
() 01 () 02 () 03]]							
() 01 () 02 () 03								
()01 ()02 ()03	11							
()01 ()02 ()03	11							
() 01 () 02 () 03				· · · · · · · · · · · · · · · · · · ·				
() 01 () 02 () 03								
() 01 () 02 () 03	11							
()01 ()02 ()03	11		······································					
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR PO	SSIBLE SYNONYMS							
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO							
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF	PERJURY AND, TO THE	BEST (OF MY KNOWLEDGE, IS TRUE	AND CORRECT.				
PERSON FILING (SIGNATURE)	13-09	PHONE	N/AREA CODE 15/65	53-615/				
FOR LOCAL AGENCY USE ONLY	90			'				
ADMINISTRATING AGENCY	CITY	CODE	cc	DUNTY CODE				
CONTACT PERSON	*	PHONE	WAREA CODE					
DATE OF LAST INSPECTION IN COMPLIANCE () 02 YES () 02 NO	PERMIT APPROVAL DAT	E	TRANSACTION DATE	LOCAL PERMIT ID #				



•		ENEWED PERMIT MENDED PERMIT) 07 TANK) 08 MINO				DELET	E FRO	M FILE (NO FEE)	
I OWNER			· ·					-			
NAME(CORPORATION, INDIVIDUAL OR PU	SLIC A	GENCY)		···			PUBLIC AGENCY		STAT	E () 03 LOCAL	
STREET ADDRESS 4650 SHELLMOUND STREET					CITY			STATE CA		ZIP 94608	
II FACILITY			_				_				
FACILITY NAME PFIZER INC.				DEALER.	FOREMAN	·^ -	tral (G. (
STREET ADDRESS 4650 SELLMOUND STREET				1	CROSS STREET	STREET					
CITY EMERYVILLE				COUNTY	١.				ZIP 946	08	
MAILING ADDRESS 4650 SHELLMOUND STREET								STAT CA	1	ZIP 94608 -	
PHONE W/AREA CODE 415-653-6151	1							·			
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	тоы	NSHIP	PANGE			SECTION			
III 24 HOUR EMERGENCY (ONT	ACT PERSON	ł			.,					
DAYS: NAME(LAST NAME FIRST) AND PI STANLEY, S. J. 415-653		/AREA CODE		1	: NAME(1 Y, S. J.		ME FIRST) AND 415-283-		W/AR	EA CODE	
COMPLETE THE FO) L L OI	NING ON A	SEF	PARATE	FORM	FOR !	EACH CONT	AINE	R		
A. (X) 01 TANK () 04 OTHER:						CONTA	INER NUMBER NO),10			
B. MANUFACTURER (IF APPROPRIATE):	MODE	RN WELDING	4·		YEAR MF	: 1973	C. YEAR INST	ALLED	1973	S () UNKNOWN	
D. CONTAINER CAPACITY: 12000	GALLON	s () UNKNOWN	E.	DOES THE	CONTAINI	R STOR	E: () 01 WAS	E (X) 02	PRODUCT	
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULA									PPROF	PRIATE BOX(ES):	
V CONTAINER CONSTRUCT	rion	·					··				
A. THICKNESS OF PRIMARY CONTAINME	NT: 0.	25 ()	GAU	GE (X) IN	CHES () CH	() UNKNOWN				
B. () 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	(X)	02 NON-VAU	LTED () 03 U	NKNOHN	·			
C. () 01 DOUBLE WALLED (X) 02 S	INGLE	WALLED () 03	LIN	ED							
D. (X) 01 CARBON STEEL () 02 ST () 06 ALUMINUM () 07 STE () 12 UNKNOWN () 13 OTHER:								() 05	CONC	CRETE	



		
E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:	() 04 PHENOLIC LINING () 05	GLASS LINING
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC (X) 06 TAR OR ASPHALT () 09 OTHER:	PROTECTION () 04 UNKNOWN () 05 NONE
VI PIPING		
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CO (CHECK APPROPRIATE BOXIES) () 04 PRESSURE () 05 SUCTION (NCRETE-LINED TRENCH (X) 03 GRA) 06 UNKNOWN () 07 NONE	VITY
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CON (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05 SUCTION (NCRETE-LINED TRENCH () 03 GRA) 06 UMKNOWN () 07 NONE	VITY
VII LEAK DETECTION		
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST ()	() 05 SENSOR INSTRUMENT 09 NONE () 10 OTHER:	
VIII CHEMICAL COMPOSITION OF MATERIALS STORES	D IN UNDERGROUND CONT	AINERS
CUPRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICA	AL (DO NOT USE COMMERCIAL NAME)	
() 01 () 02 () 03		
() 01 () 02 () 03		
(101 (102 (103		
() 01 () 02 () 03		
() 01 () 02 () 03		
() 01 () 02 () 03		
()01 ()02 ()03		
() 01 () 02 () 03		
() 01 () 02 () 03		
() 01 () 02 () 03 [] [] [] []		
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS		
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 N	NO	
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE	HE BEST OF MY KNOWLEDGE, IS TRU	E AND CORRECT.
PERSON FILING (SIGNATURE)	PHONE WAREA CODE 415/6	53-6151
FOR LOCAL AGENCY USE ONLY	/	<i></i>
ADMINISTRATING AGENCY CI	TTY CODE	COUNTY CODE
CONTACT PERSON	PHONE W/AREA CODE	
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL D	PATE TRANSACTION DATE	LOCAL PERMIT ID #



() 01 NEW PERMIT () 05 RENEW () 02 CONDITIONAL PERMIT () 06 AMEND			07 TANK 08 MINOF		(NO 51	() 09 I URCHARGE)	DELETI	E FROM	FILE (NO FEE)
I OWNER									
NAME(CORPORATION, INDIVIDUAL OR PUBLIC AGENC PFIZER INC.	Υ)					PUBLIC AGENCY			() 03 LOCAL
STREET ADDRESS 4650 SHELLMOUND STREET			CITY EMERYVI	LLE		STATE CA		ZIP 94608	
II FACILITY									
PACILITY NAME PRIZER INC. DEALER/FOREMAN/SUPERVISOR GROTH. W. C. Metcalt									
STREET ADDRESS 4650 SELLMOUND STREET				CROSS STREET			-		
CITY EMERYVILLE			COUNTY	١				ZIP 94608	
MAILING ADDRESS 4650 SHELLHOUND STREET		CIT EME	Y RYVILLE				STATE		P 608
1	e of Busine) 01 Gasoli		TION ()	K) 02 OT	HER P	IGMENT MFGR.			
NUMBER OF CONTAINERS RURAL ARE	AS ONLY :	TOWNSH	HIP RANGE				SECTION		
III 24 HOUR EMERGENCY CONTACT	PERSON			·				•	
DAYS: NAME(LAST NAME FIRST) AND PHONE W/ARE STANLEY, S. J. 415-653-6151	A CODE		1	: NAME(L Y, S. J.		ME FIRST) AND 415-283-		W/AREA	CODE
COMPLETE THE FOLLOWIN	G ON A	SEPAI	RATE	FORM	FOR E	EACH CONTA	INE	R	
A. (X) 01 TANK () 04 OTHER:					CONTA	INER NUMBER NO	.11		
B. MANUFACTURER (IF APPROPRIATE): UNK.			,	YEAR MFG	:	C. YEAR INST	STALLED (X) UNKNOWN		
D. CONTAINER CAPACITY: 1000 GALLONS () UNKNOWN	E. DO	ES THE (CONTAINE	R STOR	E: () 01 WAST	E (X) 02 PR	DOUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE F () 01 UNLEADED (X) 02 REGULAR () 03								PPROPRI	ATE BOX(ES):
V CONTAINER CONSTRUCTION	·	. 							
A. THICKNESS OF PRIMARY CONTAINMENT:	()	GAUGE	() IM	CHES () CM	(X) UNKHOUN			
B. () 01 VAULTED (LOCATED IN AN UNDERGROUN	D VAULT)	() 02	NON-VAU	LTED (X) 03 U	NKNOHN			
C. () 01 DOUBLE WALLED () 02 SINGLE WALL	ED () 03	LINED				······································			
D. () 01 CARBON STEEL () 02 STAINLESS ST () 06 ALUMINUM () 07 STEEL CLAD ((X) 12 UNKNOWN () 13 OTHER:) 05	CONCRE	TE



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING () 07 UNLINED (X) 08 UNKNOWN () 09 OTHER:									
F. () 01 POLYETHLENE HRAP () 02 VINYL HRAPPING () 03 CATHODIC PROTECTION (X) 04 UNKNOWN () 05 NONE () 06 TAR OR ASPHALT () 09 DTHER:									
/I PIPING									
. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE									
. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE (X) 05 SUCTION () 06 UNKNOWN () 07 NONE									
VII LEAK DETECTION									
() 01 VISUAL (X) 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE () 10 OTHER:									
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION									
CURPENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) GHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED									
() 01 () 02 () 03									
() 01 () 02 () 03									
() 02 () 03									
()01 ()02 ()03									
() 01 () 02 () 03									
() 01 () 02 () 03									
()01 ()02 ()03									
() 01 () 02 () 03									
()01 ()02 ()03									
() 01 () 02 () 03									
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS									
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO									
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.									
PERSON FILING (SIGNATURE) PHONE W/AREA CODE 415/653-615/									
FOR LOCAL AGENCY USE ONLY									
ADMINISTRATING AGENCY CITY CODE COUNTY CODE									
CONTACT PERSON PHONE W/AREA CODE									
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #									



• • • • • • • • • • • • • • • • • • • •		ENEWED PERMIT MENDED PERMIT	-) 07 TANK) 08 MINO				DELET	E FROM	FILE (NO FE	£)
I OWNER											
NAME(CORPORATION, INDIVIDUAL OR PUBL PFIZER INC.	IC A	GENCY)					PUBLIC AGENCY			() 03 LOC	AL
STREET ADDRESS 4650 SHELLMOUND STREET					CITY EMERYVI	LLE		STAT	E	21P 94608	
II FACILITY											
FACILITY NAME PFIZER INC.				DEALER GROTH;	/FOREMAN	SUPER'	visor Metea	2R			
STREET ADDRESS 4650 SELLHOUND STREET					T CROSS	STREET				·	
CITY EMERYVILLE				COUNTY ALAMED					ZIP 9460	8	
MAÇLING ADDRESS 4650 SHELLMOUND STREET				CITY EMERYVILLE				STAT CA	1	TP 14608	;
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSINE		STATION (X) 02 01	THER P	IGMENT MFGR.				
NUMBER OF CONTAINERS R	RURAL AREAS ONLY : TOWNSHIP				P RANGE			SECTION			
III 24 HOUR EMERGENCY CO	דאס	ACT PERSON	1								
DAYS: NAME(LAST NAME FIRST) AND PHO STANLEY, S. J. 415-653-6		/AREA CODE			: NAME(L		ME FIRST) AND 415-283-		W/ARE	A CODE	
COMPLETE THE FOI	LLOI	WING ON A	SE	PARATE	FORM	FOR I	EACH CONTA	INE	R		
A. (X) O1 TANK () 04 OTHER:						CONTA	INER NUMBER NO	.12			
B. MANUFACTURER (IF APPROPRIATE):	UNK.				YEAR MFG): 	C. YEAR INST	STALLED 1972 () UNKNOWN			N
D. CONTAINER CAPACITY: 300 GA	ALLON	is () Unknown	€.	. DOES THE	CONTAIN	ER STOR	E: (X) OI WAST	E () 02 F	PRODUCT	
F. DOES THE CONTAINER STORE MOTOR \ () 01 UNLEADED () 02 REGULAR									PPROPR	TATE BOX(ES)	:
V CONTAINER CONSTRUCT	ION					·					
A. THICKNESS OF PRIMARY CONTAINMENT	T:	()	GAL	JGE () IN	ICHES () CH	(X) UNKHOWN	······		·	
B. () O1 VAULTED (LOCATED IN AN UR	NDERG	ROUND VAULT)	(X)	02 NON-VAU	ILTED () 03 U	JAKHOWN	·			
C. () 01 DOUBLE HALLED (X) 02 SIN	NGLE	HALLED () 03	LIN	HED							
D. (X) 01 CARBON STEEL () 02 STATE () 06 ALUMINUM () 07 STEEL () 12 UNKNOWN () 13 OTHER:) 05	CONCR	RETE	



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING () 07 UNLINED (X) 08 UNKNOWN () 09 OTHER:
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION (X) 04 UNKNOWN () 05 NONE () 06 TAR OR ASPHALT () 09 OTHER:
VI PIPING
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN (X) 07 NONE
B. UNDERGROUND PIPING: () 01 DOUBLE-HALLED PIPE () 02 CONCRETE-LINED TRENCH (X) 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE
VII LEAK DETECTION
() 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST (X) 09 NONE () 10 OTHER:
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) ; STORED STORED
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
()01 ()02 ()03
()01 ()02 ()03
()01 ()02 ()03
()01 ()02 ()03
()01 ()02 ()03
() 01 () 02 () 03
() 01 () 02 () 03
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.
PERSON FILING (SIGNATURE) (C) He 2-8 PHONE M/AREA CODE 45/653-6151
FOR LOCAL AGENCY USE ONLY
ADMINISTRATING AGENCY CITY CODE COUNTY CODE
CONTACT PERSON PHONE W/AREA CODE
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #



		ENEWED PERMIT MENDED PERMIT) 07 TANK) 08 HIND		(NO S	() 09 URCHARGE)	DELET	E FROM	f FILE (NO FEE)
I OWNER										
NAME(COPPORATION, INDIVIDUAL OR PU PFIZER INC.	BLIC A	GENCY)					PUBLIC AGENCY	ONLY) 02	STATE	() 03 LOCAL
STREET ADDRESS 4650 SHELLMOUND STREET		CITY EMERYVI	LLE		STATE CA		ZIP 94608			
II FACILITY										
FACILITY NAME PFIZER INC.				DEALER GROTH	FOREMAN		tralf C	· . (
STREET ADDRESS 4650 SELLHOUND STREET					CROSS STREET					
CITY EMERYVILLE				COUNTY					ZIP 9460	08
MAILING ADDRESS 4650 SHELLMOUND STREET	_			CITY EMERYVILLE				STAT		H4608
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSING		STATION (K) 02 01	HER P	IGHENT MFGR.			•
NUMBER OF CONTAINERS 18	RUPAL	AREAS ONLY :	том	HSHIP	RANGE			SECTION		
III 24 HOUR EMERGENCY (CONT	ACT PERSON	ι							
DAYS: NAME(LAST NAME FIRST) AND P STANLEY, S. J. 415-653		/AREA CODE			: HAME(L		ME FIRST) AND 415-283-		W/ARE	A CODE
COMPLETE THE FO	JLLOI	NING ON A	SEI	PARATE	FORM	FOR E	EACH CONTA	INE	R	
A. (X) 01 TANK () 04 OTHER:	<u></u>					CONTA	INER NUMBER NO	.13		
B. MANUFACTURER (IF APPROPRIATE):	PFIZ	ER			YEAR MFE	: 1982	C. YEAR INST	ALLED	1982	() UNKNOWN
D. CONTAINER CAPACITY: 2022	GALLON	S () UNKNOWN	E.	DOES THE	CONTAINE	R STOR	E: () 01 WAST	E (X) 02 F	PRODUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULA	VEHIC	LE FUEL OR WAS 03 PREMIUM (TE 0	IL ? () 0 4 DIESEL	L YES (X) 02 I	NO IF YES CH IL () 06 OTH	ECK A ER	PPROPE	RIATE BOX(ES):
V CONTAINER CONSTRUCT	rion									
A. THICKNESS OF PRIHARY CONTAINME	нт: О.	25 ()	GAU	GE (X) IN	CHES () CH	() UNKNOWN			
B. (X) 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	lacktriangle	02 NON-VAU	LTED () 03 U	NKNOMN			<u> </u>
C. () 01 DOUBLE HALLED (X) 02 S	INGLE	WALLED () 03	LIN	ED						
D. () 01 CARBON STEEL (X) 02 ST () 06 ALUHINUM () 07 STE () 12 UNKNOWN () 13 OTHER:) 05	CONCE	RETE



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NONE () 06 TAR OR ASPHALT () 09 OTHER:
VI PIPING
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE (X) 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION (X) 06 UNKNOWN () 07 MONE
B. UNDERGROUND PIPING: () 01 DOUBLE-HALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN (X) 07 NONE
VII LEAK DETECTION
() 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST (X) 09 NONE () 10 OTHER:
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) : STORED STORED
(X) 01 () 02 () 03 113093711 * IRON OXIDE _ (BLACK OXIDE OF IRON) Plan Iron Oxide
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
() 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
(101 (102 (303
() 02 () 03
() 01 () 02 () 03 }
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.
PERSON FILING (SIGNATURE) PHONE W/AREA CODE 653-6151
FOR LOCAL AGENCY USE ONLY
ADMINISTRATING AGENCY CITY CODE COUNTY CODE
CONTACT PERSON PHONE W/AREA CODE
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #

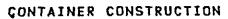


	05 RENEWED PERMIT 06 AMENDED PERMIT		07 TANK 08 MINOR			() 09 I URCHARGE)	DELETI	E FROM	FILE (NO FEE)
I OWNER									
NAME(CORPORATION.INDIVIDUAL OR PUB PFIZER INC.	LIC AGENCY)					PUBLIC AGENCY			() 03 LOCAL
STREET ADDRESS 4650 SHELLMOUND STREET				CITY EMERYVI	ILLE		STATE CA		ZIP 94608
II FACILITY									
FACILITY NAME PFIZER INC.			DEALER/	FOREMAN		visor etcell	G.	(.	
STREET AODRESS 4650 SELLMOUND STREET			NEAREST POWELL	CROSS STREET			-		
CITY EMERYVILLE .			COUNTY	\	,			ZIP 94608	
MAŢLING ADDRESS 4650 SHELLHOUND STREET		CIT	Y RYVILLE				STATI CA		P 608 ;
PHONE W/AREA CODE 415-653-6151	TYPE OF BUSI		TION ()	() 02 01	THER P	IGMENT MFGR.			,
NUMBER OF CONTAINERS 18	RUPAL AREAS ONLY :	TOWNSH	HIP RANGE			SECTION			
III 24 HOUR EMERGENCY C	ONTACT PERSO	N	-				-		
DAYS: NAME(LAST NAME FIRST) AND PH STANLEY, S. J. 415-653-				NAME(L		ME FIRST) AND 415-283-		W/AREA	CODE
COMPLETE THE FO	LLOWING ON A	SEPA	RATE I	FORM	FOR E	EACH CONTA	INE	R	
A. 125 OF FANK (X) 04 OTHER: SUN	иР				CONTA	INER NUMBER NO	.14		
B. MANUFACTURER (IF APPROPRIATE):	PFIZER			EAR MFG	: 1956	C. YEAR INST	ALLED	1956	() UNKNOHN
D. CONTAINER CAPACITY: 36000 G	ALLONS () UNKNOWN	E. DO	ES THE C	:ONTAINE	R STOR	E: (X) 01 WAST	E () 02 PR	OOUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR								PPROPRI	ATE BOX(ES):
V CONTAINER CONSTRUCT	ION	-	· · · · · · · · · · · · · · · · · · ·	in the second se					
A. THICKNESS OF PRIMARY CONTAINMEN	Τ: () GAUGE	() INC	CHES () CM	(X) UNKNOWN			
B. () 01 VAULTED (LOCATED IN AN U	NDERGROUND VAULT)	(X) 02	NON-VAUI	TED () 03 U	NKNOHN			
C. () 01 DOUBLE WALLED (X) 02 SI	NGLE WALLED () 0	3 LINED							
0. () 01 CARBON STEEL () 02 STA							X) 05	CONCRE	TE



() 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:								
. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NONE () 06 TAR OR ASPHALT () 09 OTHER:								
I PIPING								
ABOVEGROUND PIPING: () 01 DOUBLE-HALLED PIPE (X) 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION (X) 05-UNKNOWN () 07 NONE								
UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN (久) 07 NONE								
II LEAK DETECTION								
() 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST (X) 09 NONE () 10 OTHER:								
III CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION								
JRRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME)								
(X) 01 () 02 () 03 /1/5/0/9/3/7/17 * IRON OXIDE (BLACK EXIDE OF IRON) Yellow (COL OXID								
(X) 01 () 02 () 03 7 7 8 2 6 3 0 FERROUS SULFATE								
() 01 () 02 () 03								
(101 (102 (103								
() OI () O2 () O3								
() 01 () 02 () 03								
() 01 () 02 () 03								
() 01 () 02 () 03								
() 01 () 02 () 03								
() 01 () 02 () 03								
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS								
S CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO								
IS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.								
ERSON FILING (SIGNATURE) COLUZA PHONE W/AREA CODE 415/653-615/								
OR LOCAL AGENCY USE ONLY								
OMINISTRATING AGENCY CITY CODE COUNTY CODE								
ONTACT PERSON PHONE W/AREA CODE								
ATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCAL PERMIT ID #								

APPLICATION	FOR	PERMIT T	O OP	ERATE	UNDE	RGROU	JND STORAG	E T	ANK		
		ENEWED PERMIT MENDED PERMIT		07 TANK 08 HINO		(NO S	() 09 I URCHARGE)	DELET	FROM	FILE (NO FEE)	
OWNER							·		******		
NAME(CORPORATION, INDIVIDUAL OR PUB PFIZER INC.	ILIC AC	BENCY)					PUBLIC AGENCY			() 03 LOCAL	
TREET ADDRESS 650 SHELLHOUND STREET CA STATE ZIP 660 SHELLHOUND STREET											
I FACILITY					,						
FACILITY NAME PRIZER INC.		DEALER.	FOREMAN		visor traif GiL	. ,					
STREET ADDRESS 6550 SELLMOUND STREET				1	T CROSS STREET	STREET			1 <u></u>		
ETTY EMERYVILLE				COUNTY ALAMED	A .				ZIP 94608	8	
MAILING ADDRESS MASSO SHELLMOUND STREET				TY ERYVILLE				STATE		IP 4608	
PHONE W/AREA CODE \$15-653-6151		TYPE OF BUSINE		ATION (K) 02 OT	HER P	IGMENT MFGR.	<u></u>		•	
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	TOWNSHIP RANGE					SECT			
II 24 HOUR EMERGENCY C	LTNO:	ACT PERSON									
DAYS: NAME(LAST NAME FIRST) AND PH STANLEY, S. J. 415-653-		AREA CODE			NAME(LY, S. J.		ME FIRST) AND 1 415-283-		W/ARE	A CODE	
COMPLETE THE FO	LLO	NING ON A	SEPA	RATE	FORM	FOR E	EACH CONTA	INE	R		
V DESCRIPTION	<u></u>			·		,		···		····	
A. AND JANK X 04 OTHER: 50	MP			·		CONTA	INER NUMBER NO	. 15			
3. MANUFACTURER (IF APPROPRIATE):	PFIZI	ER		·	YEAR MFG	: 1972	C. YEAR INST	ALLED	1972	() UNKNOWN	
D. CONTAINER CAPACITY: 673 6	SALLON	S () UNKNOWN	E. D	DES THE	CONTAINE	R STOR	E: (X) 01 WAST!	E ()) 02 PI	RODUCT	
T. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULAR									PROPR:	IATE BOX(ES):	
CONTAINER CONSTRUCT	ION										
A. THICKNESS OF PRIMARY CONTAINMEN	π: 4	()	GAUGE	(X) IN	CHES () CH	() UNKNOWN				
3. () OI VAULTED (LOCATED IN AN C	MOERGI	ROUND VAULT) ((X) 02	NON-VAU	LTED () 03 U	NKHOWN				
. () 01 DOUBLE HALLED (X) 02 SI	INGLE I	HALLED () 03	LINED								
). () 01 CARBON STEEL () 02 STA () 06 ALUMINUM () 07 STEE () 12 UNKNOWN () 13 OTHER:								K) 05	CONCR	ETE	



E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LI (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:	Ining
F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NOT () 06 TAR OR ASPHALT () 09 OTHER:	NE
VI PIPING	
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE (X) 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION (X) 06 UNKNOWN () 07 NONE	
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN 500 07 NONE	
VII LEAK DETECTION	
() 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF HELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING HELLS () 07 PRESSURE TEST () 09 NONE (*) 10 OTHER: INTERIOR I	iuspection
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINER IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION	RS
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED	,
(X) 01 () 02 () 03 15 0 9 5 7 1 * IRON OXIDE 18LACK OXIDE OF IRON) YELLO	ow IRON
()01 ()02 ()03	NIDE
() 01 () 02 () 03	
() 01 () 02 () 03	
() 02 () 03	
()01 ()02 ()03	
()01 ()02 ()03	
()01 ()02 ()03	
() 01 () 02 () 03	
()01 ()02 ()03	
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS	
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO	
THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CO	CORRECT.
PERSON FILING (SIGNATURE) PHONE W/AREA CODE 415/653-61	5
FOR LOCAL AGENCY USE ONLY	!
ADMINISTRATING AGENCY CITY CODE COUNTY	CODE
CONTACT PERSON PHONE W/AREA CODE	
DATE OF LAST INSPECTION IN COMPLIANCE PERMIT APPROVAL DATE TRANSACTION DATE LOCA	AL PERMIT ID #



		ENEWED PERMIT MENDED PERMIT) 07 TAN) 08 MIN			() 09 'URCHARGE)	DELETI	E FROM	1 FILE (NO FEE)
I OWNER					···		-			
NAME(CORFORATION, INDIVIDUAL OR PUB PFIZER INC.	SLIC A	SENCY)					PUBLIC AGENCY		STATE	E () 03 LOCAL
STREET ADDRESS 4650 SHELLMOUND STREET					CITY EMERYV	ILLE		STATI		21P 94608
II FACILITY				· · · · · · · · · · · · · · · · · · ·						
FACILITY NAME PFIZER INC.				1	R/FOREMA	N/SUPER	visor letralf,	G	, L	•
STREET ADDRESS 4650 SELLHOUND STREET				I	ST CROSS L STREET					
CITY EMERYVILLE				COUNT					ZIP 9461	08
MAILING ADDRESS 4650 SHELLMOUND STREET				CITY EMERYVILL	E			STAT CA		ZIP 94608 :
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSIN		STATION	(X) 02 0	THER P	TIGHENT MFGR.			•
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	TOL	INSHIP		RANGE		SECTION		
III 24 HOUR EMERGENCY (CONT	ACT PERSON	1							
DAYS: NAME(LAST NAME FIRST) AND PI STANLEY, S. J. 415-653		/AREA CODE		,	S: NAME(EY, S. J		ME FIRST) AND 415-283-		W/AR	EA CODE
COMPLETE THE FO)LLO	WING ON A	SE	PARATE	FORM	FOR	EACH CONTA	AINE	R	
A. () 01 TANK (X) 04 OTHER: SU	MP		-			CONTA	LINER NUMBER NO).16		
B. MANUFACTURER (IF APPROPRIATE):	PFIZ	ER			YEAR ME	6: 1976	C. YEAR INST	ALLED	1976	() UNKNOWN
D. CONTAINER CAPACITY: 1825	GALLON	S () UNKNOWN	E	. DOES THI	CONTAIN	IER STOR	RE: (X) 01 WAST	E () 02	PRODUCT
F. DOES THE CONTAINER STORE MOTOR () 01 UNLEADED () 02 REGULA	VEHIC	LE FUEL OR WAS	TE (DIL ? () 04 DIESEL	01 YES () 05	(X) 02 Waste (NO IF YES CHOIL () 06 OTH	IECK A	.PPROP	RIATE BOX(ES):
V CONTAINER CONSTRUCT	TION									
A. THICKNESS OF PRIMARY CONTAINME	NT: 6	()	GA	UGE (X)	INCHES () CH	() UNKNOWN			<u></u>
B. (X) 01 VAULTED (LOCATED IN AN	UNDERG	ROUND VAULT)	\Box	02 NON-V	ULTED () 03 (мкноми			
C. () 01 DOUBLE WALLED (X) 02 S	INGLE	HALLED () 03	s LI	NED						
D. () 01 CARBON STEEL () 02 ST () 06 ALUMINUM () 07 STE () 12 UNKNOWN () 13 OTHER:	AINLES	S STEEL () C	3 F 4ZE	IBERGLASS () 09 C	() 04 OMPOSITE	POLYVII	NYL CHLORIDE (0 NON-METALLIC	(X) 05	CONC	RETE

SUNTAINER CUNSTRUCTION
E. () 01 RUBBER LINED () 02 ALKYD LINING () 03 EPOXY LINING () 04 PHENOLIC LINING () 05 GLASS LINING (X) 07 UNLINED () 08 UNKNOWN () 09 OTHER:
F. () 01 POLYETHLENE MRAP () 02 VINYL MRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 HONE () 06 TAR OR ASPHALT () 09 OTHER:
VI PIPING
A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE (X) 02 CONCRETE-LINED TRENCH () 03 SRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE
B. UNDERGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) (X) 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE
VII LEAK DETECTION
() 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () 06 GROUND WATER MONITORING WELLS () 07 PRESSURE TEST () 09 NONE (X) 10 OTHER: INTERMED INTERCTION
VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION
CURRENTLY PREVIOUSLY DELETE CAS# (IF KNOWN) CHEMICAL (DO NOT USE COMMERCIAL NAME) STORED STORED
(X) 01 () 02 () 03 I R O N O X I D E NOT ON LIST
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
() 01 () 02 () 03
()01 ()02 ()03
()01 ()02 ()03
()01 ()02 ()03
() 02 () 03
* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS
IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? () 01 YES (X) 02 NO
HIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.
PERSON FILING (SIGNATURE) PHONE WAREA CODE 45 3 - 615 1
FOR LOCAL AGENCY USE ONLY
ADMINISTRATING AGENCY CITY CODE COUNTY CODE
CONTACT PERSON PHONE W/AREA CODE
DATE OF LAST THERESTON IN COMBITANCE DEPMIT ADDROVAL DATE TRANSACTION DATE LOCAL PROMIT TO B

() 01 YES () 02 NO

		NEWED PERMIT		07 TANK CLOSED 08 MINOR CHANGE	(NO S		ELETE	FROM	FILE (NO FEE)	
OWNER										
NAME(CORPORATION, INDIVIDUAL OR POPEZER INC.	JBLIC AC	SENCY)				PUBLIC AGENCY		STATE	() 03 LOCAL	
STREET ADDRESS 4650 SHELLMOUND STREET				CITY EMERYVI	LLE		STATE CA	·	ZIP 94608	
I FACILITY										
FACILITY NAME PFIZER INC.				DEALER/FOREMAN		etralt,	6,	<u>L,</u>		
STREET ADDRESS 4650 SELLMOUND STREET				NEAPEST CROSS POWELL STREET	STREET					
CITY EMERYVILLE	_			COUNTY ALAMEDA				ZIP 94608		
MATLING ADDRESS 4650 SHELLMOUND STREET			CIT	Y RY VILLE			STATE	1	p 608 ;	
PHONE W/AREA CODE 415-653-6151		TYPE OF BUSIN		TION (X) 02 0	THER F	PIGMENT MFGR.				
NUMBER OF CONTAINERS	RURAL	AREAS ONLY :	TOWNSH	IP	RANGE			SECTION		
III 24 HOUR EMERGENCY	CONT	ACT PERSON	1							
DAYS: NAME(LAST NAME FIRST) AND STANLEY, S. J. 415-65	PHONE W 3-6151	/AREA CODE		NIGHTS: NAME(STANLEY, S. J		AME FIRST) AND 415-283-		W/AREA	CODE	
COMPLETE THE F	OLLO	WING ON A	SEPA	RATE FORM	FOR	EACH CONTA	INE	R		
IV DESCRIPTION						<u></u>				
A. (X) 01 TANK () 04 OTHER:				CONTAINER NUMBER NO				0.17		
B. MANUFACTURER (IF APPROPRIATE)	: UNK.			YEAR MF	6:	C. YEAR INST	ALLED		(X) UNKNOWN	
D. CONTAINER CAPACITY:	GALLON	IS (X) UNKNOWN	E. DO	DES THE CONTAIN	ER STO	RE: () 01 WAST	E (X) 02 PI	RODUCT	
F. DOES THE CONTAINER STORE HOTO () 01 UNLEADED () 02 REGUL	X VEHIC	LE FUEL OF WAS	X) 04 [DIESEL () 05	WASTE (OIL () 06 OTH	ER	<u> </u>	IATE BOX(ES):	
V CONTAINER CONSTRU	CTION		_T	ank ei	MP	IY/N	5-T	ÛŪ	50	
A. THICKNESS OF PRIMARY CONTAIN	1ENT:	()	GAUGE	() INCHES () CH	(X) UNKNOWN				
B. () 01 VAULTED (LOCATED IN A	N UNDER	GROUND VAULT)	() 02	NON-VAULTED (X) 03	UNKNOWN				
C. () 01 DOUBLE WALLED () 02	SINGLE	WALLED () 0	S LINED							
D. () 01 CARBON STEEL () 02 () 06 ALUMINUM () 07 S (X) 12 UNKNOWN () 13 OTHER	STAINLE: TEEL CL	SS STEEL () (3 FIBE	RGLASS () 04) 09 COMPOSITE	POLYVI	NYL CHLORIDE (0 NON-METALLIC	() 05	CONCR	ETE	



	() 02 ALKYD LINING () () 08 UNKNOWN () 09 OTHER		04 PHENOLI	C LINING () 05 GL	ASS LINING
F. () 01 POLYETHLENE MR/ () 06 TAR OR ASPH/	AP () 02 VINYL WRAPPING ALT () 09 OTHER:	() 03 CATHODIC PR	OTECTION (X) 04 UNKNOWN () (D5 NONE
VI PIPING					
	() 01 DOUBLE-WALLED K(ES) () 04 PRESSURE (TY
	() 01 DOUBLE-WALLED K(ES) () 04 PRESSURE (ry
VII LEAK DETECTIO)N				
	TOCK INVENTORY () 04 VAR ONITORING WELLS () 07 PR				
	IPOSITION OF MATEI			RGROUND CONTAI	NERS
CURRENTLY PREVIOUSLY DELI STORED STORED	ETE CAS# (IF KNOWN)	CHEMICAL	(DO NOT USE	COMMERCIAL NAME)	:
() 01 () 02 ()	03	11			
()01 ()02 ()	03	11			
() 01 () 02 ()	03	11			
() 01 () 02 ()	03				
() 01 () 02 ()	03				
()01 ()02 ()		<u> </u>			
() 01 () 02 ()		_ <u></u>			
() 01 () 02 ()		1 1			
		1 1			
()01 ()02 ()		1 1		· · · · · · · · · · · · · · · · · · ·	
()01 ()02 ()					
* CHECK STATE BOARD CHE	11CAL CODE LISTING FOR POS	SSIBLE SYNONYMS			
IS CONTAINER LOCATED ON	AN AGRICULTURAL FARM? () 01 YES (X) 02 NO	~~·	terreto Elippopo y como estato y con	
HIS FORM HAS BEEN COMPLE	TED UNDER THE PENALTY OF I	PERJURY AND, TO THE	BEST OF MY	KNOWLEDGE, IS TRUE	AND CORRECT.
PERSON FILING (SIGNATURE	' lest.		PHONE W/AR	5/653-Ce	151
FOR LOCAL AGENCY	USE ONLY	00			`
ADMINISTRATING AGENCY		CITY	CODE	Col	UNTY CODE
CONTACT PERSON			PHONE W/AR	REA CODE	
DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL DAT	E TRANS	SACTION DATE	LOCAL PERMIT ID #
				·	



		ENEWED PERMIT MENDED PERMIT) 07 TANK) 08 MINO			() 09 (URCHARGE)	DELET!	E FROM	FILE (NO FEE	,
OWNER											_
NAME(CORPORATION, INDIVIDUAL OR PUBLIFIZER INC.	IC AC	SENCY)					PUBLIC AGENCY			() 03 LOCA	
TREET ADDRESS 650 SHELLMOUND STREET					CITY EMERYV	ILLE		STATE CA		ZIP 94608	
I FACILITY								·		-1	_
ACILITY NAME PFIZER INC.				DEALER/ GROTH		N/SUPER\	ptralf.	6.	۲,	-1	
TREET ADDRESS 650 SELLHOUND STREET					CROSS STREET						
TTY MERYVILLE				COUNTY ALAMED	١				ZIP 94608		
MAȚLING ADDRESS 1650 SHELLMOUND STREET				ITY MERYVILLE				STATI		P 608 ;	
HONE W/AREA CODE 15-653-6151		TYPE OF BUSINE		TATION (K) 05 0.	THER P	IGMENT MFGR.			•	
NUMBER OF CONTAINERS R	URAL	AREAS ONLY :	TOWNS	SHIP	PANGE			SECTION			
II 24 HOUR EMERGENCY CO	ONTA	CT PERSON									
AYS: NAME(LAST NAME FIRST) AND PHO TANLEY, S. J. 415-653-6		'AREA CODE			: NAME(1 Y, S. J		ME FIRST) AND 1 415-283-		W/AREA	CODE	
COMPLETE THE FOR	_ L O Þ	IING ON A	SEP	ARATE	FORM	FOR E	EACH CONTA	INE	R		
V DESCRIPTION					, ··					·····	
Error (X) 04 OTHER: SU	/M{)		· · · · · · · · · · · · · · · · · · ·		CONTA	INER NUMBER NO	.18			
B. MANUFACTURER (IF APPROPRIATE):	PFIZE	E ₹			YEAR MF	g:	C. YEAR INST.	ALLED		(X) UNKNOWN	
. CONTAINER CAPACITY: 748 GA	LLON	5 () UNKNOWN	E. 1	DOES THE	CONTAIN	ER STORI	E: () 01 WAST	E (X) 02 PR	ODUCT	
. DOES THE CONTAINER STORE HOTOR V	'EHICI	LE FUEL OR WAS'	TE 011	L?() O	1 YES	(X) 02 I	NO IF YES CHI	ECK A	PPROPRI	ATE BOX(ES):	
CONTAINER CONSTRUCT	[ON										
A. THICKNESS OF PRIMARY CONTAINMENT):	()	GAUG	E () IM	CHES () CM ((X) UNKNOWN				
3. () 01 VAULTED (LOCATED IN AN UN	IDERG!	CTJUAV GRUOS	() 0;	2 NON-VAU	LTED (K) 03 U	NKNOWN	<u></u>			
. () 01 DOUBLE HALLED (X) 02 SIN	IGLE I	HALLED () 03	LINE	D						<u> </u>	
). () 01 CARBON STEEL () 02 STAI () 06 ALUMINUM () 07 STEEL () 12 UNKNOWN () 13 OTHER:								X) 05	CONCRE	TE	



4	

Ę.	•) 01	RUBE	BER	LINED NED	_()	02	ALKYD	LI	NI	VG	£) ()3	EPOXY				 LINING			 NG	
_					***	_											 	 •	····	 ***	 	 	 	

F. () 01 POLYETHLENE WRAP () 02 VINYL WRAPPING () 03 CATHODIC PROTECTION () 04 UNKNOWN (X) 05 NONE () 06 TAR OR ASPNALY () 09 OTHER:

J	т	D	Ŧ	P	T	N	C

- A. ABOVEGROUND PIPING: () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION (X) 06 UNKNOWN () 07 NONE
- () 01 DOUBLE-WALLED PIPE () 02 CONCRETE-LINED TRENCH () 03 GRAVITY B. UNDERGROUND PIPING: (CHECK APPROPRIATE BOX(ES) () 04 PRESSURE () 05 SUCTION () 06 UNKNOWN () 07 NONE

VII LEAK DETECTION

() 01 VISUAL () 02 STOCK INVENTORY () 04 VAPOR SNIFF WELLS () 05 SENSOR INSTRUMENT () OG GROUND WATER MONITORING WELLS () OF PRESSURE TEST () OF NONE (X) 10 OTHER: INTELL OF INTRECTION

VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CUÉRENTLI STORED	PREVIOUSLY DELETE CASH (IF KNOWN) STORED	CHEMICAL (DO NOT USE COMMERCIAL NAME)
(X) 01	() 02 () 03 7 7 2 6 9 5 6	BROMINE S Walf treatment
(X) 01	() 02 () 03 7 4 3 9 9 8 7	HOLYBDENUM Che MICOELS
() 01	() 02 () 03	
() 01	() 02 () 03	
() 01	() 02 () 03	VERY LOW
() 01	() 02 () 03	CONCENDADOUS
() 01	() 02 () 03	CON CENTRATIONS
() 01	() 02 () 03	
() 01	() 02 () 03	
() 01	() 02 () 03	

* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS

-	IS CONTAINER LOCATED	ON AN AGRICULTURAL FARM?	() 01 YES (X) 02 HO
- 1			

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)	Ma Jesz	PHONE W/AREA CODE 653-651	
EUB IDUAL ACENUV HEE	UNI V		

FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY			CITY CODE		COUNTY CODE
CONTACT PERSON			PHONE W/AREA CODE		
DATE OF LAST INSPECTION	IN COMPLIANCE	PERMIT APPROVAL D	ATE	TRANSACTION DATE	LOCAL PERMIT ID #



415 / 653-6151

Bernard C. Bosse
Production Manager

PFIZER PIGMENTS INC.

A subsidiary of Pfizer Inc.

4650 SHELLMOUND ST. P.O. BOX 8215 EMERYVILLE, CA 94662



415 / 653-6151

NORMAN F.M. WONG DEPARTMENT MANAGER

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