

ALAMEDA COUNTY  
**HEALTH CARE SERVICES**

AGENCY

DAVID J. KEARS, Agency Director



**March 14, 2002**

**Mr. Richard Smith  
Viacom Inc.  
11 Stanwix Street  
Pittsburgh, PA 15222**

**Mr. Rich Robin  
Wareham Development  
1120 Nye Street  
Suite 400  
San Rafael, CA 94901**

**Subject: Former Westinghouse Electric Corporation Facility (WEC) Parcel 1 and 4 as shown in Alameda County Parcel Maps 7258, Located at 5815 Peladeau Street, Emeryville, California**

**Dear Mr. Smith and Mr. Robin:**

**This agency and Cal-EPA / San Francisco Bay Regional Water Quality Control (RWQCB) have reviewed the reports related to the removal of a cistern containing residual levels of PCBs and implementation of elements of the approved risk management plan during construction of Emerystation II. We are in receipt of the following reports, which have been approved by the agency:**

- 1. Excavation and removal of PCB-Impacted Soils at the Cistern Area, Former Westinghouse Electric Corporation Facility, Dated March 10, 2000, prepared by SOMA;**
- 2. Implementation of Site-Specific Risk Management Plan During Pile Cap Excavation at Emerystation II, Dated July 13, 2000, Prepared by SOMA.**

**The first report documents the discovery of a cistern during construction activities, characterization of the PCB-impacted soils around the cistern and disposal of PCB-impacted soil and cistern in an off-site location. The second report includes the characterization of the excavated soils during excavation of pile caps using PCB kits, and implementation of health and safety measures for protection of human health and environment during construction activities. The elements of the risk management plan, which was implemented by Viacom's consultant, SOMA Environmental included dust control, air monitoring, storm water pollution controls, de-watering and proper disposal of wastewater and protection of the existing groundwater monitoring wells. During the site characterization and disposal of the PCB-impacted soils and cistern, Alameda**

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

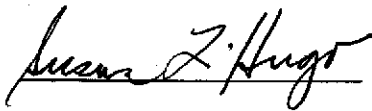
Mr. Smith and Mr. Robin  
Re: WEC Parcel 1 and 4 (5815 Peladeau Street, Emeryville)  
March 14, 2002  
Page 2 of 2

County representative was present at the site and supervised the entire waste removal processes.

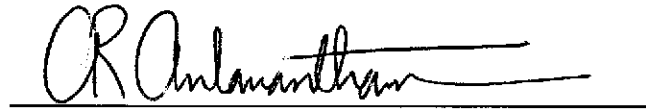
The Cal-EPA / San Francisco Bay RWQCB and this agency concur with the implementation of risk management plan during construction activities at this site. The soil disposal activities, cleanup levels and protection of construction workers health and the environment is consistent with the approved remedial goals described in the "Human Health Risk Assessment, 1996" for the WEC.

Thank you for your cooperation during construction activities and implementation of elements of risk management plan at the site. If you have any questions regarding this letter please contact me at (510) 567-6780 or Dr. Ravi Arulanantham at (510) 622-2308

Sincerely,



Susan L. Hugo  
Supervising HMS



Ravi Arulanantham, Ph. D.  
Staff Toxicologist, Cal-EPA/ S.F. Bay RWQCB

cc: Mee Ling Tung, Director, Environmental Health  
Stephen Morse, P.E. Asst. Executive Officer, S.F. Bay RWQCB  
Ignacio Dayrit, City of Emeryville, 3313 Park Ave., Emeryville, CA 94608  
SH / files

February 20, 2002

Mr. Richard Smith - (412) 642 3285  
Viacom Inc.  
11 Stanwix Street  
Pittsburgh, PA 15222

Subject: Former Westinghouse Electric Corporation Facility (WEC) Parcel 1 and 4 as shown in Alameda County Parcel Maps 7258, Located at 5815 Peladeau Street, Emeryville, California

This agency and Cal-EPA / San Francisco Bay Regional Water Quality Control (RWQCB) have reviewed the reports related to the removal of a cistern containing residual levels of PCBs and implementation of elements of risk management plan during construction of Emerystation II. We are in receipt of the following reports:

1. Excavation and removal of PCB-Impacted Soils at the Cistern Area, Former Westinghouse Electric Corporation Facility, Dated March 10, 2000
2. Implementation of Site-Specific Risk Management Plan During Pile Cap Excavation at Emerystation II, Dated July 13, 2000.

The first report documents the discovery of a cistern during construction activities, characterization of the PCB-impacted soils around the cistern and disposal of PCB-impacted soil and cistern in an off-site location. The second report includes the characterization of the excavated soils during excavation of pile caps using PCB kits, and implementation of health and safety measures for protection of human health and environment during construction activities. The elements of the risk management plan, which was implemented by Viacom's consultant, SOMA Environmental included dust control, air monitoring, storm water pollution controls, de-watering and proper disposal of wastewater and protection of the existing groundwater monitoring wells. During the site characterization and disposal of the PCB-impacted soils and cistern Alameda County representative was present at the site and supervised the entire waste removal processes.

The Cal-EPA / San Francisco Bay RWQCB and this agency concur with the implementation of risk management plan during construction activities at this site. The soil disposal activities, cleanup levels and protection of construction workers health and the environment is consistent with the approved remedial goals described in the "Human Health Risk Assessment, 1996" for the WEC.

# REMOVAL ACTION FACT SHEET

## 6121 HOLLIS STREET REDEVELOPMENT AND EXTENSION OF HORTON STREET

A public meeting will be held on Thursday, November 2, 2000, commencing at 6:30 P.M. at the Emeryville Fire Station at 6363 Hollis Street, Emeryville. Please see second page for more details.

### CIERRA

The City of Emeryville established CIERRA - Capital Incentives for Emeryville's Redevelopment and Remediation, which provides financial assistance to property owners, developers, and other interested parties in the cleaning up and redeveloping their properties. CIERRA is funded from the U.S. Environmental Protection Agency Brownfields Cleanup Revolving Loan Fund program, which requires that public participation activities be conducted for EPA-funded projects. The City's Public Participation Plan (PPP) describes the public participation activities for CIERRA. The objectives of the PPP are to keep the community informed, provide opportunities for input from the community, and monitor community concerns and respond to concerns in a timely manner.

This Removal Action Fact Sheet is a mechanism to inform the community about such cleanup activities. It summarizes the Engineering Evaluation and Cost Analysis (EE/CA) report that was prepared to evaluate alternatives for cleanup of soil in the project area that is impacted with polychlorinated biphenyls (PCBs)

### PROJECT SUMMARY

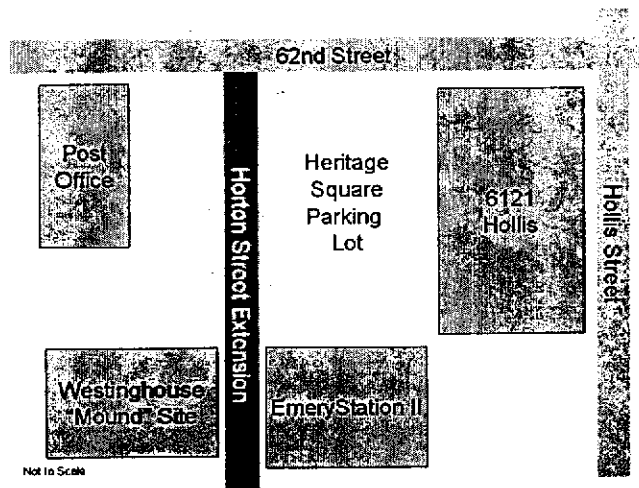
The project site is located at 6121 Hollis Street on property immediately north of the former Westinghouse Electric Corporation (Westinghouse) property at 5815 Peladeau Street in Emeryville, California. The property presently consists of an office building on much of the eastern portion of the Site, and an U.S. Post Office building on a portion of the western portion of the site (Figure, at right). The remaining area of the Site consists of a paved parking area used by

occupants of the office building and the U.S. Post Office.

The objectives of this Removal Action are to: 1) protect construction workers during road construction; 2) protect future utility workers; and 3) protect the existing soil cover (soil cap/paved parking lot).

To complete this project before the heavy seasonal rains begin in the San Francisco Bay area, this redevelopment and construction project is on an accelerated schedule. The estimated duration for this road construction project is two months. The soil excavation and subsequent disposal will occur within the first month of construction.

Two removal action alternatives were evaluated to meet the project objectives: 1) No Action; and 2) Limited Excavation, Offsite Disposal or Reuse, and Capping. The No Action Alternative consists of construction of the Horton Street extension above existing grade, no remediation of PCB impacted soil, and re-directing subsurface utilities.



The second Removal Action Alternative includes limited excavation of soil beneath the planned construction area required to prepare the road base, installation of subsurface utilities, and construction of a road as a cap. Excavated soil will be transported to either to a Class I or Class II landfill, depending on the concentrations of PCBs in the soil. Where possible, soil containing less than 50 ppm of PCBs will be reused as backfill material to reduce the need for soil hauling and disposal. Because PCB-affected soil will remain in the subsurface at the site, the completed roadway will provide a competent surface cap reducing the potential for surface water infiltration and preventing surface soil erosion.

The two alternatives were evaluated in the EE/CA against the criteria of effectiveness, implementability, and cost. The Alternative 1 would not provide any reduced future risk by removing the existing soil containing PCBs. Therefore, the long-term health risks of leaving the soil in place would remain unchanged from current conditions. Alternative 2 provides effective methods and procedures to control risks for current and future utility worker exposure and to provide long-term restricted access (surface cap) to PCB-affected soil left in place. The new road surface will provide an effective cap in restricting surface water infiltration through the soil containing PCBs and will prevent surface exposure and erosion of the PCB-affected soil.

The No Action Alternative may not be readily implementable because constructing a roadway on top of the existing grade may not be practical or appropriate in that area of Emeryville and relocating the subsurface utilities to avoid the PCB-affected soil may not be feasible. Alternative 2 is readily implementable and can be completed within the planned schedule.

Because the Alternative 1 is not as effective or implementable as Alternative 2, detailed cost estimates were not prepared. It was presumed that Alternative 1 would cost significantly more than the Alternative 2 because it would require significant design modifications, increased road construction costs, and increased cost to redirect subsurface utilities.

Alternative 2 is selected and recommended as the preferred Removal Action Alternative because it meets the removal action objectives and can be completed within the proposed construction project. This alternative provides the most effective, easily implemented, and lowest cost alternative to remove, handle, and dispose of soil containing PCBs and construct the Horton Road extension as a cap over PCB-affected soil left in place. This alternative is protective of current and future construction workers and the general public.

#### ***PUBLIC MEETING AND ADDITIONAL INFORMATION***

A public meeting will be held on Thursday, November 2, 2000, commencing at 6:30 P.M. at the Emeryville Fire Station at 6363 Hollis Street, Emeryville, to discuss the EE/CA for the proposed remedial activities at 6121 Hollis Street in Emeryville (Heritage Square parking lot). Copies of the EE/CA are available for review at the following locations in Emeryville:

- Emeryville Senior Center, 4321 Salem Street
- 45th Street Artist's Cooperative, 1420 45th Street (Call 510-655-2880 for appointment)
- City Clerk, Emeryville Administrative Offices, 2200 Powell Street, 12th Floor
- The City's webpage at <http://www.ci.emeryville.ca.us/> and click on the "What's New" section

All interested parties are invited to attend the public meeting and express opinions or submit comments relative to the EE/CA and proposed remedial action. Written comments should be received by November 20, 2000 and sent to the Emeryville Redevelopment Agency, Attn. CIERRA, 2200 Powell St., 12th Fl. Emeryville, CA 94608; phone number 510-596-4356.

**City of Emeryville**  
**2200 Powell Street, 12<sup>th</sup> Floor**  
**Emeryville, CA 94608**  
**p(510)596-4300/f(510)658-8095**

**Hugo, Susan, Public Health, EHS**

**From:** Hugo, Susan, Public Health, EHS  
**Sent:** Thursday, October 12, 2000 3:24 PM  
**To:** 'Ignacio Dayrit'; 'Geoff Sears'; 'Susan Colman'; 'Glenn Leong'  
**Cc:** 'Ravi Arulanantham'; Peacock, Tom, Public Health, EH; Levi, Ariu, Public Health, EH  
**Subject:** Draft Engineering Evaluation / Cost Analysis (EE/CA) for Horton Street Extension-  
6121 Hollis Street, Emeryville

To All Parties Involved in this Project:

Here are my comments regarding the submitted EE/CA

- My understanding is that **VIACOM / CBS** will be conducting the investigation / remediation/soil removal for the Horton Street Extension. How can Wareham apply for reimbursement from the grant?
- The executive summary and introduction refer to Wareham conducting the remedial soil activities for the Horton Street Extension. Please clarify. I have not received any workplan for the remedial activities to be conducted by Wareham. I have received and reviewed and provided comments for the "**Work Plan for Characterization and Remediation of PCB-Impacted Soils Beneath the Horton Street Right-of Way Extension Between 59<sup>th</sup> and 62<sup>nd</sup> Streets, Emeryville, CA**", prepared by SOMA Environmental Engineering on behalf of VIACOM / CBS and Wareham is in agreement with the general scope of the workplan ( based on teleconference between Geoff Sears, Mansour Sepehr and myself on 10/11/2000).
- Slurry wall was constructed to meet U.S.EPA Region 9 Consent Agreement and Final Order dated 10/30/84 and not the Cleanup and Abatement Order (CAO No.85-006) issued by the RWQCB (see page 4). The slurry wall area (capped area) is under the jurisdiction of USEPA Region 9. This agency (county) has no jurisdiction on the capped area. RWQCB also has referred the slurry wall area to EPA Region 9.
- To clarify regulatory oversight with regards to the area outside the slurry wall, Alameda County Environmental Health Services (ACEHS) has been overseeing the former Westinghouse site in Emeryville since the removal of a tank in 1988. RWQCB has been providing technical assistance for the site. I have not seen any reference to ACEHS oversight work for the subject site. ACEHS has been involved in the Emery Station 1, Emery Station 2 and Emery Station 3 development.
- Although the subject area is currently used as a parking lot, and the affected soil is capped with asphalt, removal of contaminated soil exceeding the approved clean up goals will eventually be required before the case can be closed.
- Groundwater sample (grab) has been collected and analyzed at the site (see page 5).
- Highest PCB concentration in soil within the Horton Street Extension easement was 1,990 ppm ( see page 6).

**Susan L. Hugo**  
Hazardous Materials Specialist

**ALAMEDA COUNTY ENVIRONMENTAL HEALTH - HAZARDOUS MATERIALS PROGRAM  
 INFORMATION PER SITE ON ALL DEPOSITS FROM ALL PAYORS**

as of 06/12/2000

**DATABASE: DEPREF**

**SITE INFORMATION from DepRef DB**

Westinghouse Electric  
 4899 Peladeau St  
 Emeryville CA 94608

StID: 5560 Site#: 3471 Site Complete?
--

**ALL PAYORS ON SITE**

- > **Project# 3471A** for Payor# 888 Westinghouse Electric Corp.  
 P.O. Box 2518  
 Pittsburgh PA 15230
  
- > **Project# 3471A** for Payor# 1136 C B S Corporation  
 P O Box 1905  
 Pittsburgh PA 15230
  
- > **Project# 3471B** for Payor# 1209

DR:WkShtPay

**DEPOSIT INFORMATION**

Project#	Rcpt#	DepDate	DepAmount	Proj Type	Deposit Complete	Insp Init	Collect Fees?
3471A	<-----						
	759471	07/18/1995	\$1,800.00	M		CL	
	806346	08/18/1998	\$8,000.00	A		CL	
	842404	02/14/2000	\$5,000.00	A		SH	
Total Deposit for Project:			14,800.00				
3471B	<-----						
	846706	03/17/2000	\$2,000.00	REM		SH	
Total Deposit for Project:			\$2,000.00				
<b>Total Deps for all Sites :</b>			<b>16,800.00</b>				

Report WkShtDep Complete; 6/99

LAST WORK DATE FROM BILLING ON THIS SITE:

5560

**ALAMEDA COUNTY ENVIRONMENTAL HEALTH - HAZARDOUS MATERIALS PROGRAM  
DEPOSIT / REFUND ARCHIVED DAILIES STATEMENT FOR WORK AFTER 01/01/1987**

database = DAILY ARCHIVES  
-----

===== SITE INFORMATION =====

Westinghouse Electric	---	4899 Peladeau St
StID: 5560 Site#: -0-		Emeryville CA 94608

===== ARCHIVED DAILY - DEPREF STATEMENT ===== as of 06/12/2000

--INSPECTOR--

Act Date	Initial	Time	\$ Rate	CHARGE	Time	Charge	Billing Date
=====	=====	=====	=====	=====	=====	=====	=====

No Dailies from Archives for this case

**ALAMEDA COUNT ENVIRONMENTAL HEALTH - HAZARDOUS MATERIALS PROGRAM  
DEPOSIT / REFUND ACCOUNT STATEMENT FOR WORK AFTER 01/01/1987  
as of 06/12/2000**

database = HAZMAT DAILIES  
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===== SITE INFORMATION =====

Westinghouse Electric	* IF Site name from HazMat (central) DB
4899 Peladeau St	differs from DepRef's Site Name,
Emeryville CA 94608	PLEASE RECTIFY WITH LPETERS/CMATYS. *
StID: 5560	

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

--INSPECTOR--

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS-	Error Code or
=====	=====	=====	=====	=====	=====	Time Charge	Billing Date
						=====	***** **

Proj#:3471A  
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1	04/20/1995	SH	2.50	90.00	225.00	2.50	225.00	09/12/1997
	Activity Code: 77-Meetings, Consultations							
	Comment: Westinghouse - 4899 Peledeau Street, Emeryville 94608, meeting with RWQCB (Sum Arigala) & Westinghouse discuss VOC source, UGT removal 1988							
2	06/29/1995	SH	0.50	90.00	45.00	3.00	270.00	09/12/1997
	Activity Code: 74-Write Letters							
	Comment: Westinghouse - 4899 Peladeau Emeryville 94608, letter out re: deposit refund accouny							
3	11/30/1995	SH	3.00	90.00	270.00	6.00	540.00	08/14/1997
	Activity Code: 77-Meetings, Consultations							
	Comment: meeting w/Westinghouse, RWQCB (Ravi & SumA.) and							
4	11/30/1995	ADM	1.00	90.00	90.00	7.00	630.00	08/14/1997
	Activity Code: 71-Investigation in Office							
	Comment: ADMIN CHARGE							
5	02/08/1996	SH	0.50	90.00	45.00	7.50	675.00	08/14/1997
	Activity Code: 77-Meetings, Consultations							



Comment: talked to Mansour (SOMA) re: RA

6	02/22/1996	SH	3.00	90.00	270.00		10.50	945.00		08/14/1997
	Activity Code: 75-Review Plans/Reports									
	Comment: review Risk Assessment									
7	07/05/1996	SH	3.00	94.00	282.00		13.50	1,227.00		08/14/1997
	Activity Code: 75-Review Plans/Reports									
	Comment: review Risk Assessment									
8	08/05/1997	SH	1.00	94.00	94.00		14.50	1,321.00		08/29/1997
	Activity Code: 75-Review Plans/Reports									
	Comment: review status of site									

Running Total for proj: 3471a is 14.5 hours for 1,321.00 pag 1

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--			-PROJECT TOTALS-		Error Code or Billing Date	
		Initial	Time	\$ Rate	CHARGE	Time		Charge
9	05/01/1998	SH	0.50	94.00	47.00	15.00	1,368.00	06/04/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Rec'd call from Decon (Dalton) re: 2 18,000 gallon USTs found inside a vault during construction activities at the site, talked to Ravi A (RWQCB), no knowledge of presence of USTs, site is contaminated with PCBs							
10	05/04/1998	SH	1.00	94.00	94.00	16.00	1,462.00	06/04/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed reports, PCB data (soil/water)							
11	05/05/1998	SH	1.60	94.00	150.40	17.60	1,612.40	06/04/1998
	Activity Code: 40-Removal Investigate / Follow-up							
	Comment: Onsite, inspect location of the USTs							
12	05/05/1998	SH	0.60	94.00	56.40	18.20	1,668.80	06/24/1998
	Activity Code: 47-Removal/Installation Meetings							
	Comment: Talked to Dalton (Decon) re: analytical results - 6 ppm TPH diesel							
13	05/11/1998	SH	0.50	94.00	47.00	18.70	1,715.80	06/04/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr & Ravi A. re: tanks uncovered at site, no site wide management plan ( including soil /groundwater management, stormwater prevention plan) submitted and approved for site, only H&S plan for construction worker.							
14	05/13/1998	SH	1.00	94.00	94.00	19.70	1,809.80	06/04/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed documents submitted for site.							
15	05/15/1998	SH	0.50	94.00	47.00	20.20	1,856.80	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: updates on site, memo to draft							
16	05/22/1998	SH	2.50	94.00	235.00	22.70	2,091.80	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed reports re: Soil remediation at site; reviewed historical soil/groundwater data.							
17	05/22/1998	SH	0.50	94.00	47.00	23.20	2,138.80	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: updates on site activity, meeting scheduled for 5/26/98.							
18	05/26/1998	SH	0.50	94.00	47.00	23.70	2,185.80	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re; clean up goals,							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
19	05/27/1998	SH	0.50	94.00	47.00	24.20	2,232.80	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: faxed commentsmemo for site							
20	05/27/1998	SH	1.00	94.00	94.00	25.20	2,326.80	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed faxed memo, comments provided to Mansour							
21	05/27/1998	SH	1.00	94.00	94.00	26.20	2,420.80	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed off site data for PCB's detected at the Post Office							
22	06/01/1998	SH	2.00	94.00	188.00	28.20	2,608.80	07/17/1998
	Activity Code: 72-Site Complaint							
	Comment: On site inpection, met Mansour at the site;							
23	06/02/1998	SH	0.80	94.00	75.20	29.00	2,684.00	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: Tank Removal report, pipings underneath tanks							
24	06/02/1998	SH	0.50	94.00	47.00	29.50	2,731.00	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ravi A. re: site updates, meeting							
25	06/08/1998	SH	2.80	94.00	263.20	32.30	2,994.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Meeting with Ravi A. (RWQCB), Gordon Taylor(Westinghouse), Marlene Jackson (Babst, Calland, Clements & Zomnir) Mansour Sepehr (Soma) & Ignacio Dayrit (City of Emeryville) re: additonal work required prior to issuance of NAF letter; on-going property transferDan Nourse joined meeting via teleconference, Mr. Nourse reported a sump covered with metal plates in trailer parking area.							
26	06/09/1998	SH	3.00	94.00	282.00	35.30	3,276.20	07/17/1998
	Activity Code: 73-Investigation On-Site							
	Comment: On site inspection, met with Mansour Sepehr(Soma) re: sump, pipings, & off site location of borings.							
27	06/15/1998	SH	0.60	94.00	56.40	35.90	3,332.60	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (SOMA) re: status of site							
28	06/15/1998	SH	1.00	94.00	94.00	36.90	3,426.60	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed historical gw data, information re: USTs & sump at site							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
29	06/22/1998	SH	0.50	94.00	47.00	37.40	3,473.60	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: status of site							
30	06/23/1998	SH	2.80	94.00	263.20	40.20	3,736.80	07/17/1998
	Activity Code: 70-Initial Site Visit							
	Comment: site visit, observed sumps, location of off site borings, met with Mansour Sepehr (Soma).							
31	06/25/1998	SH	2.50	94.00	235.00	42.70	3,971.80	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed historical data on PCB, updates on off site delineation of PCBs							
32	06/29/1998	SH	0.70	94.00	65.80	43.40	4,037.60	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed PCBs data							
33	06/29/1998	SH	0.40	94.00	37.60	43.80	4,075.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (SOMA) re: site updates, sump removal							
34	06/30/1998	SH	0.50	94.00	47.00	44.30	4,122.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: sump removal and sampling							
35	07/01/1998	SH	0.50	100.00	50.00	44.80	4,172.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: site status on PCB removal							
36	07/02/1998	SH	1.00	100.00	100.00	45.80	4,272.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ravi A & Mansour Sepehr re: site updates							
37	07/02/1998	SH	1.00	100.00	100.00	46.80	4,372.20	07/17/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed faxed wp							
38	07/07/1998	SH	0.50	100.00	50.00	47.30	4,422.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ravi A. re: off site investigation for PCBs							
39	07/07/1998	SH	0.70	100.00	70.00	48.00	4,492.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to MANSOUR re: field work, results of 9 borings, dewatering sump							

Running Total for proj: 3471A is 48.0 hours for 4,492.20

pag 4

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

--INSPECTOR--						-PROJECT TOTALS-		Error Code or
#	Act Date	Initial	Time	\$ Rate	CHARGE	Time	Charge	Billing Date
====	=====	=====	=====	=====	=====	=====	=====	===== **
40	07/09/1998	SH	0.80	100.00	80.00	48.80	4,572.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ric Notini re: PCBs, complaint by his staff (Chiron is a tenant) re: three excavation at the parking lot							
41	07/09/1998	SH	0.80	100.00	80.00	49.60	4,652.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Conference call with Ravi A (RWQCB), Mansour Sepehr (Soma), Gordon Taylor & Rick Smith(CBS) re: status of site, NAF letter, separating off site PCBs from property under going transfer							
42	07/10/1998	SH	0.40	100.00	40.00	50.00	4,692.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Left message to Dan Nourse re: complaint from tenants about excavation hole & public safety & PROP 65 notification.							
43	07/10/1998	SH	1.50	100.00	150.00	51.50	4,842.20	07/17/1998
	Activity Code: 73-Investigation On-Site							
	Comment: On site inspection observed over excavation in the sump area, inspection excavations (30 found in the parking lot at Heritage Square							
44	07/13/1998	SH	0.50	100.00	50.00	52.00	4,892.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ravi A. re: results of recent sampling; waiting for the result of sampling done last 7/10/98; may issue NAF for the property undergoing transfer to Wareham Develop.							
45	07/13/1998	SH	0.40	100.00	40.00	52.40	4,932.20	07/17/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Recd call from Dan Nourse re: complaint of tenants at Heritage Square; he has barricaded the excavation at the site.							
46	07/14/1998	SH	1.00	100.00	100.00	53.40	5,032.20	08/04/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed reports re: PCB concentrations in soil & groundwater							
47	07/16/1998	SH	0.50	100.00	50.00	53.90	5,082.20	08/04/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: results of overexcavation,							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT Time	TOTALS- Charge	Error Code or Billing Date
48	07/20/1998	SH	1.00	100.00	100.00	54.90	5,182.20	08/04/1998
	Activity Code: 73-Investigation On-Site							
	Comment: On site visit; observed overexcavation of sump area; pit still open							
49	07/22/1998	SH	2.00	100.00	200.00	56.90	5,382.20	08/04/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Meeting with Mansour Sepehr (Soma) re: UST closure report							
50	07/23/1998	SH	0.30	100.00	30.00	57.20	5,412.20	08/04/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: update site status, deposit / refund more \$letter out							
51	07/24/1998	SH	2.50	100.00	250.00	59.70	5,662.20	08/04/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed case file; draft letter							
52	07/29/1998	SH	0.50	100.00	50.00	60.20	5,712.20	09/11/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ignacio Dayrit (City of Emeryville) re: status of site / letter							
53	07/29/1998	SH	1.00	100.00	100.00	61.20	5,812.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed case file, UST closure reports							
54	07/30/1998	SH	0.50	100.00	50.00	61.70	5,862.20	09/11/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: letter							
55	07/30/1998	SH	3.00	100.00	300.00	64.70	6,162.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed Site Characterization reports, Soil Remediation reports, & gw data							
56	07/31/1998	SH	1.00	100.00	100.00	65.70	6,262.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Continue review of reports; soil removal etc.							
57	08/03/1998	SH	1.00	100.00	100.00	66.70	6,362.20	09/11/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma), Ravi A (RWQCB), Ignacio Dayrit (City of Emeryville) re: no further remediation							
58	08/03/1998	SH	3.00	100.00	300.00	69.70	6,662.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Continue review of reports, prepare draft letter							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT Time	TOTALS- Charge	Error Code or Billing Date
=====	=====	=====	=====	=====	=====	=====	=====	===== **
59	08/05/1998	SH	1.00	100.00	100.00	70.70	6,762.20	09/11/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma); Ignacio Dayrit (City of Emeryville) re: site							
60	08/05/1998	SH	3.00	100.00	300.00	73.70	7,062.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed reports submitted for site; prepare no further remediation letter.							
61	08/06/1998	SH	2.00	100.00	200.00	75.70	7,262.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Review reports, draft letter							
62	08/07/1998	SH	3.50	100.00	350.00	79.20	7,612.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Draft letter, no further remediation, review UST closure report							
63	08/10/1998	SH	1.50	100.00	150.00	80.70	7,762.20	09/11/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Meeting with Ravi A. re: letter							
64	08/10/1998	SH	1.00	100.00	100.00	81.70	7,862.20	09/11/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: letter							
65	08/10/1998	SH	2.50	100.00	250.00	84.20	8,112.20	09/11/1998
	Activity Code: 75-Review Plans/Reports							
	Comment: Letter - no further remediation completed, sent out.							
66	10/08/1998	SH	0.80	100.00	80.00	85.00	8,192.20	10/23/1998
	Activity Code: 70-Initial Site Visit							
	Comment: On site visit; construction on-going							
67	11/17/1998	SH	0.50	100.00	50.00	85.50	8,242.20	12/15/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: UST closure report							
68	11/25/1998	SH	0.50	100.00	50.00	86.00	8,292.20	12/15/1998
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: off-site containment							
69	01/14/1999	SH	1.00	100.00	100.00	87.00	8,392.20	03/23/1999
	Activity Code: 73-Investigation On-Site							
	Comment: On site visit; follow up a report - contaminated soil excavated at site.							

=====**WORK LOG INFORMATION FROM DAILIES** ( after date:\*\*\*\*\* )=====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS- Time	Charge	Error Code or Billing Date
====	=====	=====	=====	=====	=====	=====	=====	===== **
70	01/25/1999	SH	0.30	100.00	30.00	87.30	8,422.20	02/08/1999
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepher re: stockpiled soil at the site where the cap is.							
71	01/27/1999	SH	0.80	100.00	80.00	88.10	8,502.20	02/08/1999
	Activity Code: 73-Investigation On-Site							
	Comment: Site Visit; follow-up re: stockpiled soil store on top of cap.							
72	01/28/1999	SH	1.00	100.00	100.00	89.10	8,602.20	03/23/1999
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed Closure report							
73	01/28/1999	SH	0.50	100.00	50.00	89.60	8,652.20	03/23/1999
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: contaminated soil maybe sitting on the Westinghouse cap area.							
74	02/04/1999	SH	1.00	100.00	100.00	90.60	8,752.20	03/23/1999
	Activity Code: 72-Site Complaint							
	Comment: Follow up a complaint re: stockpiled soil in the area of the "Cap". Soil not covered with visqueen.							
75	02/08/1999	SH	0.50	100.00	50.00	91.10	8,802.20	03/23/1999
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: stockpiled soil found at the cap area							
76	02/26/1999	SH	0.40	100.00	40.00	91.50	8,842.20	03/23/1999
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: soil contamination in the cap area							
77	02/26/1999	SH	1.00	100.00	100.00	92.50	8,942.20	03/23/1999
	Activity Code: 72-Site Complaint							
	Comment: On site- follow up on stockpiled soil being moved from the cap area; no stormwater preventive measures found along the streets; Talked to Rick Trudell (Webcor) need to put berm around stormdrains & stockpiled soil must be covered.							
78	03/01/1999	SH	0.50	100.00	50.00	93.00	8,992.20	03/23/1999
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr (Soma) re: stockpiled soil; off-site contamination; follow up of waste tank removal at 1400 Powell St.							
79	03/01/1999	SH	2.40	100.00	240.00	95.40	9,232.20	03/23/1999
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed Closure Report ;							



===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT Time	TOTALS- Charge	Error Code or Billing Date
--INSPECTOR--								
=====	=====	=====	=====	=====	=====	=====	=====	===== **
80	03/05/1999	SH	1.00	100.00	100.00	96.40	9,332.20	05/13/1999
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed Tank Closure Report							
81	05/04/1999	SH	1.00	100.00	100.00	97.40	9,432.20	07/29/1999
	Activity Code: 75-Review Plans/Reports							
	Comment: Review case file							
82	05/07/1999	SH	0.50	100.00	50.00	97.90	9,482.20	07/29/1999
	Activity Code: 77-Meetings, Consultations							
	Comment:							
83	05/07/1999	SH	1.50	100.00	150.00	99.40	9,632.20	07/29/1999
	Activity Code: 75-Review Plans/Reports							
	Comment: Review case file; off site investigation							
84	05/24/1999	SH	0.50	100.00	50.00	99.90	9,682.20	07/29/1999
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepher re: excavation							
85	07/20/1999	SH	0.50	100.00	50.00	100.40	9,732.20	
	Activity Code: 72-Site Complaint							
	Comment: One site visit; parking area fully paved							
86	07/22/1999	SH	1.00	100.00	100.00	101.40	9,832.20	
	Activity Code: 72-Site Complaint							
	Comment: Site visit; re: adjacent property where contamination was encountered during construction activities (city building road);							
87	07/23/1999	SH	1.00	100.00	100.00	102.40	9,932.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: site; prepare for meeting; review case file							
88	07/23/1999	SH	0.30	100.00	30.00	102.70	9,962.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ignacio Dayrit re: adjacent property uncovered contamination							
89	07/26/1999	SH	0.50	100.00	50.00	103.20	10,012.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr, draft letter.							
90	07/27/1999	SH	2.50	100.00	250.00	105.70	10,262.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: reviewed QMR; reviewed case file for meeting							

Running Total for proj: 3471A is 105.7 hours for 10,262.20 pag 9

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
91	07/28/1999	SH	0.50	100.00	50.00	106.20	10,312.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss site with Ravi A; further plume characterization							
92	07/30/1999	SH	2.00	100.00	200.00	108.20	10,512.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Memorialized meeting of 7/28/99; cleanup to 2.7 ppm PCB (residential); hot spot removal; status of deed restriction; reviewed casefile							
93	08/12/1999	SH	0.50	100.00	50.00	108.70	10,562.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: example of closure letter							
94	08/12/1999	SH	1.00	100.00	100.00	109.70	10,662.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Review Remediation Report; hot spot removal							
95	08/19/1999	SH	0.50	100.00	50.00	110.20	10,712.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed letter from Soma							
96	08/20/1999	SH	0.50	100.00	50.00	110.70	10,762.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: draft letter							
97	08/23/1999	SH	1.50	100.00	150.00	112.20	10,912.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Continue review of case file; draft letter							
98	08/24/1999	SH	0.50	100.00	50.00	112.70	10,962.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: draft letter							
99	08/25/1999	SH	0.50	100.00	50.00	113.20	11,012.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Bill Bosan (SOMA) re: clean-up numbers for PCB's (0.2 ppm) residential							
100	08/26/1999	SH	0.50	100.00	50.00	113.70	11,062.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: copy of deed restriction; finalized letter							
101	09/02/1999	SH	0.60	100.00	60.00	114.30	11,122.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss with Ravi contents of letter; discuss also with Mansour Sepehr							

===== **WORK LOG INFORMATION FROM DAILIES** ( after date:\*\*\*\*\* )=====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
102	09/07/1999	SH	0.50	100.00	50.00	114.80	11,172.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ignacio Dayrit; contamination found at the site >1000 ppm TPH o&g; exca- vate to 2 ft; construction work to build city street							
103	09/15/1999	SH	0.50	100.00	50.00	115.30	11,222.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: boring loca- tion s							
104	09/15/1999	SH	0.50	100.00	50.00	115.80	11,272.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed work plan							
105	09/16/1999	SH	1.50	100.00	150.00	117.30	11,422.20	
	Activity Code: 72-Site Complaint							
	Comment: On site visit; location of 8 borings to be drilled on 9/19/99. Locate proposed borings; capped area of slurry wall now used for parking.							
106	09/21/1999	SH	0.50	100.00	50.00	117.80	11,472.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed workplan for closure of site							
107	09/21/1999	SH	0.50	100.00	50.00	118.30	11,522.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour re: boring locations							
108	09/27/1999	SH	0.50	100.00	50.00	118.80	11,572.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour re: site visit							
109	10/15/1999	SH	0.50	100.00	50.00	119.30	11,622.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: results of further site characterization; found PCB's >0.5 ppm in soil in almost all borings							
110	10/19/1999	SH	0.50	100.00	50.00	119.80	11,672.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss resulsit with mansour Sepehr: PCB's up to 105 ppm found at Heritage Square							
111	11/02/1999	SH	0.50	100.00	50.00	120.30	11,722.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: site RMP							
112	11/12/1999	SH	1.50	100.00	150.00	121.80	11,872.20	
	Activity Code: 70-Initial Site Visit							
	Comment: Site visit; drilling near the slurry wall, engineered cap. Reviewed files to identify location of the cap.							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
113	11/16/1999	SH	0.80	100.00	80.00	122.60	11,952.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed case file; appears to be drilling near the capped area with the slurry wall; construction activities going on at the site							
114	11/16/1999	SH	0.70	100.00	70.00	123.30	12,022.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepher & Ignacio Dayrit of City of Emeryville re: construction and drilling work near the capped area/slurry wall; confirm that integrity of the cap is not compromised.							
115	11/17/1999	SH	0.50	100.00	50.00	123.80	12,072.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepher re; drilling at site.							
116	11/29/1999	SH	0.50	100.00	50.00	124.30	12,122.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: metallic cistern/contamination encountered in the northern portion of the Wareham future parking garage; very strong odor; initial PCB results = 31 ppm @ 5 ft. ; 71 ppm @ 7 ft.; cistern full of sand; will fax map indicating where cistern/contamination were found.							
117	12/07/1999	SH	1.00	100.00	100.00	125.30	12,222.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Review site map , gw data, letter out for more \$ tio Gordon Taylor.							
118	12/08/1999	SH	1.00	100.00	100.00	126.30	12,322.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re; cistern uncovered during drilling; meeting on site with Dan Nourse; & Mansour Sepehr to observe location of cistern; need to identify strong odor coming from the area where the cistern was found.							
119	12/13/1999	SH	0.50	100.00	50.00	126.80	12,372.20	
	Activity Code: 72-Site Complaint							
	Comment: On site visit							
120	12/13/1999	SH	1.00	100.00	100.00	127.80	12,472.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to MANSOUR Sepephr & Dan Nourse separately re: pile driving in the area where cistern was uncovered; found up to 71 ppm PCB @ 6 to 7 ft bgs. per Dan Nourse; construction will drive piles in this area; raised issue that no vertical migration should be created if this will be done; need letter from experts to evaluate this.							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS- Time	Charge	Error Code or Billing Date
=====	=====	=====	=====	=====	=====	=====	=====	===== **
121	12/14/1999	SH	0.50	100.00	50.00	128.30	12,522.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: vertical migration issue where cistern was found and pile driving will take place.							
122	12/22/1999	SH	0.50	100.00	50.00	128.80	12,572.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: vertical migration due to pile driving							
123	12/22/1999	SH	1.00	100.00	100.00	129.80	12,672.20	
	Activity Code: 72-Site Complaint							
	Comment: Site visit; pile driving in the norther portion of EmeryStation 2 near the property boundary.							
124	12/23/1999	SH	1.50	100.00	150.00	131.30	12,822.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Letter re: vertical migration issue where cistern was found.							
125	12/27/1999	SH	0.50	100.00	50.00	131.80	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mnasour Sepehr re: PCBs at site near cistern & pile driving.							
126	01/03/2000	SH	0.50		0.00	132.30	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: letter requesting issues about creating conduit for migration of PCBs due to pile driving,							
127	01/04/2000	SH	0.30		0.00	132.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ignacio Dayrit re:							
128	01/10/2000	SH	0.50		0.00	133.10	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: cistern; pile driving & letter response from CBS.							
129	01/14/2000	SH	0.50		0.00	133.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss site with Mansour Sepehr							
130	01/18/2000	SH	1.50		0.00	135.10	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewd workplan for off-site investigation							
131	01/18/2000	SH	0.50		0.00	135.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss site with Mansour Sepehr.							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS- Time	Charge	Error Code or Billing Date
=====	=====	=====	=====	=====	=====	=====	=====	===== **
132	01/20/2000	SH	1.00		0.00	136.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Telephone discussion with Mansour Sepehr re: cleanup goals for off site; need to address that any residual PCBs left on off site property must meet residential scenario & future construction must not create conduit & disturbance to residual to be left on site; advise to do hot spot removal to )0.5 ppm PCBs to groundwater depth.							
133	01/20/2000	SH	0.50		0.00	137.10	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed work plan.							
134	01/21/2000	SH	2.00		0.00	139.10	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed case file for teleconference.							
135	01/21/2000	SH	1.00		0.00	140.10	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Teleconference with Mansour Sepehr; Gordon Taylor ( CBS); discussed work plan; can implement wp; results should be evaluated to address most economical way of RMP - by hot spot removal up to 0.5ppm PCB in soil untildepth to gw; hot spot removal up to 50 ppm PCB in soil @ 4 ft bgs; institutional control that RMP needed if soil will be disturbed in the future; need to negotiate with Wareham Developer & City of Emeryville for deed notification; with regards to cistern area; CBS will write a letter that pile driving activities is not their responsibilities & Wareham should address this. Need to notify the agency when wp will be implemented.							
136	01/21/2000	SH	0.80		0.00	140.90	12,872.20	
	Activity Code: 72-Site Complaint							
	Comment: Site visit; no activity going on in Emery Station II; site used as parking; observed stockpiled soil covered with visqueen.							
137	01/26/2000	SH	0.40		0.00	141.30	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour re; field work; some borings should be left open overnight to measure depth to water at Heritage Square.							
138	01/31/2000	SH	0.80		0.00	142.10	12,872.20	
	Activity Code: 72-Site Complaint							
	Comment: Site visit; cistern area barricaded; covered with visqueen.							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
139	01/31/2000	SH	0.50	0.00	0.00	142.60	12,872.20	**
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Mansour re: results of sampling near the cistern area; collected shallow ( 4 ft) samples & deep at 9 ft.						
140	02/01/2000	SH	0.50	0.00	0.00	143.10	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Mansour Sepehr re: faxed document; PCB data; only 3 borings were drilled yesterday due to rain.						
141	02/01/2000	SH	0.50	0.00	0.00	143.60	12,872.20	
		Activity Code: 75-Review Plans/Reports						
		Comment: Reviewd faxe data on PBCs						
142	02/03/2000	SH	0.40	0.00	0.00	144.00	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Mansour re: site; schedule for drilling at Heritage Square.						
143	02/06/2000	SH	3.00	0.00	0.00	147.00	12,872.20	
		Activity Code: 73-Investigation On-Site						
		Comment: On site; met with Mansour Sepehr; drilling borings at Heritage Square; up to 18 shallow bore holes; collected soil samples; two bore holes left open; collected water samples; gw appear to be shallow (4 ft bgs); observed the presence of what appear to be white materials in almost all borings; will characterize the white materials ( maybe sheetrock ? asbestos?)						
144	02/09/2000	SH	0.40	0.00	0.00	147.40	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Phone discussion with Mansour Sepehr re; WEC report						
145	02/10/2000	SH	0.50	0.00	0.00	147.90	12,872.20	
		Activity Code: 75-Review Plans/Reports						
		Comment: e-mail letter to Gordon Taylor re: request for more deposit.						
146	02/10/2000	SH	0.50	0.00	0.00	148.40	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Phone with Gordon Taylor re: off site investigation;						
147	02/10/2000	SH	1.50	0.00	0.00	149.90	12,872.20	
		Activity Code: 75-Review Plans/Reports						
		Comment: Review GWS 11/99 & on site investigation report. Risk Assessemnt submitted for site.						
148	02/15/2000	SH	0.30	0.00	0.00	150.20	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Phone with Mansour Sepehr						

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS- Time	Charge	Error Code or Billing Date
====	=====	=====	=====	=====	=====	=====	=====	===== **
149	02/15/2000	SH	1.00		0.00	151.20	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Review Risk Assessment Report 6/95 re: PCBs							
150	02/16/2000	SH	0.40		0.00	151.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Phone with Mansour Sepehr; re: stockpiled soil put back in the excavation area of cistern							
151	02/16/2000	SH	2.00		0.00	153.60	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Letter out re: cistern area & pile driving issues							
152	02/16/2000	SH	0.80		0.00	154.40	12,872.20	
	Activity Code: 72-Site Complaint							
	Comment: Site visit; cistern area fenced & covered with visqueen							
153	02/23/2000	SH	0.50		0.00	154.90	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Phone with Mansour Sepehr; message left for Ravi regarding high PCBs found off-site; scheduled meeting on 2/18/2000 @ 2:00 pm							
154	02/25/2000	SH	3.00		0.00	157.90	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Meeting with Mansour Sepehr, Bill Bosan of Soma, Ravi A; discussed data on Heritage Square parking lot; found high PCBs levels							
155	02/25/2000	SH	0.50		0.00	158.40	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Review historical data ; prepare for meeting.							
156	02/29/2000	SH	0.50		0.00	158.90	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Review memo; USPS , letter							
157	02/29/2000	SH	0.30		0.00	159.20	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Phone with Mansour Sepehr re: cistern area							
158	03/01/2000	SH	2.00		0.00	161.20	12,872.20	
	Activity Code: 73-Investigation On-Site							
	Comment: On site; soil removal top 2 feet in cistern area; northeast corner excavated deeper (4 ft bgs).							
159	03/01/2000	SH	0.30		0.00	161.50	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Dan Nourse; no work to be done at cistern area until issues raised by county have been addressed on Emery Station 2							



===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--			-PROJECT TOTALS-		Error Code or Billing Date	
		Initial	Time	\$ Rate	CHARGE	Time		Charge
160	03/01/2000	SH	0.30	0.00	0.00	161.80	12,872.20	**
		Activity Code: 77-Meetings, Consultations						
		Comment: Discuss with Ignacio Dayrit issues raised by county have not been addressed						
161	03/02/2000	SH	0.30	0.00	0.00	162.10	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Ignacio Dayrit re: site need for RMP						
162	03/07/2000	SH	0.20	0.00	0.00	162.30	12,872.20	
		Activity Code: 75-Review Plans/Reports						
		Comment: deposit / refund correction to EA						
163	03/07/2000	SH	2.00	0.00	0.00	164.30	12,872.20	
		Activity Code: 75-Review Plans/Reports						
		Comment: Review case file; 1999 QMR for PCBs						
164	03/07/2000	SH	0.50	0.00	0.00	164.80	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Mansour Sepehr re: PCBs found at USPS.						
165	03/08/2000	SH	0.50	0.00	0.00	165.30	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Teleconference call with Mansour Sepehr & Alex Tula re: historical PCB gw data; low flow gw sampling initiated after Alta GeoScience took over GWM program for site in 1995;						
166	03/08/2000	SH	1.50	0.00	0.00	166.80	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Meeting with City of Emeryville (Ignacio Dayrit), RWQCB (RaviA.), Wareham Development (Richard Robbins, Dan Nourse, Jeff Sears); Webcor (Eric Owens & Tom Mead); Mansour Sepehr (Soma) re: submittal to complete RMP						
167	03/08/2000	SH	0.50	0.00	0.00	167.30	12,872.20	
		Activity Code: 75-Review Plans/Reports						
		Comment: Reviewed case file; prepare for meeting						
168	03/09/2000	SH	0.50	0.00	0.00	167.80	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Mansour Sepehr & Dan Nourse re: deposit (\$2000); & items to be addressed in the RMP for Emery Station 2						
169	03/13/2000	SH	0.50	0.00	0.00	168.30	12,872.20	
		Activity Code: 77-Meetings, Consultations						
		Comment: Talked to Mansour Sepehr re: deposit \$2000 and comments on H&SP.						

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
170	03/13/2000	SH	2.00	0.00	0.00	170.30	12,872.20	**
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed H&SP for Emery Station 2; reviewed RMP submitted for site							
171	03/14/2000	SH	3.00	0.00	0.00	173.30	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Meeting with Mansour Sepehr (Soma) discussed RMP; comments; talked to Dan Nourse (Wareham).							
172	03/14/2000	SH	3.50	0.00	0.00	176.80	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: On site meeting with Mansour Sepehr (Soma); Dan Nourse (Wareham) did not attend due to car problems; also met with Lee Sehon (Webcor) project manager for Emery Station 2; phone conference with Dan Nourse; discussed site map, locatio of 6 borings for additional site characterization; reuse of soil at site; <50 ppm PCB can be reused at approved location where it will be capped; > 50 ppm PCBs will be disposed off- site (At Kettelmen).							
173	03/15/2000	SH	2.00	0.00	0.00	178.80	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Continue review of the RMP for Emery Station 2; reviewed historical PCB data; remediation report.							
174	03/15/2000	SH	1.00	0.00	0.00	179.80	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed H&SP							
175	03/15/2000	SH	0.40	0.00	0.00	180.20	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss comments on H&SP with Mansour Sepehr							
176	03/16/2000	SH	0.50	0.00	0.00	180.70	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour re: comment on RMP							
177	03/16/2000	SH	2.00	0.00	0.00	182.70	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed email RMP document							
178	03/17/2000	SH	2.50	0.00	0.00	185.20	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Meeting on site; Mansour Sepehr (Soma) & Lee Sehon (Webcor) re: RMP; discussed comments on RMP ;drilling of 6 borings at site; results by Tuesday; Thursday schedule for H&SPpre meeting.							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS- Time	Charge	Error Code or Billing Date
=====	=====	=====	=====	=====	=====	=====	=====	===== **
179	03/21/2000	SH	0.40		0.00	185.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re:RMP							
180	04/19/2000	SH	0.50		0.00	186.10	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss with Mansour Sepehr: off site investigation particularly the Heritage Square investigation.							
181	05/10/2000	SH	0.50		0.00	186.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: off site investigation ; interim report for Heritage Square							
182	05/15/2000	SH	0.50		0.00	187.10	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Peter Littleman re: status of site investigation; inquiry related to insurance.							
183	05/24/2000	SH	2.50		0.00	189.60	12,872.20	
	Activity Code: 75-Review Plans/Reports							
	Comment: Review work plan for additional site characterization at the Heritage Square.							
184	05/24/2000	SH	0.50		0.00	190.10	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: excavation of pile caps to be completed by tomorrow							
185	06/02/2000	SH	0.50		0.00	190.60	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: work plan for additional off-site investigation on Heritage Square.							
186	06/05/2000	SH	0.30		0.00	190.90	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: Meeting							
187	06/06/2000	SH	0.30		0.00	191.20	12,872.20	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: meeting with Wesyinghouse & Wareham Development.							

- - SUBTOTAL CURRENT DAILIES, PROJECT 3471A

191.20	12,872.20
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Proj#:3471B

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT Time	TOTALS- Charge	Error Code or Billing Date
=====	=====	=====	=====	=====	=====	=====	=====	===== **
188	03/23/2000	SH	1.50	0.00		1.50	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: On site meeting attended by Dan Nourse, Lee Sehon, Bill Bosan & Webcor staff; tail gate meeting							
189	03/24/2000	SH	0.50	0.00		2.00	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re; results of soil sampling for PCB from borings. Total Pb @ 50 ppm must analyzed for STLC							
190	03/28/2000	SH	0.50	0.00		2.50	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss site with Mansour Sepehr							
191	03/28/2000	SH	0.50	0.00		3.00	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Dsicuss site with Roger Brewer (RWQCB)							
192	03/29/2000	SH	0.50	0.00		3.50	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Lee Sehon re: additional sampling at the two layers of concrete.							
193	03/29/2000	SH	0.40	0.00		3.90	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: air sampling							
194	04/03/2000	SH	0.40	0.00		4.30	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: status of site; RMP & soil disposal							
195	04/04/2000	SH	0.50	0.00		4.80	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re; RMP, confirm 8080 & 8081/8082							
196	04/04/2000	SH	4.00	0.00		8.80	0.00	
	Activity Code: 75-Review Plans/Reports							
	Comment: Review Site Specific RMP, Addendum to Site Specific RMP, letter approving RMP to Mr. Rich Robbins.							
197	04/05/2000	SH	0.30	0.00		9.10	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: letter							

Running Total for proj: 3471B is 9.1 hours for 0.00 pag20

==== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	Initial	Time	\$ Rate	CHARGE	-PROJECT TOTALS- Time	Charge	Error Code or Billing Date
=====	=====	=====	=====	=====	=====	=====	=====	===== **
198	04/17/2000	SH	0.40		0.00	9.50	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: discuss options for groundwater disposal; dewatering at site as part of on going construction; gw stored in two Baker tanks; permit from RWQCB to discharge into storm drain or permit from EBMUD to discharge into sanitary sewer.							
199	04/18/2000	SH	1.50		0.00	11.00	0.00	
	Activity Code: 72-Site Complaint							
	Comment: On site; met with Lee Sehon & Dave (Webcor), & Nazir (Soma); construction on going at the site; observed two Baker tanks used to store gw; observed field testing of PCBs using the kit; notified Nazir two locations of storm drain on 55th Street.							
200	05/04/2000	SH	0.50		0.00	11.50	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepher(Soma); discuss hot spots encountered during construction activities at the site; 1100 ppm PCBs; air monitoring for VOCs; H&S modified for workers to use respirators; work stopped due to strong odors encountered by workers.							
201	05/08/2000	SH	0.40		0.00	11.90	0.00	
	Activity Code: 75-Review Plans/Reports							
	Comment: Reviewed fax document re: minutes of meeting;							
202	05/08/2000	SH	0.40		0.00	12.30	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Discuss site with Mansour Sepehr; hot spots (600 ppm PCBs at 8 to 9 ft bgs; chlorobenzene found at site; Phil Bumula (IH) & Bill Bosan (toxicologist) attend meeting & talked o workers re: H&S issues.							
203	05/11/2000	SH	0.50		0.00	12.80	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Ravi re: site status & recent hot spots encountered during work done at piles							
204	05/11/2000	SH	0.50		0.00	13.30	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: talked to Mansour Sepehr re: hot spots (J-10, G-15) encountered; piles exposed already; remaining piles to be done							
205	05/15/2000	SH	0.50		0.00	13.80	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: excavation activities, Industrial Hygienist on site; shower installed at site; Some workers in level B							

===== WORK LOG INFORMATION FROM DAILIES ( after date:\*\*\*\*\* ) =====

#	Act Date	--INSPECTOR--				-PROJECT TOTALS-		Error Code or Billing Date
		Initial	Time	\$ Rate	CHARGE	Time	Charge	
206	05/16/2000	SH	0.50	0.00	0.00	14.30	0.00	**
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: one hot spot encountered exceeded 50 ppm PCBs							
207	05/17/2000	SH	0.50	0.00	0.00	14.80	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr - Emery Station 2, workers being fit tested for respirators, blowers being used as pile caps are exposed.							
208	05/25/2000	SH	0.40	0.00	0.00	15.20	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re; completion of soil excavation at pile caps tomorrow							
209	05/26/2000	SH	1.50	0.00	0.00	16.70	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: On site meeting with Nasir (Soma) & Dave Safreno (Webcor) ; completing pile caps; three baker tanks still at site; observe shower facility for workers; almost all soils have been removed off-site.							
210	06/07/2000	SH	0.20	0.00	0.00	16.90	0.00	
	Activity Code: 77-Meetings, Consultations							
	Comment: Talked to Mansour Sepehr re: meeting							

- - SUBTOTAL CURRENT DAILIES, PROJECT 3471B 16.90 0.00 - -

Running Total for proj: 3471B is 16.9 hours for 0.00 pag22

\* ERROR CODE OR BILLING DATE LEGEND:

- 1/1/97 and beyond: Already or nearly Debited
- 1/1/87: Ineligible for Debit: either no deposit or neg. closing balance.
- 1/\*/86: Error codes: need fixing before debiting.
- 1/1/85: Pre 1997 DepRef work marked as Available for Debiting.

===== RECORDS BETWEEN REPRINTS: =====

PROJ#: \_\_\_\_\_ StID: 5560

Date	Action Taken	Init	Time	\$Rate	Charge	Total Time	Total Charges
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DRWrkSht; Rev 6/97

No CURRENT DAILIES for this case

Current HazMat Dailies Statement Complete

TOTAL COUNTS: #Current Dailies: 0 Both Archived & Current: 0

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

April 4, 2000

Mr. Richard Robbins  
Wareham Property Group  
1120 Nye Street, Suite 400  
San Rafael, CA 94901

**Subject: Former Westinghouse Facility (Emery Station II)  
Emeryville, California 94608 (STID# 5560)**

Dear Mr. Robbins:

The Alameda County Environmental Health Services (ACEHS) has reviewed the reports: "Addendum to Site-Specific Risk Management Plan for Emery Station II (Emery Station North) dated March 17, 2000 and the Second Addendum to Risk Management Plan Report for Emery Station 2 dated March 28, 2000," prepared by Soma Environmental Engineering, Inc.

During a meeting on March 8, 2000, ACEHS and the Regional Board Staff have discussed the various components of the Risk Management Plan (RMP) and issues of concern the agencies have regarding site development. The initial development plan submitted for the site was for a parking lot. The current site development plan includes a five-story office building with above ground parking.

This office sent you two letters, dated December 23, 1999 and February 16, 2000 regarding this agency's concern about construction activities such as pile driving that may create vertical conduits for PCB migration at the above subject site. A memo dated March 8, 2000 was submitted by Mr. Dan Nourse of Wareham Development during the March 8, 2000 meeting. The memo described the procedures followed during the installation of the concrete piles in November 1999 and December 1999. The pile driving activities were completed in January 2000. This memo should have been provided to this agency earlier to address the issues stated in December 1999 and February 2000 letters.

The referenced reports address any potential risks to human health and the environment from residual soil and groundwater contaminants during construction activities at the site. The addendum to site specific RMP also included guidelines to be followed during the development of the subject site.

This agency concurs with the general scope of the addendum to Site-Specific RMP and second addendum to RMP. Based upon the available information and with the provision that the information provided to this agency is accurate and representative of site conditions, the addendum to the Site-Specific RMP and second addendum to RMP is acceptable provided the following issues are addressed:

- 1) If unusual site conditions such as the presence of underground storage tanks and associated pipings, free product or contamination are encountered during construction, this office must be notified in a timely manner.



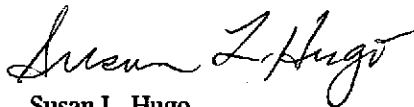
Mr. Robbins  
RE: Former Westinghouse Facility (Emery Station 2)  
April 4, 2000  
Page 2 of 2

- 2) Any reuse of soil at the site must have prior approval by this agency. Soil generated during construction must be disposed appropriately.
  
- 3) A report must be submitted following completion of this phase of the project. The report should include at a minimum the following: description of the work completed, results of additional soil characterization, air monitoring results, groundwater sampling, boring logs, records of soil and groundwater disposal, etc.

Please provide us with the information as to who will ensure that the approved RMP is implemented during the redevelopment of the subject site.

If you have any questions regarding this letter or the subject site, please contact me at (510) 567-6780.

Sincerely,

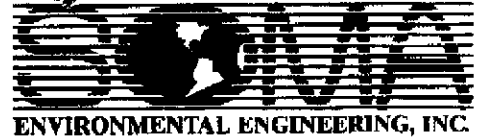


Susan L. Hugo  
Hazardous Materials Specialist

cc: Mee Ling Tung, Director, Environmental Health  
Stephen Morse, P.E., Chief, Toxics Cleanup Division, Cal-EPA / S.F. Bay RWQCB  
Ravi Arulanantham, Ph.D.; Staff Toxicologist, Cal-EPA / S.F. Bay RWQCB  
Ari Levi, Chief, Hazardous Materials and Household Hazardous Programs  
Patrick O'Keeffe, City of Emeryville, 2200 Powell Street, Emeryville, CA 94608  
Ignacio Dayrit, City of Emeryville, 2200 Powell Street, Emeryville, CA 94608  
Gordon Taylor, CBS Corporation, 11 Stanwix Street, Pittsburg, PA 15222-1384  
Mansour Sepehr, SOMA Environmental, 2680 Bishop Dr., Suite 203, San Ramon, CA 94583  
Lee Schon, Webcor Builders, EmeryStation 2, 5853 Horton Street, Emeryville, CA 94608  
SH/ files

ENVIRONMENTAL  
PROTECTION

00 MAR 17 PM 3: 31



ENVIRONMENTAL ENGINEERING, INC.  
2680 Bishop Drive, Suite 203, San Ramon, CA 94583  
TEL (925) 244-6600 \* FAX (925) 244-6601

March 15, 2000

Ms. Susan Hugo  
Alameda County  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Subject: 5815 Peladeau Street  
Emeryville, California

Dear Susan:

Enclosed for your review is SOMA's "Excavation and Removal of PCB-Impacted Soils at the Cistern Area Former Westinghouse Electric Facility" located at the above subject site.

If you have any questions or comments, please call me at (925) 244-6600.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mansour Sepehr', is written over a horizontal line.

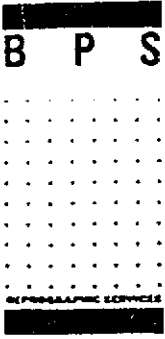
Mansour Sepehr, Ph.D., P.E.  
Principal

MS/jb

Enclosure

cc: Mr. Rich Robbins w/enclosure  
Wareham Property Group

Mr. Gordon Taylor w/enclosure  
CBS Corporation



PS - SAN FRANCISCO  
49 Second Street  
San Francisco, CA 94105  
15 495 8700  
15 495 2773 FAX

VIA OUTSIDE SERVICE

CUSTOMER Alameda County Health Agency ORDER NO. 269022  
DUE 3/15/00 1PM

ADDRESS 1131 Harbor Bay Parkway RM. NO. 2nd Floor

CITY Alameda ZIP 94502

ATTENTION Susan Hugo 510-567-6780

WILL CALL  COD  PARTIAL  COMPLETE   
NEG AND PLATE  PROOF  SAMPLE  PRINTS   
TRANSMITTAL ENCLOSED  ORIGINAL ENCLOSED

2 copies

FROM THE OFFICE OF Webster

PKG. # 1 OF 1 PKGS

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



*Emery Station 3*

ENVIRONMENTAL HEALTH SERVICES

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

February 18, 2000

Ms. Claudia Cappio  
Emeryville Building & Planning Dept.  
2200 Powell Street, 12<sup>th</sup> Floor  
Emeryville, CA 94608

Mr. Richard Robbins  
Wareham Property Group  
1120 Nye Street, Suite 400  
San Rafael, CA 94901

**RE: Former Chevron Asphalt Plant ( Emery Station 3) Located at  
Powell Street and Landregan, Emeryville, CA 94608**

(STID# 4315)

Dear Ms. Cappio and Mr. Robbins:

This letter summarizes issues discussed in a meeting on February 9, 2000, regarding the development of Emery Station 3 at the above subject site. I requested the meeting which was held at the site and was attended by Mr. Dan Nourse, a representative of Wareham Property Group and Mr. Eric Owen of Webcor Builders.

As both of you know, the subject site has an on-going groundwater monitoring program to evaluate groundwater condition associated with releases from previous land use of the site. Chevron has been sampling ten shallow monitoring wells (MW-2A, MW-7, MW-8, MW-10, MW-11, MW-13, MW-15, MW-17, MW-18 & MW-19A) on a semi-annual basis. The last sampling event was conducted on November 4, 1999. Petroleum hydrocarbons and halogenated volatile organic compounds have been detected in groundwater beneath the site.

On January 31, 2000, our office received documents / reports provided by the City of Emeryville. These reports included the following: Health & Safety Plan dated November 11, 1998, East Bay Mud Wastewater Discharge Permit, analytical results of soil sampling conducted on November 23, 1999, historical groundwater monitoring data, landfill waste acceptance forms, and a site map of impacted soil area.

On February 3, 2000, Webcor submitted the same reports / documents including a copy of the Risk Assessment dated July 28, 1992. Due to presence of contaminants in soil and /or groundwater at the site, a risk management plan (RMP) has to be submitted for the site. The RMP should include at a minimum the following items:

- ✓ 1) Description of the site development plan - size, how many levels of underground parking garage, levels or floors for the high rise building, depth of the excavation, pile driving, etc.
- 2) Health & Safety Plan should reflect recent data collected for the site
- ✓ 3) Soil management plan
- ✓ 4) Groundwater management plan
- 5) Stormwater prevention plan
- ✓ 6) Dust control measures
- 7) Groundwater monitoring wells at the site should be adequately protected. If wells have been properly decommissioned prior to construction, a well closure report should be submitted. → *Pre-groundwater investigation*
- ✓ 8) No vertical conduits should be created for residual contaminants to migrate at the site. *Submittal of Well*
- ✓ 9) Since shallow groundwater exist beneath the site, describe measures to be taken, if any, to prevent potential groundwater intrusion. *Be tracked*
- ✓ 10) Schedule of the development project *Report 3/2/2000*
- 11) Site development map with the location of the remaining wells, location of pile driving, etc. *to submit report*

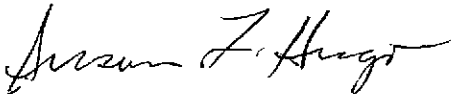
*Submittal of Well Report 3/2/2000 to submit report*

Ms. Cappio and Mr. Robbins  
RE: Former Chevron Asphalt Plant (Emery Station 3)  
February 18, 2000  
Page 2 of 2

A report should be submitted following completion of construction activities at the site. At a minimum, the report should include if applicable, results of soil and/or groundwater samples, site map indicating location of where samples were taken, and copies of records for soil and groundwater disposed off-site.

If you have any questions regarding this letter or the subject site, please contact me at (510) 567-6780.

Sincerely,



Susan L. Hugo  
Hazardous Materials Specialist

cc: Ariu Levi, Chief, Hazardous Materials & Household Hazardous Waste Programs  
Dr. Ravi Arulanantham, San Francisco Bay RWQCB  
Ignacio Dayrit, Emeryville Redevelopment Agency, 2200 Powell St., 12<sup>th</sup> Fl., Emeryville, CA 94608  
Brett Hunter, Chevron U.S.A. Products Co., P.O. Box 6004, San Ramon, CA 94583-0804  
Dan Nourse, Acumen Enterprises, 2169 Folsom Street, San Francisco, CA 94110  
Eric Owen, Webcor Builders, 2755 Campus Drive, Suite 175, San Mateo, CA 94403  
SH7 ties

Tom Banks

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

February 16, 2000

Mr. Gordon Taylor  
CBS Corporation  
11 Stanwix Street  
Pittsburgh, Pennsylvania 15222

Mr. Richard Robbins  
Wareham Property Group  
1120 Nye Street, Suite 400  
San Rafael, CA 94901

**Subject: Former Westinghouse Facility (EmeryStation II)  
Emeryville, California 94608 (STID# 5560)**

Dear Messrs. Taylor and Robbins:

This office has reviewed the report "Results of Additional Sampling at the Cistern Area, Former Westinghouse Facility" dated February 7, 2000, prepared and submitted by Soma Environmental Engineering, Inc. for the subject site.

The cistern was uncovered during construction activities last December 1999. The bottom of the cistern was reported at 4 feet below grade. Soil samples collected below the cistern found polychlorinated biphenyls (PCBs) up to 32.8 parts per million (ppm) at 5 feet below ground surface (bgs) and 71.5 ppm at 7 feet bgs. Excavated soil generated during the cistern removal and subsequent sampling was returned back to the excavation.

Results of the additional characterization of the cistern area found PCBs up to 60 ppm in shallow soil samples collected at 2 feet bgs. Soil samples collected at 4 feet bgs indicated the presence of PCB concentration ranging from 0.6 ppm to 38 ppm.

This office has no objection to the proposal to remediate the top two feet of surficial soil in the cistern area. However, the following issues must be addressed:

- 1) Confirmatory soil samples should be collected.
- 2) Excavated soil should be characterized and properly disposed.
- 3) A report should be submitted documenting the cistern removal including the results of the confirmatory samples, disposal records for both the cistern and excavated soil.
- 4) Notify this office at least 48 hours in advance when field activities will commence.

On December 23, 1999, a letter was sent to both of you regarding this agency's concern about pile driving activities at the above subject site. It is my understanding that pile driving activities (up to 80 feet bgs) will be conducted in the area where the cistern was found. To date, I have not received any formal response regarding potential vertical migration of PCB that will be created during the pile driving activities at the site. With the proposed surficial soil removal up to 2 feet bgs, residual levels of PCBs below 2 feet bgs will remain at the cistern area. No vertical conduits should be created during any construction activities at the site. Please submit your response in a timely manner prior to initiating pile driving activities at the site.

Messrs. Taylor and Robbins  
RE: Former Westinghouse Facility (EmeryStation II)  
February 16, 2000  
Page 2 of 2

If you have any questions regarding this letter or the subject site, please call me at (510) 567-6780.

Sincerely,



Susan L. Hugo  
Hazardous Materials Specialist

cc: Ravi Arulanantham, San Francisco Bay RWQCB  
Claudia Cappio / Ignacio Dayrit, City of Emeryville, 2200 Powell St., 12<sup>th</sup> Floor, Emeryville, CA 94608  
Mansour Sepehr, SOMA Environmental, 2680 Bishop Drive, Suite 203, San Ramon, CA 94583  
Daniel Nourse, Acumen Enterprises, 2169 Folsom Street, San Francisco, CA 94110  
SH / files

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
DEPOSIT / REFUND ACCOUNT SHEET

printed\*\*\*\*\*

SITE INFORMATION

Westinghouse Electric  
4899 Peladeau St  
Emeryville 94608  
Site Contact: -0-  
Site Phone : -0-

StID: 5560 Site#: 3471  
PROJECT#: 3471A  
PROJECT TYPE:\*\*\* A \*\*\*  
INSP: Susan Hugo  
ACCT. SHEET PG #: \_\_\_\_\_

PROPERTY OWNER INFORMATION

Cbs Corporation  
11 Stanwix Street  
Pittsburg, Pa 15222-1383  
Owner Contact: Gordon Taylor  
Owner Phone : -0-

PAYOR INFORMATION

C B S Corporation  
P O Box 1905  
Pittsburgh PA 15230 #1136  
Payor Contact: Gordon Taylor  
Payor Phone : -0-

Date	Action Taken	Time		Hours Spent/ Depstd	Hour Balnce	Money	
		In	Out			Spent/ Depositd	Money Balance
	Rcpt# 842404						
02/14/2000	Deposit \$5,000.00 @\$100.Hour			+50.	+50.	5,000.00	5,000.00
02/14/2000	Admin Charge: 1 hour			1.00	49.	100.00	4,900.00

*To Carlene,  
no admin charge  
for this deposit.  
This is an add-on to  
existing def pay account.  
Thanks  
Susan  
3/7/00*

*please reprint  
worksheet without  
admin charge*

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : \_\_\_\_\_ ATTACH:  State Forms A, B & C  
 Billing Adjustment\*  
DATE OF COMPLETION : \_\_\_\_\_ DATE SENT TO BILLING: \_\_\_\_\_  
TOTAL COST OF PROJECT: \_\_\_\_\_ REFUND AMOUNT: \_\_\_\_\_ Rev. 7/96

\* Billing adjustment forms needed when site is in our UST program.



ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
DEPOSIT / REFUND ACCOUNT SHEET

printed 03/10/2000

SITE INFORMATION

Westinghouse Electric  
4899 Peladeau St  
Emeryville 94608  
Site Contact: -0-  
Site Phone : -0-

StID: 5560 Site#: 3471
PROJECT#: 3471A
PROJECT TYPE: *** A ***
INSP: Susan Hugo
ACCT. SHEET PG #: _____

PROPERTY OWNER INFORMATION

Cbs Corporation  
11 Stanwix Street  
Pittsburg, Pa 15222-1383  
Owner Contact: Gordon Taylor  
Owner Phone : -0-

PAYOR INFORMATION

C B S Corporation  
P O Box 1905  
Pittsburgh PA 15230 #1136  
Payor Contact: Gordon Taylor  
Payor Phone : -0-

Date	Action Taken	Time		Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
		In	Out				
	Balance from Prev.Pg	.....	.....	.....	.....	.....	.....
02/14/2000	Rcpt# 842404 Deposit \$5,000.00 @\$100/hour			+50.		+\$5,000.00	

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : \_\_\_\_\_ ATTACH:  State Forms A,B & C  
 Billing Adjustment\*  
DATE OF COMPLETION : \_\_\_\_\_ DATE SENT TO BILLING: \_\_\_\_\_  
TOTAL COST OF PROJECT: \_\_\_\_\_ REFUND AMOUNT: \_\_\_\_\_ Rev. 5/96

\* Billing adjustment forms needed when site is in our UST program. REPORT: WrkShtD (ongoing Deposit)

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
DEPOSIT / REFUND ACCOUNT SHEET

printed\*\*\*\*\*

SITE INFORMATION

Westinghouse Electric  
4899 Peladeau St  
Emeryville 94608  
Site Contact: -0-  
Site Phone : -0-

StID: 5560 Site#: 3471  
PROJECT#: 3471A  
PROJECT TYPE:\*\*\* A \*\*\*  
INSP: Susan Hugo  
ACCT. SHEET PG #: \_\_\_\_\_

PROPERTY OWNER INFORMATION

Cbs Corporation  
11 Stanwix Street  
Pittsburg, Pa 15222-1383  
Owner Contact: Gordon Taylor  
Owner Phone : -0-

PAYOR INFORMATION

C B S Corporation  
P O Box 1905  
Pittsburgh PA 15230 #1136  
Payor Contact: Gordon Taylor  
Payor Phone : -0-

Date	Action Taken	Time		Hours	Hour	Money	Money
		In	Out	Spent/ Depstd	Balnce	Spent/ Depositd	Balance
02/14/2000	Rcpt# 842404 Deposit \$5,000.00 @\$100.Hour			+50.	+50.	5,000.00	5,000.00
02/14/2000	Admin Charge: 1 hour	.....	.....	1.00	49.	100.00	4,900.00

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : \_\_\_\_\_ ATTACH:  State Forms A,B & C  
 Billing Adjustment\*  
DATE OF COMPLETION : \_\_\_\_\_ DATE SENT TO BILLING: \_\_\_\_\_  
TOTAL COST OF PROJECT: \_\_\_\_\_ REFUND AMOUNT: \_\_\_\_\_ Rev. 7/96

\* Billing adjustment forms needed when site is in our UST program. REPORT: WrkShtA (Admin)

**CBS**  
CBS CORP

Project # 3471 - A

REF. #  
A/C NO. Std  
# 5560

COUNTY OF ALAMEDA  
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 2, 11, 00

No 842404

\$ 5000<sup>00</sup>  
DOLLARS

MISCELLANEOUS RECEIPT

Five thousand

RECEIVED FROM: CBS Corp. 11 Stanwix St Pittsburg Pa. 15222  
FOR: 4899 - Peladeau St Emeryville 94608

RECEIVED BY: [Signature] DEPT NO.: 480-4530

CASH  PERSONAL/CASHIER'S CHECK/M. O. # 30297  OTHER: \_\_\_\_\_

110-1 (Rev 10/85) [0134E (08)] 3-Part

Distribution: White - Payor - Yellow & Pink - Depart.

DATE  
020800

THE ATTACHED CHECK

**CBS**

CBS CORPORATION, 11 Stanwix Street, Pittsburgh, PA 15222

60-160  
433

CHECK NO.  
301254

301254

PAID # 1136

PAY  
FIVE THOUSAND DOLLARS AND NO CENTS

TO THE ORDER OF (NOT VALID AFTER 90 DAYS)

ALAMEDA COUNTY ENVIRONMENTAL  
1181 HARBOR BAY PARKWAY  
HEALTH SERVICES  
ALAMEDA, CA 94502-6577

DATE: 02/11/00 CHECK AMOUNT: \*\*\*\*\*5,000.00

[Signature]  
AUTHORIZED SIGNATURE

MELLON BANK N.A. THREE MELLON BANK CENTER, PITTSBURGH, PA 15259

⑆301254⑆ ⑆043301601⑆ 035⑆5637⑆

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY  
DAVID J. KEARS, Agency Director



December 23, 1999

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9432

Mr. Gordon Taylor  
CBS Corporation  
11 Stanwix Street  
Pittsburg, PA 15222-1384

Mr. Richard Robbins  
Wareham Property Group  
1120 Nye Street, Suite 400  
San Rafael, CA 94901

RE: **Former Westinghouse Facility (EmeryStation II)**  
**Emeryville, CA 94608 (STID # 5560)**

Dear Messrs. Taylor and Robbins:

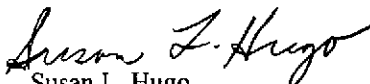
This letter is to inform you regarding this agency's concern about the pile driving activities at the above subject site. As both of you are aware, a metal cistern was recently uncovered during construction activities at the site. Soil samples were collected below the bottom of the cistern. It is my understanding that PCB up to 70 ppm was detected in soil at approximately six to seven feet below ground surface (bgs).

I visited the site on December 13, 1999 to observe the area where the cistern was found. Mr. Mansour Sepehr, Mr. Daniel Nourse and a construction staff who found the cistern attended the site visit. During this visit, I was informed that pile driving activities up to 80 feet bgs will be conducted in the area where the cistern was found and PCB up to 70 ppm was detected in soil at 6 to 7 feet bgs. I informed Mr. Mansour Sepehr and Mr. Daniel Nourse that this agency is concern about vertical migration of PCB during pile driving activities. **No vertical conduits for PCB migration should be created during any construction activities at the site.** In addition, please provide our office with records of soil disposed off-site. Any reuse of soil generated during construction activities at the site should have prior approval from this office.

Please submit an acceptable workplan to address migration of PCB during construction activities at subject site. Results of the cistern removal including all sampling (soil and /or groundwater ) should be submitted to this agency.

If you have any questions regarding this letter or the subject site, please call me at (510) 567-6780.

Sincerely,

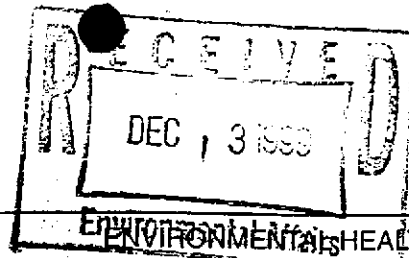
  
Susan L. Hugo  
Hazardous Materials Specialist

c: Mee Ling Tung, Director, Environmental Health Services  
Ariu Levi, Chief, Hazardous Materials, Household Hazardous Waste Programs  
Ravi Arulanantham, San Francisco Bay RWQCB  
Ignacio Dayrit /Claudia Cappio, City of Emeryville, 2200 Powell St., 12<sup>th</sup> Floor, Emeryville, CA 94508  
Mansour Sepehr, SOMA Environmental, 2680 Bishop Drive, Suite 203, San Ramon, CA 94583  
Daniel Nourse, Acumen Enterprises, 2169 Folsom Street, San Francisco, CA 94110  
SH / files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



December 7, 1999

Mr. Gordon Taylor  
CBS Corporation  
11 Stanwix Street  
Pittsburg, PA 15222-1384

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9432

**RE: Project # 3471 A - Type M (STID # 5560)**  
**Former Westinghouse Facility - 4899 Peladeau St., Emeryville, CA 94608**

Dear Mr. Taylor:

Our records indicate the deposit / refund account for the above project has fallen below the minimum deposit amount. To replenish the account, please submit an additional deposit of \$5,000.00 payable to Alameda County, Environmental Health Services.

We must receive this deposit so that future regulatory oversight on the subject site can proceed in a timely fashion. At the completion of this project, any unused monies will be refunded to you or your designee.

The deposit refund mechanism is authorized in Section 6.92.040L of the Alameda County Ordinance Code. Work on this project will be debited at the Ordinance specified rate, currently at \$ 100 per hour.

Please be sure to write the following on the check to identify your account:

- project #,
- type of project and
- site address (see RE: line above).

If you have any questions, please contact me at (510) 567-6780.

Sincerely,

Susan L. Hugo  
Hazardous Materials Specialist

c: Thomas Peacock, Program Manager  
Mansour Sepehr, Soma, 2680 Bishop Drive, Suite 203, San Ramon, CA 94583  
SH / files

00FEB 14 AM 9:19  
ENVIRONMENTAL  
PROTECTION

**CBS Corporation**

December 2, 1999

Mr. Daniel M. Nourse  
Acumen Enterprises  
2169 Folsom Street  
San Francisco, CA 94110

Gordon T. Taylor  
11 Stanwix Street  
Pittsburgh, Pennsylvania 15222-1384  
Direct Dial (412) 642-5851  
Fax (412) 642-3957  
e-mail gntaylor@cbs.com

Re: Excavated Cistern and Ongoing Pile Installation  
Emerystation Phase II, Emeryville, CA

Dear Mr. Nourse:

This letter is to memorialize the conversation we had yesterday regarding the disposal of the cistern and related stockpiled soil and also the ongoing installation of the piles and pile caps.

The recent soil sample results indicate that the stockpiled soil is a TSCA waste. CBS will reimburse Wareham Development Corporation for the reasonable costs related to the disposal of the cistern and the stockpiled soil. However, a portion of this stockpiled soil was a result of excavating below the maximum clean up depth of four feet to remove odorous soil that was found around and beneath the cistern. Further excavation of soil below the four foot clean up depth that is not related to construction activities or that is not required in the course of construction, will not be reimbursed by CBS. CBS further requests that it be contacted prior to the initiation of any excavation activities so as to minimize any future misunderstandings. You may use me as that point of contact.

We did not discuss the segregation of the concrete and metal cistern and the apparent clean sand that was contained within the cistern. I am requesting that the concrete and sand be sampled by SOMA Environmental. In the event that the sample results indicate that this material is not a TSCA waste, it can be disposed of as construction debris at a lower cost. CBS will reimburse Wareham for the reasonable costs of disposal of this limited amount of material regardless of its characterization.

As you indicated, the pile caps will be installed to depths of 3 to 4 feet below the surface of the concrete slab. Previous sampling results over the Building 42 slab area indicated that all soil in these samples at 1 ½ to 3 ½ feet in depth are below the PCB clean up criteria. In the event that soil is encountered at these depths which exceeds the PCB clean up criteria, CBS will reimburse Wareham for the appropriate disposal of this material to the extent that Wareham does nothing to increase the volume of soil requiring disposal due to its inappropriate segregation of soils or other unwarranted actions.

Daniel M. Nourse  
Page 2  
December 2, 1999

I have requested that SOMA Environmental assist your contractor by taking the samples as appropriate and delivering them to Delta Environmental Laboratories for analysis. Please let me know if this is a satisfactory arrangement.

Sincerely,



Gordon T. Taylor

PC: Richard K. Robbins  
David H. Kremer, Esq.  
William D. Wall, Esq.  
Mansour Sepehr



2680 Bishop Drive, Suite 203  
San Ramon, California 94583  
TEL (925) 244-6600  
FAX (925) 244-6601

**FAX TRANSMITTAL**

DATE: Dec. 13, 1999 FAX # 510-337-9335

TO: Susan Hugo

COMPANY: \_\_\_\_\_

FROM: Mansour

SUBJECT: Letter dated Dec. 2 from CBS to Dan Nourse

NUMBER OF PAGES INCLUDING COVER: 3

MESSAGE:



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



August 25, 1999

ENVIRONMENTAL HEALTH SERVICES

1131 Harbor Bay Parkway, Suite 250

Alameda, CA 94502-6577

(510) 567-6700

(510) 337-9335 (FAX)

Mr. Gordon Taylor  
CBS Corporation  
11 Stanwix Street  
Pittsburgh, PA 15222

**Subject: Former Westinghouse Electric Corporation Facility (WEC)  
5815 Peladeau Street, Emeryville, CA 94608 (SLIC 5560)**

Dear Mr. Taylor:

This agency and the Cal-EPA / San Francisco Bay Regional Water Quality Control Board (RWQCB) have reviewed the "Comprehensive Site Closure Report" (October 30, 1998) and the "Results of Off-Site Investigation Report" (August 4, 1998) prepared and submitted by Soma Environmental Engineering, Inc. for the above subject site. The reports documented the recent work conducted to demonstrate that the site closure requirements have been met.

In general, we concur with SOMA's recommendation for site closure. However, the only remaining issue is the presence of polychlorinated biphenyls (PCBs) found off-site at the following locations: boring SB-5 (3.8 ppm at 0.5 feet depth), shallow soil sample S-1 (136 ppm, composite of two samples collected between 0 to 2 feet bgs), deep soil sample S-2 (4.1 ppm, composite sample collected between 2 to 4 feet bgs). The PCBs found off-site at the Heritage Square located north of the former WEC are above the recommended risk-based cleanup goals as described in the report "Human Health Risk Assessment, 1996" submitted for the site. The extent of PCBs found off-site has to be delineated. Please submit a work plan for further characterization and remediation of PCB-impacted hot spots at the Heritage Square property.

Upon completion of the off-site characterization and remediation of PCB impacted areas and the analytical results showed that the remedial goals for the site have been met, ACDEH in concurrence with the RWQCB will issue a closure letter.

In addition, a deed restriction for Parcel 1 and 4 as shown in Alameda County Parcel Map 7258 should be recorded prior to occupancy of the newly constructed building at the former WEC site.

If you have any questions regarding this letter or the subject site, please contact me at (510) 567-6780 or Ravi Arulanantham at (510) 622-2308, e-mail: [ra@rb2.swrcb.ca.gov](mailto:ra@rb2.swrcb.ca.gov).

Sincerely,

Susan L. Hugo  
Hazardous Materials Specialist

Ravi Arulanantham, PhD.  
Staff Toxicologist, Cal-EPA/S.F. Bay RWQCB

c: Mee Ling Tung, Director, Environmental Health Services  
Ignacio Dayrit, Emeryville Redevelopment Agency, 2200 Powell St. 12<sup>th</sup> Fl., Emeryville, CA 94608  
Richard Robbins, Wareham Property Group, 1120 Nye St. Suite 400, San Rafael, CA 94901  
Mansour Sepehr, Soma Env. Engr. Inc., 2680 Bishop Drive, San Ramon, CA 94583  
SH / files (wec)

October 29, 1998



ENVIRONMENTAL  
PROTECTION

98 NOV -3 AM 9:06

Project: 2172

Ms. Susan Hugo  
Senior Hazardous Materials Specialist  
Alameda County  
Department of Environmental Health  
1131 Harbor Bay Parkway  
Second Floor  
Alameda, CA 94502

Dr. Ravi Arulanantham  
Regional Water Quality Control Board  
San Francisco Region  
1515 Clay Street  
Suite 1400  
Oakland, CA 94612

SJWA

Subject: SOMA Environmental Engineering, Inc. Report Entitled "Comprehensive Site Closure Report, 5815 Peladeau Street, Emeryville, California"

Dear Susan and Ravi:

On behalf of CBS Corporation, and EmeryStation and Associates, LLC, SOMA Environmental Engineering, Inc. is pleased to submit the attached report entitled "Comprehensive Site Closure Report, 5815 Peladeau Street, Emeryville, California" for the former Westinghouse Emeryville facility, located at 5815 Peladeau Street, Emeryville, California for your review and approval.

Thank you very much for your technical advice and regulatory oversight. Meanwhile please do not hesitate to call me at (925) 244-6600 if you have any questions or comments.

Sincerely;

Mansour Sepehr, Ph.D., P.E.  
Principal

Enclosure:

cc: Mr. Gordon Taylor, Principal Engineer, CBS Corporation  
Ms. Marlene Jackson, Babst, Calland, Clements and Zomnir  
Mr. Dan Nourse, Wareham Development Group

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# W A R E H A M   D E V E L O P M E N T

August 10, 1998

Ms. Susan L. Hugo  
Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Dear Susan:

We are most appreciative of the all your work and, as I told Dr. Ravi, we share your commitment in doing everything in our power to make the world a better place. We look forward to working with you in the future in the Alameda County and State of California.

A special note of thanks to you, Susan, for rearranging your day to accomplish the task at hand. We are most appreciative of our relationship with you and are most grateful to you for your efforts, energy and commitment you have given to this project.

Sincerely yours,

  
Richard K. Robbins, for  
**WAREHAM DEVELOPMENT**

RKR/cfg

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

August 7, 1998

Mr. Gordon T. Taylor  
CBS Corporation  
11 Stanwix Street  
Pittsburgh, Pennsylvania 15222

**Subject: Former Westinghouse Electric Corporation Facility (WEC)  
Parcels 1 and 4 as Shown in Alameda County Parcel Map 7258  
5815 Peladeau Street, Emeryville, California 94608 ( SLIC 5560 )**

Dear Mr. Taylor:

This agency and the Cal-EPA / San Francisco Bay Regional Water Quality Control Board (RWQCB) have reviewed the reports related to the investigation and source removal associated with polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs) and petroleum hydrocarbon releases at the above referenced site. We are in receipt of the following reports:

- Underground Storage Tank Closure Report (July 23, 1998) prepared and submitted by Soma Environmental Engineering
- Health and Safety Plan for Construction Workers at WEC (April 6, 1998) prepared and submitted by Soma Environmental Engineering
- Site Soil Remediation Completion Reports (January 1997) prepared and submitted by Alta Geosciences, Inc.
- Baseline Human Health Risk Assessment for WEC (March 15, 1996) prepared and submitted by Soma Environmental Engineering
- Soil Characterization, WEC Building 42 (September 1993) prepared and submitted by Emcon Associates
- Soil Characterization, WEC Buildings 24 and 37 (August 1993) prepared and submitted by Emcon Associates

Parcels 1 and 4 are referred to as Sites 1 and 2, respectively in the July 1998 tank closure report. The content of this letter applies to Parcels 1 and 4 of the Alameda County Parcel Map 7258.

The subject property ( Parcel 1 and Parcel 4 ) is located in an urban, former industrial area of Emeryville. The site is bounded to the north by Heritage Square, Powell Street to the south, Peladeau Street to the east and "WEC Site 3" with the slurry wall / engineered cap and Amtrak Station to the west.

The referenced reports document the investigation, characterization and source removal activities related to PCBs, VOCs, and petroleum hydrocarbons found at the site. Remedial activities conducted at the subject site included excavation of contaminated soil, removal of three underground storage tanks and associated pipings, removal of an oil sump, and groundwater pumping. The property is currently being developed as a multi-story office complex and parking lots.

The Cal-EPA / San Francisco Bay RWQCB and this agency concur that no further remediation is required for the subject site under the proposed development plan as commercial land use. The existing environmental conditions at the site are consistent with the approved remedial cleanup goals described in the

Mr. Gordon Taylor  
RE: Former WEC (Parcels 1 & 4 of Parcel Map 7258) Emeryville, CA  
August 7, 1998  
Page 2 of 2

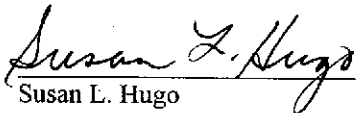
"Human Health Risk Assessment, 1996" for the WEC. In addition, it is our understanding that the property owner (CBS) and the potential future buyer (Wareham Development) have voluntarily agreed to record a deed restriction for the subject property. The deed restriction will prohibit any residential development of the subject property.

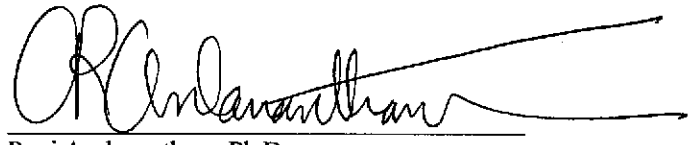
Therefore, we concur with the current environmental conditions for Parcel 1 and Parcel 4 and we have no objection to the development of the site provided the following conditions are met:

- 1) Copy of the recorded deed should be submitted to both agencies, Cal-EPA/ S.F. Bay RWQCB and Alameda County Department of Environmental Health (ACDEH).
- 2) If significant future construction activities occur at the site, a health and safety plan shall be followed accordingly.

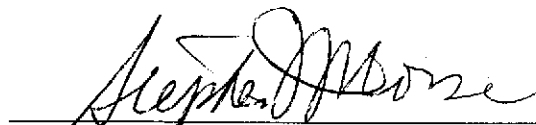
If you have any questions regarding this letter or the subject site, please contact me at (510) 567-6780 or Ravi Arulanantham at (510) 622-2308.

Sincerely,

  
Susan L. Hugo  
Hazardous Materials Specialist

  
Ravi Arulanantham, Ph.D.  
Staff Toxicologist, Cal-EPA / S.F. Bay RWQCB

Concur:

  
Stephen Morse, P.E., Chief  
Toxics Cleanup Division, Cal-EPA / S.F. Bay RWQCB

c: Mee Ling Tung, Director, Alameda County Department of Environmental Health  
Richard Pantages, Chief, Hazardous Materials Program  
John Flores, City Manager, Emeryville, 2200 Powell Street, 12<sup>th</sup> Floor, Emeryville, CA 94608  
Ignacio Dayrit, City of Emeryville Redevelopment Agency, 2200 Powell Street, 12<sup>th</sup> Floor, Emeryville, CA 94608  
Mansour Sepehr, Soma Environmental Engineering, Inc., 2680 Bishop Drive, Suite 203, San Ramon, CA 94583  
SH / RA / files

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
 DEPOSIT / REFUND ACCOUNT SHEET

printed 05/12/98

SITE INFORMATION

C B S Corporation  
 5815 Peladeau St  
 Emeryville 94608  
 Site Contact: Mr Gordon Taylor  
 Site Phone :

StID: 5359 Site#: 71
PROJECT#: 71B
PROJECT TYPE:*** R ***
INSP: Susan Hugo
ACCT. SHEET PG #: _____

PROPERTY OWNER INFORMATION

Owner Contact:  
 Owner Phone :

PAYOR INFORMATION

Soma Enviornmental Eng'g  
 2680 Bishop Dr #203  
 San Ramon CA 94583 #1100  
 Payor Contact:  
 Payor Phone : 244-6600

Date	Action Taken	Time		Hours	Hour	Money	Money
		In	Out	Spent/ Depstd	Balnce	Spent/ Depositd	Balance
_____	Balance from Prev. Page	.....	.....	.....	_____	.....	_____
05/12/98	Rcpt# 805783 Deposit of \$680.00 @ \$94/hour	_____	_____	+7.23	_____	+\$680.00	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : \_\_\_\_\_ ATTACH:  State Forms A,B & C  
 Billing Adjustment\*  
 DATE OF COMPLETION : \_\_\_\_\_ DATE SENT TO BILLING: \_\_\_\_\_  
 TOTAL COST OF PROJECT: \_\_\_\_\_ REFUND AMOUNT: \_\_\_\_\_ Rev. 5/96

\* Billing adjustment forms needed when site is in our UST program. REPORT: WrkShtD (ongoing Deposit)

STD 5560

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
ENVIRONMENTAL HEALTH SERVICES  
1131 HARBOR BAY PARKWAY, RM 250  
ALAMEDA, CA 94502-6577  
PHONE # 510/567-6700

**ACCEPTED**

Underground Storage Tank Closure Permit Application  
Alameda County Division of Hazardous Materials  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/alteration.

One copy of the accepted plan must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

- Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

**\*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:**

Contact Specialist:

*Please note change made on page 6 & need an amended site map with location of the 3rd tank.*

*Suzanne J. Hays  
5/11/98*

**UNDERGROUND TANK CLOSURE PLAN**

\* \* \* Complete plan according to attached instructions \* \* \*

1. Name of Business CBS Corporation  
Business Owner or Contact Person (PRINT) Mr. Gordon Taylor
2. Site Address 5815 Peladeau Street  
City Emeryville Zip 94608 Phone --
3. Mailing Address 5815 Peladeau Street  
City Emeryville Zip 94608 Phone --
4. Property Owner CBS Corporation  
Business Name (if applicable) \_\_\_\_\_  
Address Gateway Center, 11 Stanwix Street  
City, State Pittsburgh, PA Zip 15222
5. Generator name under which tank will be manifested  
CBS Corporation  
EPA ID# under which tank will be manifested CA T08001131

6. Contractor DECON Environmental Services

Address 23490 Connecticut Street

City Hayward

Phone (510) 732-6444

License Type A, Haz

ID# 545726 Exp. date 11/30/98

7. Consultant (if applicable) SOMA Environmental Engineering, Inc.

Address 2680 Bishop Drive, Suite 203

City, State San Ramon, CA

Phone (925) 244-6600

8. Main Contact Person for Investigation (if applicable)

Name Gordon Taylor

Title Principal Engineer

Company CBS Corporation

Phone (412) 642-5851

9. Number of underground tanks being closed with this plan 1

Length of piping being removed under this plan Unknown

Total number of underground tanks at this facility (\*\*confirmed with owner or operator) One 3,000 Gal. Gasoline and two 18,000 Gal. Mineral Oil tanks were removed in 1988 and 1998.

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground storage tanks must be handled as hazardous waste \*\***

a) Product/Residual Sludge/Rinsate Transporter

Name Phillip Environmental EPA I.D. No. CAD063547996

Hauler License No. 0381 License Exp. Date 4/30/99

Address P.O. Box 150

City San Martin

State CA

Zip 95046

b) Product/Residual Sludge/Rinsate Disposal Site

Name Seaport Environmental EPA ID# CAL 00032058

Address 675Seaport Blvd.

City Port of Redwood City

State CA

Zip 94063



c) Tank and Piping Transporter

Name DECON Environmental EPA I.D. No. CAD982468183  
Hauler License No. 2592 License Exp. Date 01/31/99  
Address 23490 Connecticut Sreet  
City Hayward State CA Zip 94545

d) Tank and Piping Disposal Site

Name Ecology Control Industries EPA I.D. No. CAD982030173  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

11. Sample Collector

Name Steve Stanley  
Company DELTA Environmental Laboratories  
Address 685 Stone Road  
City Benicia State CA Zip 94510 Phone (707)747-6081

12. Laboratory

Name DELTA Environmental Laboratories  
Address 685 Stone Road  
City Benicia State CA Zip 94510  
State Certification No. 1857

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:

For each 100 gal. capacity of tank, 3 lb. of dry ice will be placed  
inside the tank. Although we do not expect any vapor inside the tank  
we will check to see if the LEL is met. This way we will mak sure that  
the tank is inert.

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) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
One 5,000 Gal UST	Unknown, possibly for mineral oil storage for transformer manufacturing use	Tank Conteny Soil and Groundwater	2 soil/gw gran samples. One sample from each end.  For every 20 feet of linear foot on piping, one rep. sample will be collected.

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.

\*) All pipings associated with UST will be removed. ✓

Excavated/Stockpiled Soil

Stockpiled Soil Volume  
(estimated)

10-20 yard

Sampling Plan

Soils will be stock piled and characterized for proper disposal. The re-use of soil at the property must be approved by Alameda County.

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 \_\_\_\_\_

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.

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	8015M/LUFT	3510/3550/LUFT	50ug/L water
Diesel	8015M/LUFT	3510/3550/LUFT	1mg/kg soil
Motor Oil	8015M/LUFT	3510/3550/LUFT	100ug/L water
Motor Oil	8015M/LUFT	3510/3550/LUFT	2.5 mg/kg soil
TPH-g PCBs Chlorinated Solvents including VOCs and BTEX in soil and groundwater <i>Purgeable VOCs</i>	<i>8260</i>		

18. Submit Worker's Compensation Certificate copy

Name of Insurer American International Specialty

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)

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 DECON Environmental  
Name of Individual Chris Kwoka  
Signature \_\_\_\_\_ Date 5/5/98

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business CBS corporation  
Name of Individual Gordon Taylor  
Signature Gordon Taylor Date 5-7-98

**ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION**

**DECLARATION OF SITE ACCOUNT REFUND RECIPIENT**

*There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.*

**SITE INFORMATION:**

Site ID Number  
(if known)

Former Westinghouse Facility

Name of Site

5815 Peladeau Street

Street Address

Emeryville, CA 94608

City, State & Zip Code

I designate the following person or business to receive any refund due at the completion of all deposit/refund projects:

SOMA Environmental Engineering, Inc.

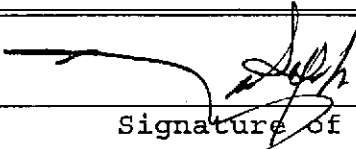
Name

2680 Bishop Drive, Suite 203

Street Address

San Ramon, CA 94583

City, State & Zip Code

  
Signature of Payor

5/17/98  
Date

Mansour Sepehr

Name of Payor  
(PLEASE PRINT CLEARLY)

SOMA Environmental Engineering  
Company Name of Payor

**RETURN FORM TO:**

County of Alameda, Environmental Protection  
1131 Harbor Bay Parkway, Rm 250  
Alameda CA 94502-6577  
Phone#(510) 567-6700

## ADDENDUM

### HEALTH AND SAFETY PLAN FOR THE FORMER WESTINGHOUSE ELECTRIC CORPORATION FACILITY UNDERGROUND STORAGE TANK REMOVAL ACTIVITIES

#### A1.0 Introduction

The site-wide Health and Safety Plan (HSP) was prepared to address all known aspects of construction-related activities associated with the development of the former Westinghouse Electric Corporation Facility located in Emeryville, California (Emeryville Facility). However, during the week of April 27, 1998, two 18,000-gallon underground storage tanks (USTs) were discovered during construction activities. The following addendum to the site-wide HSP addresses tank removal, soil and groundwater sampling and construction activities in the UST area. *A third tank was uncovered on 5/8/98.*

#### A2.0 UST-Specific Activities

The following section describes all aspects of the construction-related activities for the UST area, including 1) characterization of tank contents; 2) UST removal; 3) characterization of soil beneath the tanks; and 4) hazards associated with the UST area.

#### A2.1 Characterization of the UST Contents

Upon discovery of the two USTs at the Emeryville Facility, one grab sample was collected from each UST and sent to an off-site laboratory for chemical analysis. Based on the history of the site, both UST samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as

diesel (TPH-d), total petroleum hydrocarbons as motor oil (TPH-mo) and polychlorinated biphenyls (PCBs). The analytical results are summarized for UST-1 and UST-2 in Tables A-1 and A-2, respectively.

**Table A-1**  
**Analytical Results for the Contents of UST-1**

POTENTIAL CONTAMINANT	ANALYTICAL METHOD	CONCENTRATION (µg/L or ppb)	REPORTING LIMIT (µg/L or ppb)
Gasoline (TPH-g)	EPA 8015-Mod	N.D.	50
Diesel (TPH-d)	EPA 8015-Mod	7000	50
Motor Oil (TPH-mo)	EPA 8015-Mod	970	500

**Table A-2**  
**Analytical Results for the Contents of UST-2**

POTENTIAL CONTAMINANT	ANALYTICAL METHOD	CONCENTRATION (µg/L or ppb)	REPORTING LIMIT (µg/L or ppb)
Gasoline (TPH-g)	EPA 8015-Mod	N.D.	50
Diesel (TPH-d)	EPA 8015-Mod	5300	50
Motor Oil (TPH-mo)	EPA 8015-Mod	1300	500
PCBs	SW846 8080A		
AROCLOR 1016		N.D.	0.50
AROCLOR 1221		N.D.	0.50
AROCLOR 1232		N.D.	0.50
AROCLOR 1242		N.D.	0.50
AROCLOR 1248		N.D.	0.50
AROCLOR 1254		N.D.	0.50
AROCLOR 1260		N.D.	0.50



## A2.2 UST Removal

DECON Environmental Services, a qualified, OSHA 40-Hour Hazardous Waste Operations and Emergency Response Certified contractor will be used to dispose of the tank contents and tanks. The liquid inside the tanks will be emptied and disposed off-site according to all applicable local, state and federal regulations. Likewise, the tanks and all supporting piping and concrete will be removed by the UST contractor and disposed off-site according to all applicable local, state and federal regulations.

## A2.3 Characterization of Soil and Groundwater at the Former UST

### Locations

Since the integrity of the USTs is unknown, the USTs could have leaked their contents into the surrounding soil over a number of years. In order to protect construction workers and minimize their potential exposure to hydrocarbon-related soil and groundwater contaminants, both the soil and groundwater beneath the USTs will be characterized. Figure 1 shows the location of USTs.

It is recommended that a minimum of five soil samples and one grab groundwater sample be collected beneath the USTs. Based on the tank content analyses (Tables A-1 and A-2), the soil and groundwater samples will be analyzed for the following constituents:

- Total petroleum hydrocarbons as diesel (EPA Method 8015-modified)
- Total petroleum hydrocarbons as motor oil (EPA Method 8015-modified)
- Benzene, ethylbenzene, toluene and xylenes (BTEX) (EPA Method 8020)

*\* see page 6 of  
UST closure  
for  
additional  
analyses*

A laboratory turnaround time of 24-hours will be used and the results of the UST characterization will be evaluated by SOMA to determine 1) if additional

characterization is required; 2) if soil excavation and off-site disposal is warranted; and 3) the level of protected equipment and training required for construction workers in the area of the former USTs.

#### **A2.4 Worker Health and Safety for the UST area**

The USTs were reported to contain total petroleum hydrocarbons as diesel and motor oil. However, the laboratory analytical reports further qualified these results by stating:

*Hydrocarbon reported is in the late Diesel Range and does not match our Diesel Standard. Hydrocarbon reported as Motor Oil does not match the pattern of our Motor Oil Standard.*

This suggests that the material present in the USTs is of an oil nature and at the higher hydrocarbon range (i.e., greater than C<sub>12</sub>). Historical information provided by Westinghouse Corporation (Personal communication, Mr. Gordon Taylor) indicates that the USTs were used to store mineral oil that was used as a transformer oil or dielectric fluid. Mineral oil is primarily comprised of long chain hydrocarbons that are typically less toxic than other lighter constituents in other petroleum products. As discussed previously, the soil and groundwater from beneath the USTs will be characterized in order to minimize potential exposures through inhalation, ingestion and dermal contact and ensure that workers are adequately protected during construction activities at the former UST locations.

SOMA industrial hygienist Philip Bumala, CIH, will act as the Site Safety Officer (SSO) and will conduct air monitoring during excavation activities at the UST area. The SSO will conduct a pre-construction health and safety meeting prior to commencing excavation operations, and will work with on-site staff to implement exposure prevention measures.

If air monitoring indicates that Level-C or higher personal protective equipment (PPE) is necessary, construction/excavation activities will be suspended until OSHA 40-hour trained workers can be obtained to continue site activities. This will occur only if engineering controls cannot be feasibly or adequately implemented to reduce air concentrations of petroleum hydrocarbons and potential BTEX below the levels specified in Table A-3.

**Table A-3**  
**Recommended Air Concentrations of Soil Contaminants**

SOIL CONTAMINANT OF CONCERN	OSHA PERMISSIBLE EXPOSURE LIMIT (TWA) (mg/m <sup>3</sup> )	ACGIH TLV FOR OCCUPATIONAL EXPOSURE (mg/m <sup>3</sup> )	NIOSH RECOMMENDED OCCUPATIONAL EXPOSURE LIMIT (mg/m <sup>3</sup> )
Petroleum Distillate	1,647 (400 ppm)		350 (85 ppm) 1,800 (15 min. ceiling)
Kerosene (light diesel)	None		100
Oil Mist	5		5
Benzene	3.2 (1 ppm)	32 (10 ppm)	0.3 (0.1 ppm)
Ethylbenzene	435 (100 ppm)	435 (100 ppm)	435 (100 ppm)
Toluene	375 (100 ppm)	375 (100 ppm)	375 (100 ppm)
Xylenes	434 (100 ppm)	434 (100 ppm)	434 (100 ppm)

### **A2.5 Site Work Recommendations**

Workers should be informed prior to UST area work of the potential hazards associated with exposure to site-related contaminants, especially petroleum hydrocarbons and VOCs in soil and groundwater. Continuous air monitoring will establish the level of actual worker exposure to these compounds during construction/excavation activities. If air monitoring indicates that more stringent PPE is required, all construction/excavation operations will stop until OSHA 40-hour trained workers are available to continue construction activities. This will

only occur if engineering controls can not be feasibly or adequately implemented to the levels presented in Table A-3. Additional recommendations will be made onsite, as necessary by the SSO.

### **A3.0 Site Safety Authority**

See Section 3.0 of the Site Health and Safety Plan.

### **A4.0 Job Hazard Analysis**

The following summarizes the potential hazards associated with construction/excavation activities at the UST area of the Emeryville Facility.

#### **A4.1 Chemical Hazards**

The following presents a discussion of the potential hazards associated with the mineral oils that were reported to have been stored in the USTs.

##### **Mineral Oil**

Mineral oils are highly refined in order to remove any harmful substances. They are typically divided into two primary categories: 1) technical grades, which are used as lubricants and rust preventatives (e.g., for food machinery, among other uses); and, 2) USP grades, which can be used in applications such as food processing, dust control for cereal grains and in plastics production. Mineral oils are also widely used in pharmaceuticals, such as baby oil. Consequently, these oils have a wide range of applications designed for human exposure. The technical grade of mineral oil that was used for transformer fluid has gone through numerous toxicity tests to ensure protection of human health. Therefore, any potential exposure to mineral oil residues in soil during construction/excavation activities would not be expected to cause adverse health effects.

As discussed previously, the tank contents were reported to contain petroleum hydrocarbons consistent with portions of the TPH-d and TPH-mo ranges. In order to ensure adequate protection of workers in the UST areas, the following presents a discussion of the potential hazards associated with petroleum

hydrocarbons and the most toxic constituents that are routinely found with these petroleum compounds, specifically, TPH-d and BTEX.

#### **Total Petroleum Hydrocarbons - as Diesel**

Fuel oils are petroleum products that are used in many types of engines, lamps, heaters, furnaces, stoves, and as solvents. Fuel oils come from crude oil and are refined to meet specifications for each use. Fuel oils are mixtures of aliphatic (straight- and branched-chain hydrocarbons) and aromatic (benzene and compounds similar to benzene) petroleum hydrocarbons. In addition, they may contain small amounts of nitrogen, sulfur, and other elements as additives. The most likely way for a worker to be exposed to fuel oils is through contact with the skin or in the air. Some workers may be exposed to fuel oils through their skin if they come into contact with them without adequate protection, such as gloves, boots, coveralls, or other protective clothing.

Direct contact with skin can result in irritation and dermatitis. Inhalation of fuel oils can result in headache, light-headedness, anorexia (loss of appetite), poor coordination, and difficulty in concentration. Long term exposure of laboratory animals to fuel oils can cause skin cancer in mice and may cause liver cancer in mice. However, there is no evidence that the diesel range hydrocarbons cause cancer in man. Potential exposures during construction/excavation activities at the UST area of the Emeryville Facility would be of short duration and would not be expected to result in any adverse health effects.

#### **Benzene**

Benzene is a natural constituent of crude oil, and following petroleum refining, is a volatile component of lighter petroleum products such as gasoline. During construction activities, potential exposure to benzene would be primarily through inhalation and dermal contact with soil. Long-term exposure to relatively high levels of benzene in the air can cause cancer of the blood-forming organs, also known as leukemia. Long-term exposure to benzene has also been linked with damage to chromosomes which are the parts of cells that are responsible for the development of hereditary characteristics. Short term exposures to benzene in the air, as would occur during construction/excavation activities, can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. In most cases, people will stop feeling these effects when they stop being exposed and begin to breathe fresh air. In humans, benzene is a skin irritant. By defatting the keratin layer, it may cause erythema, vesiculation, and dry and scaly dermatitis. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

### **Ethylbenzene**

Ethylbenzene occurs naturally in coal tar and petroleum. It is also found in many man-made products, including paints, inks, and insecticides. During construction activities, potential exposure to ethylbenzene would be primarily through inhalation and dermal contact with soil. Exposure to low levels of ethylbenzene in the air for short periods of time may produce eye and throat irritation. Exposure to higher levels in air may result in more severe effects such as decreased movement and dizziness. In most cases, people will stop feeling these effects when they stop being exposed and begin to breathe fresh air. No significant health effects have been documented following dermal exposure to ethylbenzene. Studies in workers and in animals exposed to ethylbenzene indicate that ethylbenzene does not cause cancer. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

### **Toluene**

Toluene occurs naturally in crude oil. It is produced in the process of making gasoline and other fuels from crude oil, in making coke from coal, and as a by-product in the manufacture of styrene. Toluene is used in making paints, paint thinners, fingernail polish, lacquers, adhesives, and rubber and in some printing and leather tanning processes. During construction activities, potential exposure to toluene would be through inhalation and dermal contact with soil. Exposure to toluene in the can cause tiredness, confusion, weakness, drunken-type actions, memory loss, nausea, and loss of appetite. These symptoms usually disappear when exposure is stopped. In humans, dermal contact with toluene may cause skin irritation because it removes skin oils (defatting). Studies in workers and in animals exposed to toluene indicate that toluene does not cause cancer. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

### **Xylenes**

Toluene occurs naturally in crude oil. It is produced in the process of making gasoline and other fuels from crude oil. Along with other solvents, xylene is also used as a cleaning agent, a thinner for paint, and in varnishes. It is found in small amounts in fuels and petroleum products. Xylene is used as a material in the chemical, plastics, and synthetic fiber industries and as an ingredient in the coating of fabrics and papers. During construction activities, potential exposure to toluene would be through inhalation and dermal contact with soil. Short-term exposure of people to high levels of xylene can cause irritation of the skin, eyes, nose, and throat; difficulty in breathing; impaired

function of the lungs; delayed response to a visual stimulus; impaired memory; stomach discomfort; and possible changes in the liver and kidneys. Both short- and long-term exposure to high concentrations of xylene can also cause a number of effects on the nervous system, such as headaches, lack of muscle coordination, dizziness, confusion, and changes in one's sense of balance. These symptoms usually disappear when exposure is stopped. Studies in workers and in animals exposed to xylenes indicate that xylenes do not cause cancer. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

#### **A4.2 Physical Hazards**

See Section 4.2 of the Site Health and Safety Plan.

#### **A5.0 Hazard Prevention Procedures**

See Section 5.0 of the Site Health and Safety Plan.

#### **A6.0 Personal Protective Equipment**

For construction/excavation activities associated with the UST area, there are no indications of significant exposure to mineral oils, VOCs or petroleum hydrocarbons, based on preliminary results from sampling the contents of the tanks. Therefore, it is anticipated that Level-D protection will be adequate, at this time. Following characterization of the soil and groundwater beneath the USTs, additional worker protection may be required. The various levels of personal protection are summarized in detail in Section 6.0 of the Site Health and Safety Plan.

#### **A7.0 Work Zones and Site Security**

See Section 7.0 of the Site Health and Safety Plan.

#### **A8.0 Decontamination Procedures**

See Section 8.0 of the Site Health and Safety Plan.

**A9.0 Training Requirements**

See Section 9.0 of the Site Health and Safety Plan.

**A10.0 Emergency Response and Contingency Plan**

See Section 10.0 of the Site Health and Safety Plan.

*Designated Health & Safety Officer:*

*William J. Bon* for *Phil Bumala*



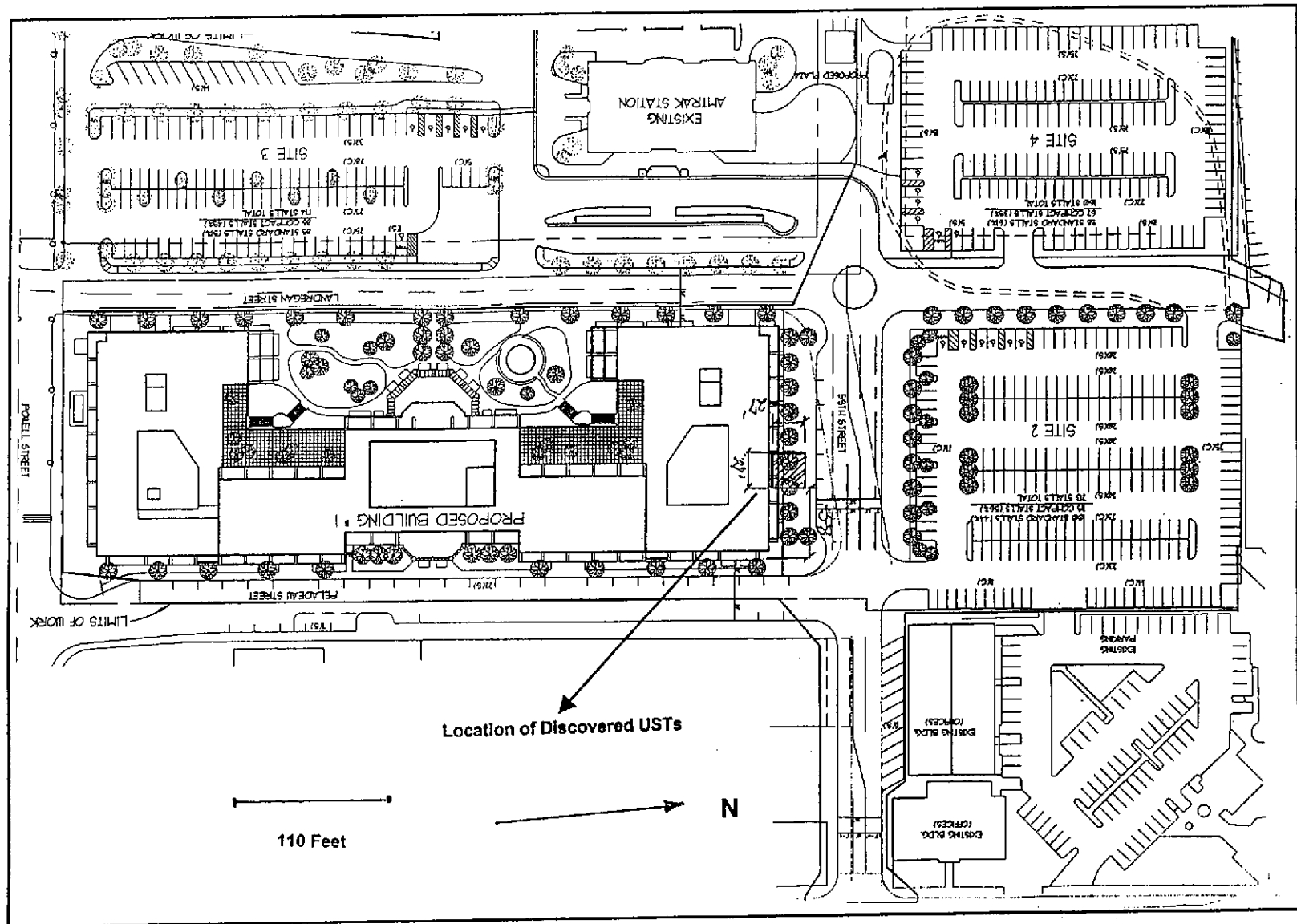


Figure 1: Location of Underground Storage Tanks

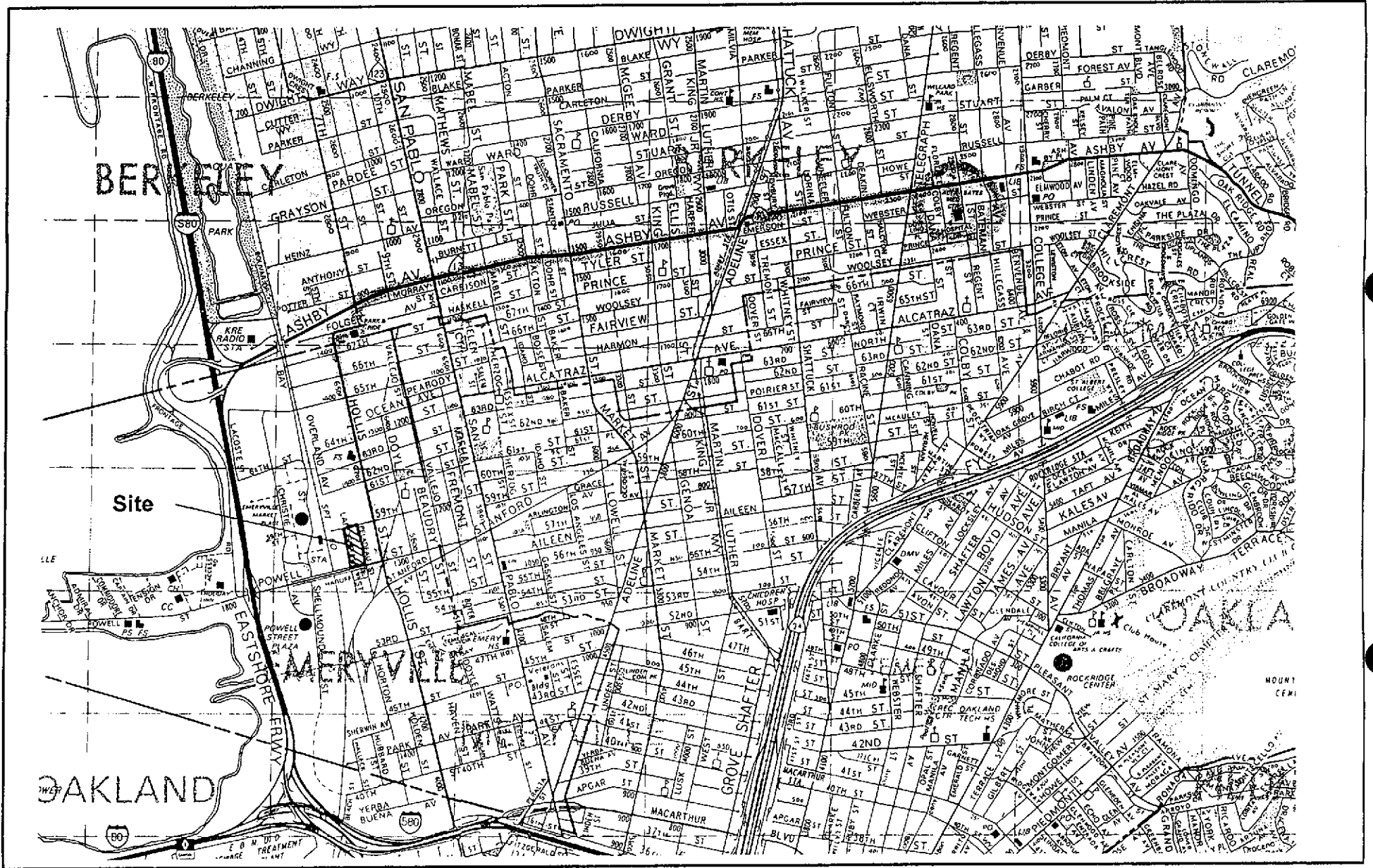


Figure 2: Route to Nearest Hospital

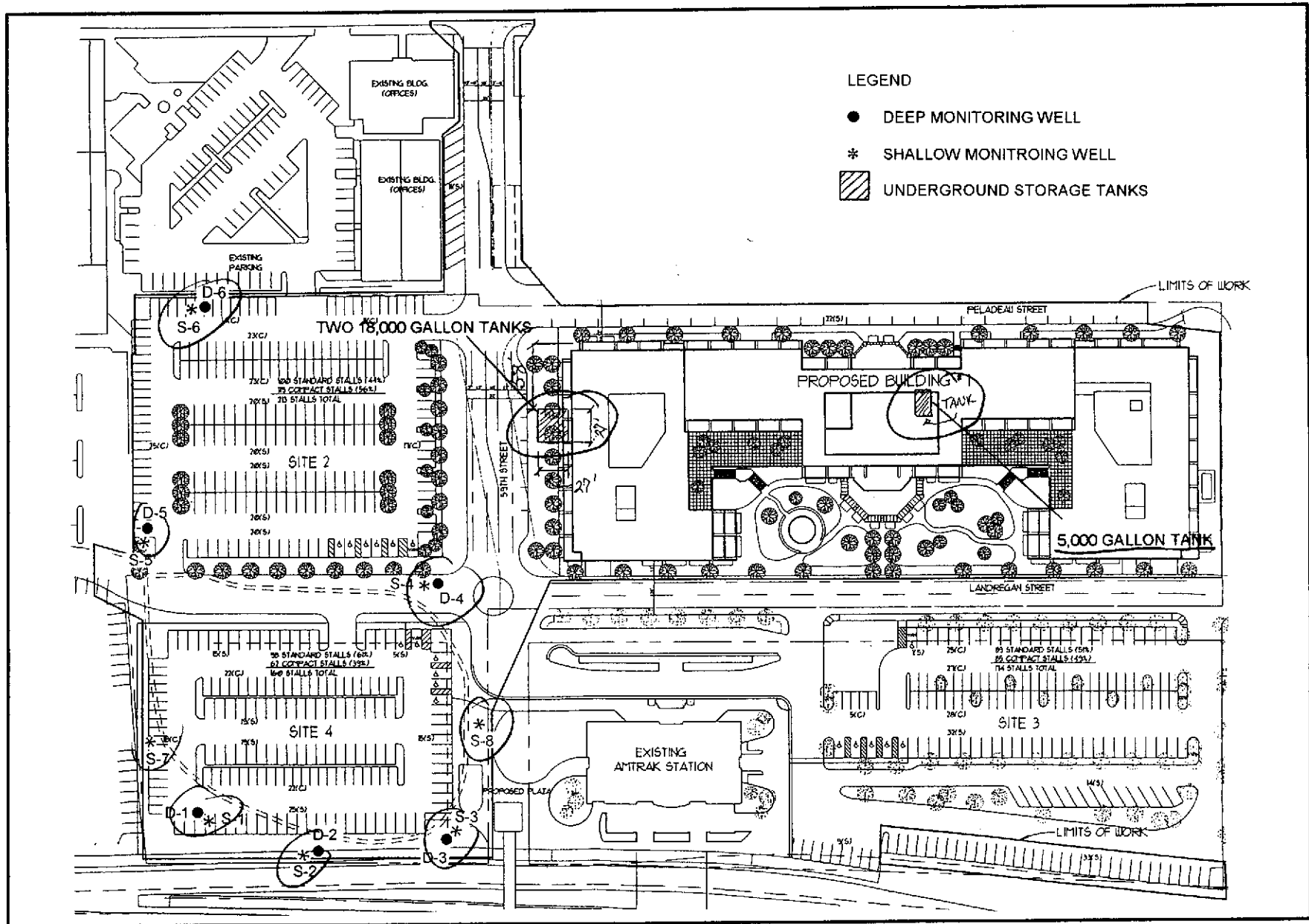


Figure 1: Locations of Groundwater Monitoring Wells and Underground Storage Tanks



FAX TRANSMISSION

DECON Environmental Services, Inc.  
23490 Connecticut Street  
Hayward, CA 94545  
Phone: (510) 732-6444  
Fax: (510) 782-8584

TO: Susan Hugo FAX: 510-337-9335

COMPANY: \_\_\_\_\_ PHONE: \_\_\_\_\_

FROM: Catherine For Dalton DATE: 5/7/98 TIME: \_\_\_\_\_

REFERENCE: \_\_\_\_\_

TOTAL NUMBER OF PAGES SENT (Including Cover Sheet): 2

Original to follow by:

U.S. Mail  Express Overnight Mail  
 Courier  No Hard Copy to Follow

COMMENTS:

**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 420807, SAN FRANCISCO, CA 94142-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

SEPTEMBER 30, 1997

POLICY NUMBER: GRP#571 UNIT#10025-97  
CERTIFICATE EXPIRES: 10-01-98

SAMPLE

This is to certify that we have issued a valid Workers' Compensation Insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance 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.

*Tom Hansen*  
AUTHORIZED REPRESENTATIVE

*K. Bollier*  
PRESIDENT

EMPLOYER'S LIABILITY LIMIT: \$1,000,000 PER OCCURRENCE.

EMPLOYER

DECON ENVIRONMENTAL SERVICES, INC.  
23490 CONNECTICUT ST.  
HAYWARD, CA 94545

THIS DOCUMENT HAS A BLUE PATTERNEED BACKGROUND

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 ENVIRONMENTAL HEALTH SERVICES  
 1131 HARBOR BAY PARKWAY, RM 250  
 ALAMEDA, CA 94502-6577  
 PHONE # 510/567-6700

SUSAN L. HUGO

**ACCEPTED**

Underground Storage Tank Closure Permit Application  
 Alameda County Division of Hazardous Materials  
 1131 Harbor Bay Parkway, Suite 250  
 Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proponent must now release the issuance of any required building permits for construction of the tank.

One copy of the approved plans must be on the job and available to all inspectors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this office and to the Fire and Building Inspections Department. Any increasing of such changes must meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

- Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

\*THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

Contact Specialist:

*Susan L. Hugo 5/7/98*  
*Please note change made in project 5, 6 & HESP pages 3 & 10.*  
*Notify BAAQM & Fire Dept of schedule for UST removal. Original forms H&B must be submitted*

\* site wide HESP

**UNDERGROUND TANK CLOSURE PLAN**

\* \* \* Complete plan according to attached instructions \* \* \*

1. Name of Business CBS Corporation  
 Business Owner or Contact Person (PRINT) Mr. Gordon Taylor

2. Site Address 5815 Peladeau Street  
 City Emeryville Zip 94608 Phone --

3. Mailing Address 5815 Peladeau Street  
 City Emeryville Zip 94608 Phone --

4. Property Owner CBS Corporation  
 Business Name (if applicable) \_\_\_\_\_  
 Address Gateway Center, 11 Stanwix Street  
 City, State Pittsburgh, PA Zip 15222

5. Generator name under which tank will be manifested  
CBS Corporation

EPA ID# under which tank will be manifested C A T08001132

6. Contractor DECON Environmental Services, Inc.

Address 23490 Connecticut Street

City Hayward Phone (510) 732-6444

License Type A, Haz ID# 545726 Apr. 11/30/98

7. Consultant (if applicable) SOMA Environmental Engineering, Inc.

Address 2680 Bishop Drive, Suite 203

City, State San Ramon, CA Phone (925) 244-6600

8. Main Contact Person for Investigation (if applicable)

Name Gordon Taylor Title Principal Engineer

Company CBS Corporation

Phone (412) 642-5851

9. Number of underground tanks being closed with this plan 2

Length of piping being removed under this plan 100 Lf

Total number of underground tanks at this facility (\*\*confirmed with owner or operator) One 3,000 Gal. unleaded gasoline tank (registered) was removed from the northeast corner of site in 1988.

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground storage tanks must be handled as hazardous waste \*\***

a) Product/Residual Sludge/Rinsate Transporter

Name Philip Environmental EPA I.D. No. CAD063547996

Hauler License No. 0381 License Exp. Date 4/30/99

Address P.O.Box 150

City San Martin State CA Zip 95046

b) Product/Residual Sludge/Rinsate Disposal Site

Name Seaport Environmental EPA ID# CAL 000032058

Address 675 Seaport Blvd.

City Port of Redwood City State CA Zip 94063

c) Tank and Piping Transporter

Name DECON Environmental EPA I.D. No. CAD982468183

Hauler License No. 2592 License Exp. Date 01/31/99

Address 23490 Connecticut Street

City Hayward State CA Zip 94545

d) Tank and Piping Disposal Site

Name Ecology Control Industries EPA I.D. No. CAD982030173

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

11. Sample Collector

Name Peng Leong

Company SOMA Corporation

Address 1260 B 45th St.

City Emeryville State CA Zip 94608 Phone (510) 654-3900

12. Laboratory

Name Chromalab

Address 1220 Quarty Lane

City Pleasanton State CA Zip 94566-4756

State Certification No. 1094

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:

For each 100 gal. capacity of tank, 3lb of dry ice will be placed  
inside the tank. Although we do not expect any vapor inside the tanks  
we will check to see if LEL is met. This way we will make sure that  
tanks are inert.



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) \*\*\*

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
Two 18,000 Gallon USTs	Unknown, possibly for mineral Oil storage for transformer manufacturing use	Tank Content Soil and Groundwater	5 soil/gw grab sample. one sample from each end of tank and one from center.  From each 20 ft. linear length of pipe one repres. sample will be collected.

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.

*all pipings associated w/ USTs must be removed.*

Excavated/Stockpiled Soil

Stockpiled Soil Volume  
(estimated)

NA

Sampling Plan

NA

*Note: If stockpiled soil will be generated during USTs removal, soil must be characterized for proper disposal. Removal of soil at site must have approval by this agency.*

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 Tanks are located inside a concrete sump.

[ No excess soils will be removed during tank removal process. ]

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.

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	8015M/LUFT	3510/ 3550/LUFT	50ug/L water
Diesel	8015M/LUFT	3510/ 3550/LUFT	1mg/Kg soil
Motor Oil	8015M/LUFT	3510/ 3550/LUFT	100ug/L water
Motor Oil	8015M/LUFT	3510/ 3550/LUFT	2.5mg/Kg soil
<p><i>TPH gas</i>  <i>PCB in soil/groundwater samples</i>  <i>Chlorinated solvents in soil/groundwater samples</i>  <i>VOC's including BTEX in soil/groundwater samples</i></p>			

18. Submit Worker's Compensation Certificate copy

Name of Insurer American International Specialty Lines

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)

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 DECON Environmental Services, Inc.

Name of Individual Christopher D. Kwoka

Signature Lilia Corona for Chris Kwoka Date 5/5/98

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business CBS Corporation

Name of Individual Gordon Taylor

Signature \_\_\_\_\_ Date \_\_\_\_\_

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.

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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 DECON Environmental  
Name of Individual Chris Kwaka  
Signature \_\_\_\_\_ Date 5/5/98

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business CBS corporation  
Name of Individual Gordon Taylor  
Signature Gordon Taylor Date 5-7-98

**ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION**

**DECLARATION OF SITE ACCOUNT REFUND RECIPIENT**

*There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.*

**SITE INFORMATION:**

Site ID Number  
(if known)

Former Westinghouse Facility

Name of Site

5815 Peladeau Street

Street Address

Emeryville, CA 94608

City, State & Zip Code

I designate the following person or business to receive any refund due at the completion of all deposit/refund projects:

SOMA Environmental Engineering, Inc.

Name

2680 Bishop Drive, Suite 203

Street Address

San Ramon, CA 94583

City, State & Zip Code

  
Signature of Payor

5/7/98  
Date

Mansour Sepehr

Name of Payor

(PLEASE PRINT CLEARLY)

SOMA Environmental Engineering

Company Name of Payor

**RETURN FORM TO:**

*County of Alameda, Environmental Protection  
1131 Harbor Bay Parkway, Rm 250  
Alameda CA 94502-6577  
Phone#(510) 567-6700*

## **ADDENDUM**

### **HEALTH AND SAFETY PLAN FOR THE FORMER WESTINGHOUSE ELECTRIC CORPORATION FACILITY UNDERGROUND STORAGE TANK REMOVAL ACTIVITIES**

#### **A1.0 Introduction**

The site-wide Health and Safety Plan (HSP) was prepared to address all known aspects of construction-related activities associated with the development of the former Westinghouse Electric Corporation Facility located in Emeryville, California (Emeryville Facility). However, during the week of April 27, 1998, two 18,000-gallon underground storage tanks (USTs) were discovered during construction activities. The following addendum to the site-wide HSP addresses tank removal, soil and groundwater sampling and construction activities in the UST area.

#### **A2.0 UST-Specific Activities**

The following section describes all-aspects of the construction-related activities for the UST area, including 1) characterization of tank contents; 2) UST removal; 3) characterization of soil beneath the tanks; and 4) hazards associated with the UST area.

#### **A2.1 Characterization of the UST Contents**

Upon discovery of the two USTs at the Emeryville Facility, one grab sample was collected from each UST and sent to an off-site laboratory for chemical analysis. Based on the history of the site, both UST samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as

diesel (TPH-d), total petroleum hydrocarbons as motor oil (TPH-mo) and polychlorinated biphenyls (PCBs). The analytical results are summarized for UST-1 and UST-2 in Tables A-1 and A-2, respectively.

**Table A-1**  
**Analytical Results for the Contents of UST-1**

POTENTIAL CONTAMINANT	ANALYTICAL METHOD	CONCENTRATION (µg/L or ppb)	REPORTING LIMIT (µg/L or ppb)
Gasoline (TPH-g)	EPA 8015-Mod	N.D.	50
Diesel (TPH-d)	EPA 8015-Mod	7000	50
Motor Oil (TPH-mo)	EPA 8015-Mod	970	500

**Table A-2**  
**Analytical Results for the Contents of UST-2**

POTENTIAL CONTAMINANT	ANALYTICAL METHOD	CONCENTRATION (µg/L or ppb)	REPORTING LIMIT (µg/L or ppb)
Gasoline (TPH-g)	EPA 8015-Mod	N.D.	50
Diesel (TPH-d)	EPA 8015-Mod	5300	50
Motor Oil (TPH-mo)	EPA 8015-Mod	1300	500
PCBs	SW846 8080A		
AROCLOR 1016		N.D.	0.50
AROCLOR 1221		N.D.	0.50
AROCLOR 1232		N.D.	0.50
AROCLOR 1242		N.D.	0.50
AROCLOR 1248		N.D.	0.50
AROCLOR 1254		N.D.	0.50
AROCLOR 1260		N.D.	0.50



## A2.2 UST Removal

DECON Environmental Services, a qualified, OSHA 40-Hour Hazardous Waste Operations and Emergency Response Certified contractor will be used to dispose of the tank contents and tanks. The liquid inside the tanks will be emptied and disposed off-site according to all applicable local, state and federal regulations. Likewise, the tanks and all supporting piping and concrete will be removed by the UST contractor and disposed off-site according to all applicable local, state and federal regulations.

## A2.3 Characterization of Soil and Groundwater at the Former UST Locations

Since the integrity of the USTs is unknown, the USTs could have leaked their contents into the surrounding soil over a number of years. In order to protect construction workers and minimize their potential exposure to hydrocarbon-related soil and groundwater contaminants, both the soil and groundwater beneath the USTs will be characterized. Figure 1 shows the location of USTs.

It is recommended that a minimum of five soil samples and one grab groundwater sample be collected beneath the USTs. Based on the tank content analyses (Tables A-1 and A-2), the soil and groundwater samples will be analyzed for the following constituents:

- Total petroleum hydrocarbons as diesel (EPA Method 8015-modified)
- Total petroleum hydrocarbons as motor oil (EPA Method 8015-modified)
- Benzene, ethylbenzene, toluene and xylenes (BTEX) (EPA Method 8020)

*\* see page 6 of  
UST closure  
for  
additional  
analyses.*

A laboratory turnaround time of 24-hours will be used and the results of the UST characterization will be evaluated by SOMA to determine 1) if additional

characterization is required; 2) if soil excavation and off-site disposal is warranted; and 3) the level of protected equipment and training required for construction workers in the area of the former USTs.

#### **A2.4 Worker Health and Safety for the UST area**

The USTs were reported to contain total petroleum hydrocarbons as diesel and motor oil. However, the laboratory analytical reports further qualified these results by stating:

*Hydrocarbon reported is in the late Diesel Range and does not match our Diesel Standard. Hydrocarbon reported as Motor Oil does not match the pattern of our Motor Oil Standard.*

This suggests that the material present in the USTs is of an oil nature and at the higher hydrocarbon range (i.e., greater than C<sub>12</sub>). Historical information provided by Westinghouse Corporation (Personal communication, Mr. Gordon Taylor) indicates that the USTs were used to store mineral oil that was used as a transformer oil or dielectric fluid. Mineral oil is primarily comprised of long chain hydrocarbons that are typically less toxic than other lighter constituents in other petroleum products. As discussed previously, the soil and groundwater from beneath the USTs will be characterized in order to minimize potential exposures through inhalation, ingestion and dermal contact and ensure that workers are adequately protected during construction activities at the former UST locations.

SOMA industrial hygienist Philip Bumala, CIH, will act as the Site Safety Officer (SSO) and will conduct air monitoring during excavation activities at the UST area. The SSO will conduct a pre-construction health and safety meeting prior to commencing excavation operations, and will work with on-site staff to implement exposure prevention measures.

If air monitoring indicates that Level-C or higher personal protective equipment (PPE) is necessary, construction/excavation activities will be suspended until OSHA 40-hour trained workers can be obtained to continue site activities. This will occur only if engineering controls cannot be feasibly or adequately implemented to reduce air concentrations of petroleum hydrocarbons and potential BTEX below the levels specified in Table A-3.

**Table A-3**  
**Recommended Air Concentrations of Soil Contaminants**

<b>SOIL CONTAMINANT OF CONCERN</b>	<b>OSHA PERMISSIBLE EXPOSURE LIMIT (TWA) (mg/m<sup>3</sup>)</b>	<b>ACGIH TLV FOR OCCUPATIONAL EXPOSURE (mg/m<sup>3</sup>)</b>	<b>NIOSH RECOMMENDED OCCUPATIONAL EXPOSURE LIMIT (mg/m<sup>3</sup>)</b>
Petroleum Distillate	1,647 (400 ppm)		350 (85 ppm) 1,800 (15 min. ceiling)
Kerosene (light diesel)	None		100
Oil Mist	5		5
Benzene	3.2 (1 ppm)	32 (10 ppm)	0.3 (0.1 ppm)
Ethylbenzene	435 (100 ppm)	435 (100 ppm)	435 (100 ppm)
Toluene	375 (100 ppm)	375 (100 ppm)	375 (100 ppm)
Xylenes	434 (100 ppm)	434 (100 ppm)	434 (100 ppm)

### **A2.5 Site Work Recommendations**

Workers should be informed prior to UST area work of the potential hazards associated with exposure to site-related contaminants, especially petroleum hydrocarbons and VOCs in soil and groundwater. Continuous air monitoring will establish the level of actual worker exposure to these compounds during construction/excavation activities. If air monitoring indicates that more stringent PPE is required, all construction/excavation operations will stop until OSHA 40-hour trained workers are available to continue construction activities. This will

only occur if engineering controls can not be feasibly or adequately implemented to the levels presented in Table A-3. Additional recommendations will be made onsite, as necessary by the SSO.

### **A3.0 Site Safety Authority**

See Section 3.0 of the Site Health and Safety Plan.

### **A4.0 Job Hazard Analysis**

The following summarizes the potential hazards associated with construction/excavation activities at the UST area of the Emeryville Facility.

#### **A4.1 Chemical Hazards**

The following presents a discussion of the potential hazards associated with the mineral oils that were reported to have been stored in the USTs.

##### **Mineral Oil**

Mineral oils are highly refined in order to remove any harmful substances. They are typically divided into two primary categories: 1) technical grades, which are used as lubricants and rust preventatives (e.g., for food machinery, among other uses); and, 2) USP grades, which can be used in applications such as food processing, dust control for cereal grains and in plastics production. Mineral oils are also widely used in pharmaceuticals, such as baby oil. Consequently, these oils have a wide range of applications designed for human exposure. The technical grade of mineral oil that was used for transformer fluid has gone through numerous toxicity tests to ensure protection of human health. Therefore, any potential exposure to mineral oil residues in soil during construction/excavation activities would not be expected to cause adverse health effects.

As discussed previously, the tank contents were reported to contain petroleum hydrocarbons consistent with portions of the TPH-d and TPH-mo ranges. In order to ensure adequate protection of workers in the UST areas, the following presents a discussion of the potential hazards associated with petroleum

hydrocarbons and the most toxic constituents that are routinely found with these petroleum compounds, specifically, TPH-d and BTEX.

#### **Total Petroleum Hydrocarbons - as Diesel**

Fuel oils are petroleum products that are used in many types of engines, lamps, heaters, furnaces, stoves, and as solvents. Fuel oils come from crude oil and are refined to meet specifications for each use. Fuel oils are mixtures of aliphatic (straight- and branched-chain hydrocarbons) and aromatic (benzene and compounds similar to benzene) petroleum hydrocarbons. In addition, they may contain small amounts of nitrogen, sulfur, and other elements as additives. The most likely way for a worker to be exposed to fuel oils is through contact with the skin or in the air. Some workers may be exposed to fuel oils through their skin if they come into contact with them without adequate protection, such as gloves, boots, coveralls, or other protective clothing.

Direct contact with skin can result in irritation and dermatitis. Inhalation of fuel oils can result in headache, light-headedness, anorexia (loss of appetite), poor coordination, and difficulty in concentration. Long term exposure of laboratory animals to fuel oils can cause skin cancer in mice and may cause liver cancer in mice. However, there is no evidence that the diesel range hydrocarbons cause cancer in man. Potential exposures during construction/excavation activities at the UST area of the Emeryville Facility would be of short duration and would not be expected to result in any adverse health effects.

#### **Benzene**

Benzene is a natural constituent of crude oil, and following petroleum refining, is a volatile component of lighter petroleum products such as gasoline. During construction activities, potential exposure to benzene would be primarily through inhalation and dermal contact with soil. Long-term exposure to relatively high levels of benzene in the air can cause cancer of the blood-forming organs, also known as leukemia. Long-term exposure to benzene has also been linked with damage to chromosomes which are the parts of cells that are responsible for the development of hereditary characteristics. Short term exposures to benzene in the air, as would occur during construction/excavation activities, can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. In most cases, people will stop feeling these effects when they stop being exposed and begin to breathe fresh air. In humans, benzene is a skin irritant. By defatting the keratin layer, it may cause erythema, vesiculation, and dry and scaly dermatitis. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

### Ethylbenzene

Ethylbenzene occurs naturally in coal tar and petroleum. It is also found in many man-made products, including paints, inks, and insecticides. During construction activities, potential exposure to ethylbenzene would be primarily through inhalation and dermal contact with soil. Exposure to low levels of ethylbenzene in the air for short periods of time may produce eye and throat irritation. Exposure to higher levels in air may result in more severe effects such as decreased movement and dizziness. In most cases, people will stop feeling these effects when they stop being exposed and begin to breathe fresh air. No significant health effects have been documented following dermal exposure to ethylbenzene. Studies in workers and in animals exposed to ethylbenzene indicate that ethylbenzene does not cause cancer. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

### Toluene

Toluene occurs naturally in crude oil. It is produced in the process of making gasoline and other fuels from crude oil, in making coke from coal, and as a by-product in the manufacture of styrene. Toluene is used in making paints, paint thinners, fingernail polish, lacquers, adhesives, and rubber and in some printing and leather tanning processes. During construction activities, potential exposure to toluene would be through inhalation and dermal contact with soil. Exposure to toluene in the can cause tiredness, confusion, weakness, drunken-type actions, memory loss, nausea, and loss of appetite. These symptoms usually disappear when exposure is stopped. In humans, dermal contact with toluene may cause skin irritation because it removes skin oils (defatting). Studies in workers and in animals exposed to toluene indicate that toluene does not cause cancer. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

### Xylenes

Toluene occurs naturally in crude oil. It is produced in the process of making gasoline and other fuels from crude oil. Along with other solvents, xylene is also used as a cleaning agent, a thinner for paint, and in varnishes. It is found in small amounts in fuels and petroleum products. Xylene is used as a material in the chemical, plastics, and synthetic fiber industries and as an ingredient in the coating of fabrics and papers. During construction activities, potential exposure to toluene would be through inhalation and dermal contact with soil. Short-term exposure of people to high levels of xylene can cause irritation of the skin, eyes, nose, and throat; difficulty in breathing; impaired

function of the lungs; delayed response to a visual stimulus; impaired memory; stomach discomfort; and possible changes in the liver and kidneys. Both short- and long-term exposure to high concentrations of xylene can also cause a number of effects on the nervous system, such as headaches, lack of muscle coordination, dizziness, confusion, and changes in one's sense of balance. These symptoms usually disappear when exposure is stopped. Studies in workers and in animals exposed to xylenes indicate that xylenes do not cause cancer. Based on the short duration of exposure, no adverse health effects would be expected during construction/excavation activities.

#### **A4.2 Physical Hazards**

See Section 4.2 of the Site Health and Safety Plan.

#### **A5.0 Hazard Prevention Procedures**

See Section 5.0 of the Site Health and Safety Plan.

#### **A6.0 Personal Protective Equipment**

For construction/excavation activities associated with the UST area, there are no indications of significant exposure to mineral oils, VOCs or petroleum hydrocarbons, based on preliminary results from sampling the contents of the tanks. Therefore, it is anticipated that Level-D protection will be adequate, at this time. Following characterization of the soil and groundwater beneath the USTs, additional worker protection may be required. The various levels of personal protection are summarized in detail in Section 6.0 of the Site Health and Safety Plan.

#### **A7.0 Work Zones and Site Security**

See Section 7.0 of the Site Health and Safety Plan.

#### **A8.0 Decontamination Procedures**

See Section 8.0 of the Site Health and Safety Plan.

**A9.0 Training Requirements**

See Section 9.0 of the Site Health and Safety Plan.

**A10.0 Emergency Response and Contingency Plan**

See Section 10.0 of the Site Health and Safety Plan.

*Designated Health & Safety Officer*

*William J. Brown for Phil Bunda*



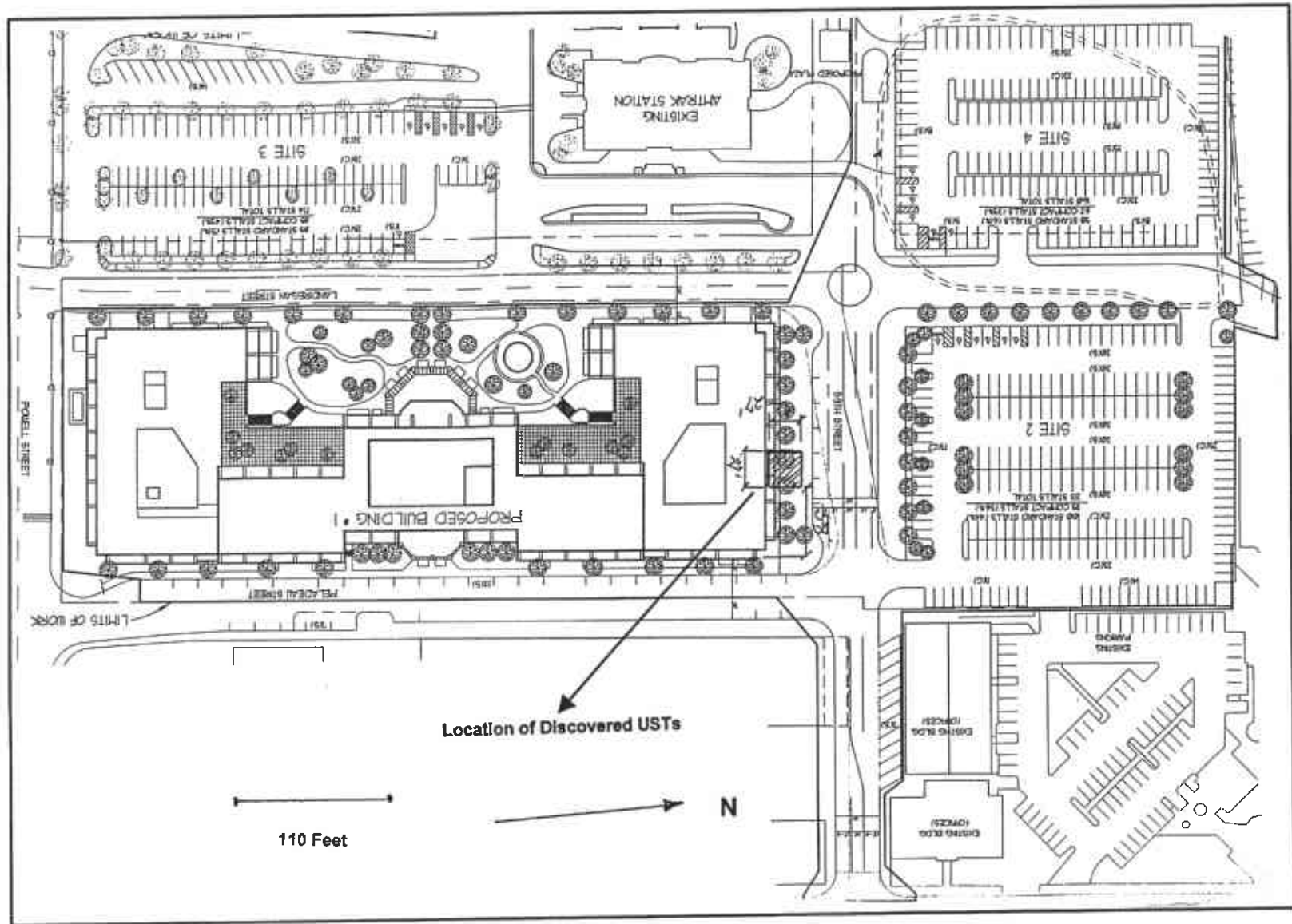


Figure 1: Location of Underground Storage Tanks

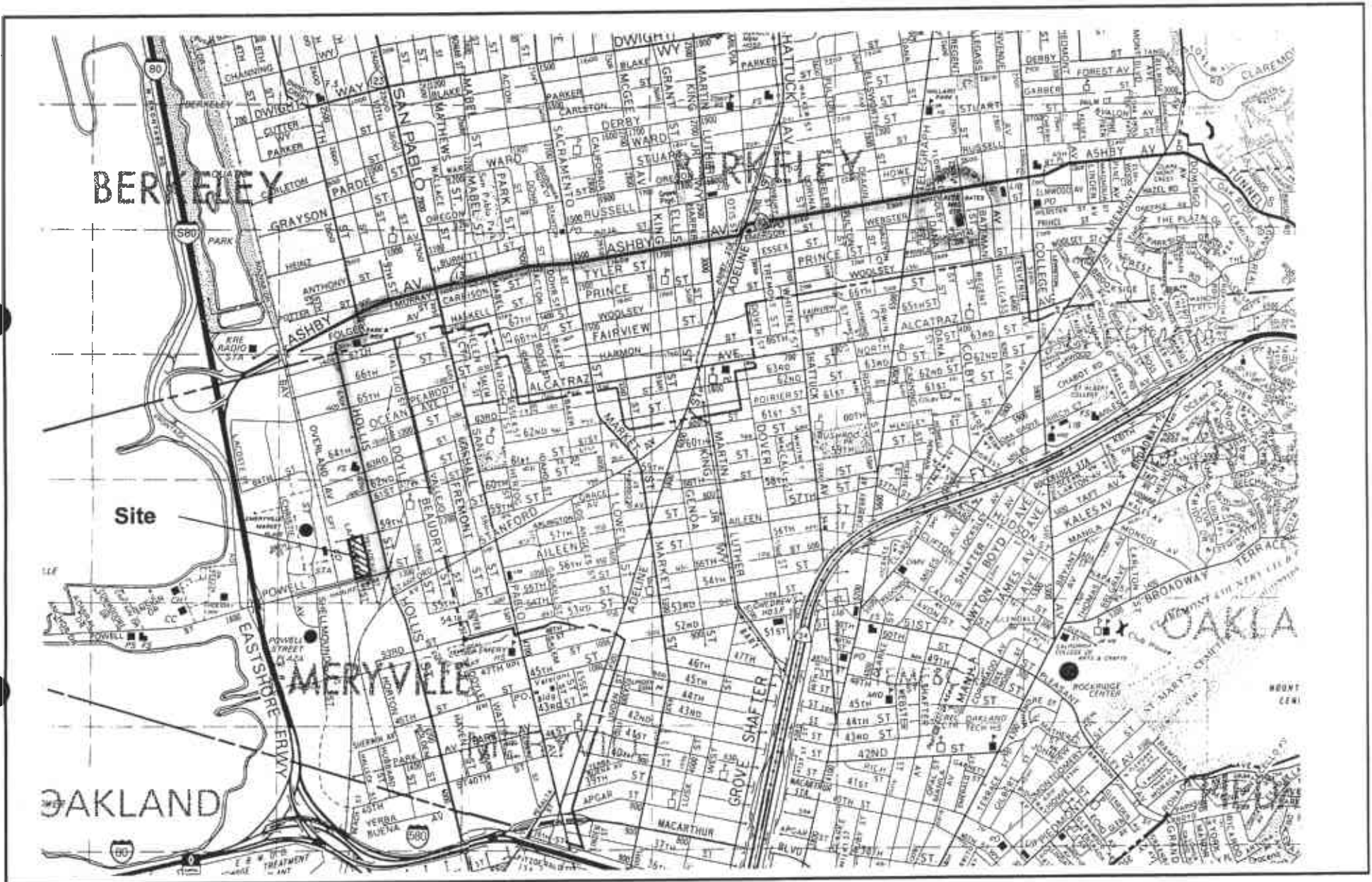


Figure 2: Route to Nearest Hospital

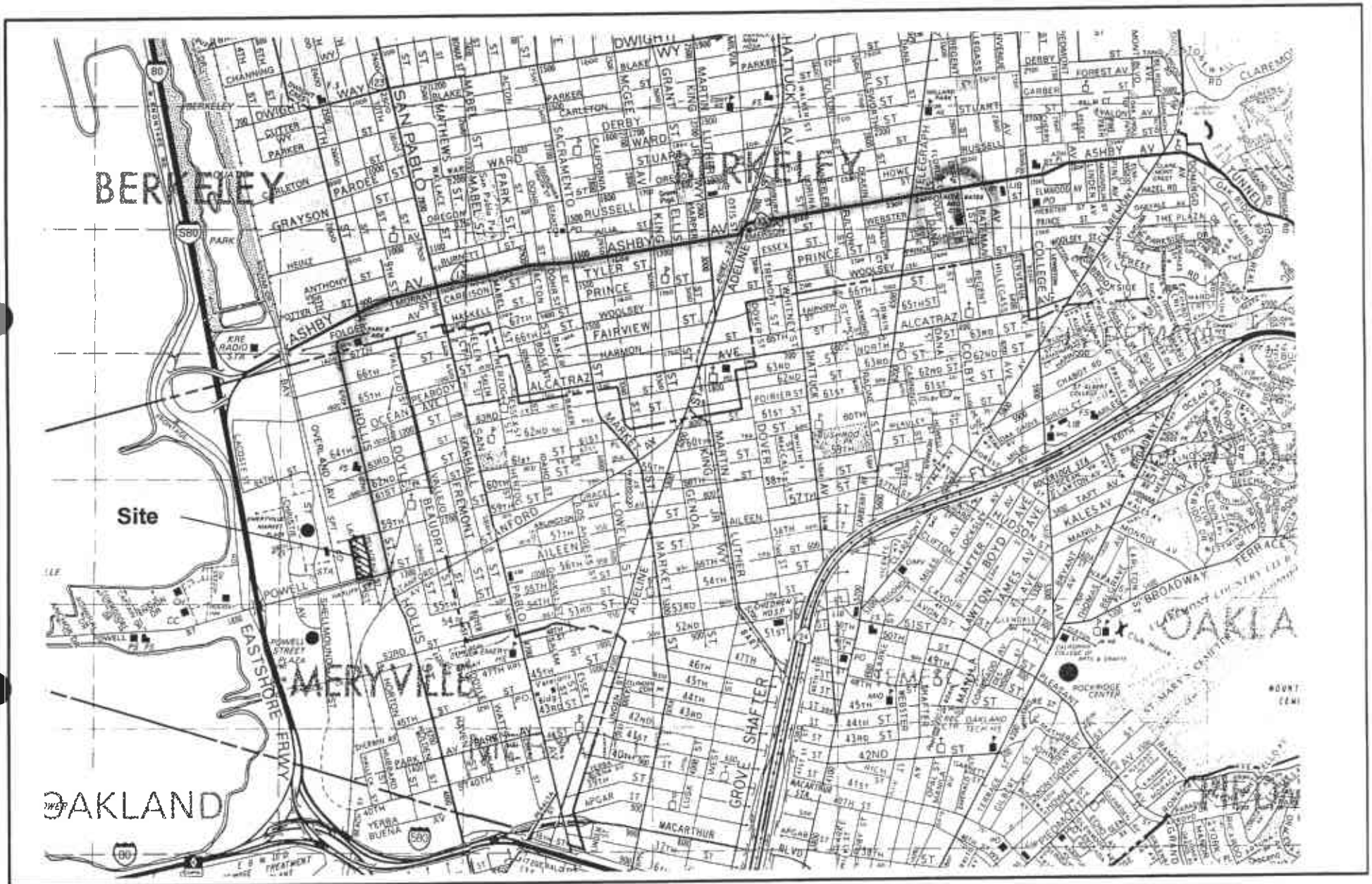


Figure 2: Route to Nearest Hospital

STATE OF CALIFORNIA  
 STATE WATER RESOURCES CONTROL BOARD  
**UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A**  
 COMPLETE THIS FORM FOR EACH FACILITY/SITE



MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

**I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)**

DBA OR FACILITY NAME <b>Former Westinghouse Facility</b>		NAME OF OPERATOR			
ADDRESS <b>5815 Peladeau Street</b>		NEAREST CROSS STREET <b>Powell St.</b>	PARCEL # (OPTIONAL)		
CITY NAME <b>Emeryville</b>		STATE <b>CA</b>	ZIP CODE <b>94608</b>	SITE PHONE # WITH AREA CODE	
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS <input type="checkbox"/> COUNTY-AGENCY* <input type="checkbox"/> STATE-AGENCY* <input type="checkbox"/> FEDERAL-AGENCY* <small>* If owner of UST is a public agency, complete the following: name of supervisor or division, section or office which operates the UST.</small>					
TYPE OF BUSINESS <input type="checkbox"/> 1 GAS STATION <input type="checkbox"/> 2 DISTRIBUTOR <input type="checkbox"/> 3 FARM <input type="checkbox"/> 4 PROCESSOR <input type="checkbox"/> 5 OTHER		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)	

**EMERGENCY CONTACT PERSON (PRIMARY)**

**EMERGENCY CONTACT PERSON (SECONDARY) - optional**

DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	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)**

NAME <b>CBS Corporation</b>		CARE OF ADDRESS INFORMATION <b>Gordon Taylor</b>		
MAILING OR STREET ADDRESS <b>Gateway Center</b>		<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <b>Pittsburgh</b>		STATE <b>PA</b>	ZIP CODE <b>15222</b>	PHONE # WITH AREA CODE

**III. TANK OWNER INFORMATION - (MUST BE COMPLETED)**

NAME OF OWNER <b>CBS Corporation</b>		CARE OF ADDRESS INFORMATION <b>Gordon Taylor</b>		
MAILING OR STREET ADDRESS <b>Gateway Center</b>		<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME <b>Pittsburgh</b>		STATE <b>PA</b>	ZIP CODE <b>15222</b>	PHONE # WITH AREA CODE

**IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.**

TY(TK) HQ **44**-

**V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED**

<input checked="" type="checkbox"/> BOX TO INDICATE	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 7 STATE FUND
	<input type="checkbox"/> 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER	<input type="checkbox"/> 9 STATE FUND & CERTIFICATE OF DEPOSIT	<input type="checkbox"/> 10 LOCAL GOVT. MECHANISM	<input type="checkbox"/> 11 OTHER			

**VI. LEGAL NOTIFICATION AND BILLING ADDRESS** Legal notification 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 NOTIFICATIONS AND BILLING: I.  II.  III.

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) <i>Gordon Taylor</i>	TANK OWNER'S TITLE <i>Principal Engineer</i>	DATE <b>5-7-98</b>
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**LOCAL AGENCY USE ONLY**

COUNTY # <input type="text"/>	JURISDICTION # <input type="text"/>	FACILITY # <input type="text"/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPERVISOR - DISTRICT CODE - OPTIONAL

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 (4-95)





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 ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

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

A. OWNER'S TANK I.D.#	B. MANUFACTURED BY:
C. DATE INSTALLED (MO/DAY/YEAR)	D. TANK CAPACITY IN GALLONS:

**II. TANK CONTENTS** IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	B. <input type="checkbox"/> 1 PRODUCT	C. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 80 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 95 UNKNOWN		<input type="checkbox"/> 1c MIDGRADE UNLEADED	<input type="checkbox"/> 5 JET FUEL	<input type="checkbox"/> 8 M85
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 SYSTEM	<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input type="checkbox"/> 5 INTERNAL BLADDER SYSTEM	<input type="checkbox"/> 95 UNKNOWN
	<input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 99 OTHER	
B. TANK MATERIAL (Primary Tank)	<input checked="" type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS	<input type="checkbox"/> 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM	<input type="checkbox"/> 8 100% METHANOL COMPATIBLE WFRP
	<input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 96 UNKNOWN	<input type="checkbox"/> 98 OTHER
C. INTERIOR LINING OR COATING	<input type="checkbox"/> 1 RUBBER LINED	<input type="checkbox"/> 2 ALKYL LINING	<input type="checkbox"/> 3 EPOXY LINING	<input type="checkbox"/> 4 PHENOLIC LINING
	<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___				
D. EXTERIOR CORROSION PROTECTION	<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP	<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC
	<input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 61 NONE	<input type="checkbox"/> 65 UNKNOWN	<input type="checkbox"/> 99 OTHER
E. SPILL AND OVERFILL, etc.	SPILL CONTAINMENT INSTALLED (YEAR) _____		OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____	
	DROPP TUBE 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 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 2 DOUBLE WALL	A U 3 UNED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE WFRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 96 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	<input type="checkbox"/> 1 MECHANICAL LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 4 ELECTRONIC LINE LEAK DETECTOR	<input type="checkbox"/> 5 AUTOMATIC PUMP SHUTDOWN
	<input type="checkbox"/> 99 OTHER				

**V. TANK LEAK DETECTION**

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 WADGE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 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	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
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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) <i>Andre J. Taylor</i>	DATE 5-7-98
---	----------------

**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

FORM B (6-95)

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



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

<b>MARK ONLY ONE ITEM</b>	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input type="checkbox"/> 8 TANK REMOVED

**DBA OR FACILITY NAME WHERE TANK IS INSTALLED:** \_\_\_\_\_

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

A. OWNER'S TANK I. D. # _____	B. MANUFACTURED BY: _____
C. DATE INSTALLED (MO/DAY/YEAR) _____	D. TANK CAPACITY IN GALLONS: _____

**II. TANK CONTENTS** IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE
C. <input type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 3 DIESEL <input type="checkbox"/> 6 AVIATION GAS <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 7 METHANOL <input type="checkbox"/> 1c MIDGRADE UNLEADED <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 8 M85 <input type="checkbox"/> 2 LEADED <input type="checkbox"/> 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 SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SINGLE WALL IN A VAULT	<input type="checkbox"/> 5 INTERNAL BLADDER SYSTEM <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
C. INTERIOR LINING OR COATING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 99 OTHER _____
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. EXTERIOR CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 99 OTHER _____
E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____ 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 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 2 DOUBLE WALL	A U 3 LINED TRENCH	A U 95 UNKNOWN	A U 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A U 1 BARE STEEL	A U 2 STAINLESS STEEL	A U 3 POLYVINYL CHLORIDE (PVC)	A U 4 FIBERGLASS PIPE	
	A U 5 ALUMINUM	A U 6 CONCRETE	A U 7 STEEL W/ COATING	A U 8 100% METHANOL COMPATIBLE W/FRP	
	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A U 95 UNKNOWN	A U 99 OTHER	
D. LEAK DETECTION	<input type="checkbox"/> 1 MECHANICAL LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 4 ELECTRONIC LINE LEAK DETECTOR	<input type="checkbox"/> 5 AUTOMATIC PUMP SHUTDOWN
					<input type="checkbox"/> 99 OTHER _____

**V. TANK LEAK DETECTION**

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 MANUAL INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING	<input type="checkbox"/> 6 ANNUAL TANK TESTING
<input type="checkbox"/> 7 CONTINUOUS INTERSTITIAL MONITORING	<input type="checkbox"/> 8 SIR	<input type="checkbox"/> 9 WEEKLY MANUAL TANK GAUGING	<input type="checkbox"/> 10 MONTHLY TANK TESTING	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 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	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input type="checkbox"/>
---	--	--

*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 _____
---	------------

**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

STATE OF CALIFORNIA  
STATE WATER RESOURCES CONTROL BOARD  
**UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A**  
COMPLETE THIS FORM FOR EACH FACILITY/SITE



<b>MARK ONLY ONE ITEM</b>	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

**I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)**

DBA OR FACILITY NAME <b>Former Westinghouse Facility</b>		NAME OF OPERATOR		
ADDRESS <b>5815 Peladeau Street</b>		NEAREST CROSS STREET <b>Powell St.</b>	PARCEL # (OPTIONAL)	
CITY NAME <b>Emeryville</b>		STATE <b>CA</b>	ZIP CODE <b>94608</b>	SITE PHONE # WITH AREA CODE
<input checked="" type="checkbox"/> BOX TO INDICATE	<input type="checkbox"/> CORPORATION	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> LOCAL-AGENCY DISTRICTS
	<input type="checkbox"/> COUNTY-AGENCY*	<input type="checkbox"/> STATE-AGENCY*	<input type="checkbox"/> FEDERAL-AGENCY*	
* # owner of UST is a public agency, complete the following: name of supervisor of division, section or office which operates the UST				
TYPE OF BUSINESS		<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
<input type="checkbox"/> 1 GAS STATION	<input type="checkbox"/> 2 DISTRIBUTOR			
<input type="checkbox"/> 3 FARM	<input type="checkbox"/> 4 PROCESSOR	<input type="checkbox"/> 5 OTHER		

**EMERGENCY CONTACT PERSON (PRIMARY)**

**EMERGENCY CONTACT PERSON (SECONDARY) - optional**

DAYS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	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)**

NAME <b>CBS Corporation</b>		CARE OF ADDRESS INFORMATION <b>Gordon Taylor</b>		
MAILING OR STREET ADDRESS <b>Gateway Center</b>		<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> LOCAL-AGENCY
CITY NAME <b>Pittsburgh</b>		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> STATE-AGENCY
		<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY	
	STATE <b>PA</b>	ZIP CODE <b>15222</b>	PHONE # WITH AREA CODE	

**III. TANK OWNER INFORMATION - (MUST BE COMPLETED)**

NAME OF OWNER <b>CBS Corporation</b>		CARE OF ADDRESS INFORMATION <b>Gordon Taylor</b>		
MAILING OR STREET ADDRESS <b>Gateway Center</b>		<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> LOCAL-AGENCY
CITY NAME <b>Pittsburgh</b>		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> STATE-AGENCY
		<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY	
	STATE <b>PA</b>	ZIP CODE <b>15222</b>	PHONE # WITH AREA CODE	

**IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.**

TY (TK) HQ **44-**

**V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED**

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 7 STATE FUND
	<input type="checkbox"/> 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER	<input type="checkbox"/> 9 STATE FUND & CERTIFICATE OF DEPOSIT	<input type="checkbox"/> 10 LOCAL GOVT. MECHANISM	<input type="checkbox"/> 99 OTHER			

**VI. LEGAL NOTIFICATION AND BILLING ADDRESS**

Legal notification 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 NOTIFICATIONS AND BILLING:      I.       II.       III.

*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 OWNER'S TITLE	DATE	MONTH/DAY/YEAR
---	--------------------	------	----------------

**LOCAL AGENCY USE ONLY**

COUNTY # <input type="text"/> <input type="text"/>	JURISDICTION # <input type="text"/> <input type="text"/> <input type="text"/>	FACILITY # <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

**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**

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
DEPOSIT / REFUND ACCOUNT SHEET

printed 05/07/98

SITE INFORMATION

C B S Corporation  
5815 Peladeau St  
Emeryville 94608  
Site Contact: Mr Gordon Taylor  
Site Phone :

StID: 5359 Site#: 71  
PROJECT#: 71B  
PROJECT TYPE: \*\*\* R \*\*\*  
INSP: Susan Hugo  
ACCT. SHEET PG #: \_\_\_\_\_

PROPERTY OWNER INFORMATION

Owner Contact:  
Owner Phone :

Soma  
2680  
San F  
Payor  
Payor

8/6/98  
Jo Leslie,  
Please close  
deposit/refund account  
Thanks.  
Susan

Date	Action Taken	Time					
		In	Out				
	Rcpt# 805770						
05/07/98	Deposit of \$936.00 @ \$94/hour						936.00
05/07/98	Admin. Charge: 1 hour	1.00	8.95	94.00			\$842.00
5/7/98	Meeting with Soma re: removal	1.00	7.95				
5/9/98	Review & approval of permit	1.15	6.45				
5/18/98	On site visit - observe location of USTs	1.50	4.95				
5/11/98	On site for UST removals	4.00	0.95				
5/11/98	Reviewed closure plan	1.0	-0.05				
5/13/98	Tank removal	4.0	-4.05				
5/12/98	Add-on Rcpt# 805783		3.18	+7.27			
5/14/98	On site visit - 3rd tank found	1.5	1.68				
5/12/98	Reviewed & approved closure	1.5	0.18				
8/6/98	Reviewed & closed account	0.2					

CLOSED UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Susan F. Hugo

ATTACH: State Forms A, B & C  
Billing Adjustment\*

DATE OF COMPLETION : 8/6/98

DATE SENT TO BILLING: \_\_\_\_\_

TOTAL COST OF PROJECT: \_\_\_\_\_

REFUND AMOUNT: \_\_\_\_\_ Rev. 7/96

\* Billing adjustment forms needed when site is in our UST program.



ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
DEPOSIT / REFUND ACCOUNT SHEET

printed 05/07/98

SITE INFORMATION

C B S Corporation  
5815 Peladeau St  
Emeryville 94608  
Site Contact: Mr Gordon Taylor  
Site Phone :

StID: 5359 Site#: 71  
PROJECT#: 71B  
PROJECT TYPE: \*\*\* R \*\*\*  
INSP: Susan Hugo  
ACCT. SHEET PG #: \_\_\_\_\_

PROPERTY OWNER INFORMATION

Owner Contact:  
Owner Phone :

PAYOR INFORMATION

Soma Enviornmental Eng'g  
2680 Bishop Dr #203  
San Ramon CA 94583 #1100  
Payor Contact:  
Payor Phone : 244-6600

Date	Action Taken	Time		Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
		In	Out				
05/07/98	Rcpt# 805770 Deposit of \$936.00 @ \$94/hour			+9.95	+9.95	\$936.00	\$936.00
05/07/98	Admin. Charge: 1 hour			1.00	8.95	94.00	\$842.00
5/7/98	Meeting with Soma re: removal			1.00	7.95		
5/9/98	Review & approval of permit			1.5	6.45		
5/8/98	On site visit - observe location of UST's			1.50	4.95		
5/11/98	On site for UST removals			7.00	0.95		
5/11/98	Reviewed closure plan			1.0	-0.05		
5/13/98	Tank removal			4.0	-4.05		
5/12/98	Add-on Rcpt# 805783				3.18	+7.23	
5/14/98	On site visit - 3rd tank found			1.5	1.68		
5/12/98	Reviewed & approved closure			1.5	0.18		
8/6/98	Reviewed & closed account			0.2			

CLOSED UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : Susan F. Hugo

ATTACH:  State Forms A, B & C  
 Billing Adjustment\*

DATE OF COMPLETION : 8/6/98

DATE SENT TO BILLING: \_\_\_\_\_

TOTAL COST OF PROJECT: \_\_\_\_\_

REFUND AMOUNT: \_\_\_\_\_ Rev. 7/96

\* Billing adjustment forms needed when site is in our UST program.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION**

2101 WEBSTER STREET, Suite 500  
OAKLAND, CA 94612  
Tel: (510) 286-1255  
FAX: (510) 286-1380



May 9, 1996  
File No.: 2199.9203 (SA)  
SMS Case File

Mr. Gordon Taylor  
Westinghouse Electric Corporation  
11 Stanwix Street  
Pittsburgh, Pennsylvania 15222-1384

Subject: Former Westinghouse Electric Corporation Facility, 5899 Peladeau Street, Emeryville, Alameda County.

Dear Mr. Taylor:

My staff have reviewed the report *Baseline Health Risk Assessment*, dated March 15, 1996, and groundwater sampling results that accompanied your letter, dated May 1, 1996, regarding the subject site. The risk assessment evaluated the potential human health risks associated with the soil and groundwater pollution at the site, outside the slurry wall/cap area, and estimated the migration potential of pollutants in groundwater. Based on the risk evaluation, the report provided soil cleanup goals for polychlorobiphenyls (PCBs) under residential, industrial and utility worker use scenarios. The groundwater sampling results document the installation and sampling of one groundwater monitoring well to verify a former elevated hydropunch sampling data point.

The risk assessment concludes that more than 99% of the human health risks are attributable to PCBs in soil, and removal action/remediation is required for the PCBs in soil. The quantitative modeling in the risk assessment indicates that off-site migration of chemicals detected in groundwater during the next 30 years is negligible under conservative assumptions. The sampling of the newly installed groundwater monitoring well indicated below detectable levels of PCBs.

We concur with the conclusions and recommendations presented in the risk assessment and approve the proposed PCB soil cleanup goals that would result in an excess lifetime cancer risk of 1.00 E-05. A residential or industrial PCB soil cleanup goal may be chosen depending on the future landuse. Based on the groundwater sampling results, the previous elevated (34 ppb) hydropunch sampling data appears to be a false positive.

Former Westinghouse Electric Corporation  
5899 Peladeau Street  
Emeryville, Alameda County

May 9, 1996

I understand Westinghouse Electric Corporation is interested in conducting soil remediation at the site in an expeditious manner. As my staff explained at a meeting, on May 2, 1996 at our offices, we shall continue to assist in meeting your schedule. Please keep my staff informed of the status of your remediation plan/schedule and development plans at the site.

Please contact Sumadhu Arigala (510)- 286-0434 or Ravi Arulanantham (510)-286-1331, if you have any questions regarding this letter.

ENVIRONMENTAL  
PROTECTION  
96 MAY 14 AM 11:07

Sincerely,  
Loretta K. Barsamian,  
Executive Officer



Stephen J. Morse,  
Division Chief, Toxics.

CC: Susan Hugo, ACDEH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

Mansour Sephr, SOMA Environmental  
2680 Bishop Drive, Suite 203  
San Ramon, CA 94583

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
DEPOSIT / REFUND ACCOUNT SHEET

printed 08/05/97

SITE INFORMATION

Westinghouse Electric  
4899 Peladeau St  
Emeryville 94608  
Site Contact:  
Site Phone :

StID: 5560 Site#: 3471  
PROJECT#: 3471A  
PROJECT TYPE:\*\*\*. M \*\*\*  
INSP: Susan Hugo  
ACCT. SHEET PG #: \_\_\_\_\_

PROPERTY OWNER INFORMATION

Owner Contact:  
Owner Phone :

PAYOR INFORMATION

Westinghouse Electric Corp.  
P.O. Box 2518  
Pittsburgh PA 15230 # 888  
Payor Contact:  
Payor Phone :

Date	Action Taken	Insp Init	Hours Spent/ Depstd	Hour Balance	Money Spent/ Depositd	Money Balance
	Rcpt# 759471 Balance from Prev. Page					1500
11/30/95	meeting w/ Westinghouse RWQCB		3.0		270	1530
2/18/96	Talked to Mansour (Soma)		0.5		45	1485
2/20/96	Review Risk Assessment		3.0		270	1215
7/5/96	Review reports/risk assessment		3.0		282	933
8/5/97	Review status of site/active KWQCB lead agency		1.0		94	839
11/30/95	Administrative charge		1.0		90	749

UPON COMPLETION OF PROJECT

PROJ COMPLETED BY : \_\_\_\_\_

ATTACH:  State Forms A, B & C  
 Billing Adjustment\*

DATE OF COMPLETION : \_\_\_\_\_

DATE SENT TO BILLING: \_\_\_\_\_

TOTAL COST OF PROJECT: \_\_\_\_\_

REFUND AMOUNT: \_\_\_\_\_ Rev. 7/96

\* Billing adjustment forms needed when site is in our UST program.  
-ERROR- Unrecognized command - retype it



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, DIRECTOR

June 29, 1995

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700

Mr. Gordon Taylor  
Westinghouse Electric Company  
Environmental Affairs  
Gateway Center  
Pittsburgh, Pennsylvania 15222

RE: Investigation / Remediation at Westinghouse Electric  
Corporation - 4899 Peladeau Street, Emeryville, CA 94608

Dear Mr. Taylor:

A review of our records indicate that no deposit has been submitted in regards to the investigation / remediation project being conducted at the referenced site. This deposit is authorized under Section 3-141.6 of the Ordinance Code of the County of Alameda and is used to cover the expenses incurred by the County personnel in the execution of their oversight responsibilities associated with the project. Records of the time County employees commit to the project are maintained and the deposit is charged an hourly rate of \$90.00. Upon completion of the project, the balance of the deposit will be refunded to the responsible party or their designee.

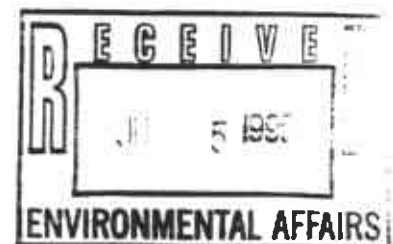
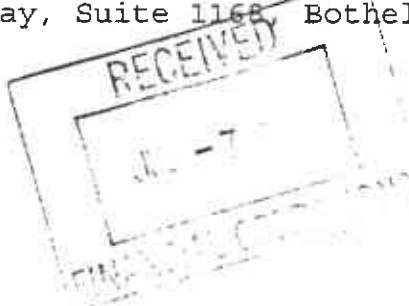
Please submit a deposit of \$ 1800.00 made payable to Environmental Health Services within ten days upon receipt of this letter.

If you have any questions concerning this letter, please contact me at (510) 567-6780.

Sincerely,

Susan L. Hugo  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Agency Director, Environmental Health  
Jun Makishima, Acting Chief, Environmental Protection  
Division / file  
Alex Tula, Alta Geosciences, Inc., 22833 Bothell-Everett  
Highway, Suite 1168 Bothell, Washington 98021



Westinghouse Electric Corporation, Corporate Information Services, Box 2518, Pittsburgh, Pa 15230 (412) 244-3675

CHECK NO 399661	YOUR INVOICE OR FREIGHT PRO NO	INVOICE DATE	OUR REF. NO	GROSS AMOUNT	DISCOUNT AMOUNT	NET AMOUNT
	6/29/95 D E INVEST/REM	06295	0102 ZZ0039	1,800.00	0.00	1,800.00
	W908240039		TOTALS	1,800.00	0.00	1,800.00

AT WESTINGHOUSE EMERYVILLE

Alameda County Department of Environmental Health  
Hazardous Materials Division

80 Swan Way, Rm. 200, Oakland, CA 94621  
Ph: 510-271-4320

LEVI

**BILLING FOR SERVICES**

StID# \_\_\_\_\_

A. Site Name WESTING HOUSE Phone \_\_\_\_\_

Site Address 5899 DELAWARE EMERYVILLE 94608  
(If no address, description of area) Number Street City Zip

Prior Business Name \_\_\_\_\_ Prior Owner's Name \_\_\_\_\_

B. Service Requestor PETER LITMAN ALL WEST 408 425 0706  
Contact Person Company Name Phone

Billing Address \_\_\_\_\_  
Number Street City Zip

Category of Service		# Hours	x \$	/Hr	\$
<input checked="" type="checkbox"/> Site Search		<u>1</u>	<u>125</u>		<u>125</u>
<input type="checkbox"/> File Search				<u>.10</u>	
<input type="checkbox"/> Other					
TOTAL CHARGE:					\$ _____

REMARKS: ALSO 6050 HOLLIS ST., EMERYVILLE, 94608

START 10:00 AM  
FINISH NOV 28 1:00 PM / EGH

You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County

Service Requestor PETER LITMAN printed name [Signature] signature Date 12/15/94  
HazMat Specialist ARIM LEVI printed name [Signature] signature Date 12/15/94





# WELLS FARGO BANK

SANTA CRUZ OFFICE 74 RIVER STREET SANTA CRUZ, CA 95060

766

11-24  
1210(9)

19 94

12 15

PAY TO THE ORDER OF Alameda County Env. Health \$ 37.50

Thirty Seven and 50/100 DOLLARS

REBECCA L. BLYTHE  
PETER LITTMAN  
604 LAGUNA STREET  
SANTA CRUZ, CA 95060  
*(408) 425-0706*

*Peter Littman*

MEMO File Review Enroute



⑆ 21000248⑆ 766 0532 618204⑈

REF./  
A/C NO. 430

COUNTY OF ALAMEDA  
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 12 15 194

No 747036

## MISCELLANEOUS RECEIPT

\$ 37.50  
DOLLARS

RECEIVED FROM: Therapy Session 7/24/80

FOR: 11/2/82 - 100 hrs. Personal & Massage

RECEIVED BY: Guyn Hollister DEPT. NO.: 120

CASH  PERSONAL/CASHIER'S CHECK/M. O. # 746  OTHER: \_\_\_\_\_

January 14, 1992

Mr. Derek Armentrout  
EMCON Associate  
1921 Ringwood Ave.  
San Jose, CA 95131

5815 PELADEAU ST.  
EMERYVILLE, CA

Dear Mr. Armentrout:

Re: Groundwater Permit Information and Procedures

Thank you for your inquiry regarding discharge of treated groundwater to the EBMUD Wastewater Treatment Plant from groundwater remediation at Westinghouse in Emeryville.

94608

Enclosed is the following information on EBMUD groundwater permits and procedures for your evaluation:

- o Groundwater Permit Information.
- o EBMUD Ordinance No. 311.
- o EBMUD Resolution No. 32500.
- o Wastewater Discharge Permit application forms.
- o Standard Provisions and Reporting Requirements, 05/91 revision.
- o Influent and Effluent Toxics Summary 1990.
- o Permit By Rule Info Letter and Document Order Form.

Transmittal of this information to you does not constitute permission to discharge groundwater to the sanitary sewer.

Should you have any additional questions, please contact me at (510) 287-1630.

Sincerely,

*Thomas C Paulson*

THOMAS C. PAULSON  
Industrial Discharger Section Supervisor  
Source Control Division MS702

see: Groundwater  
Inquiry file

TCP:MKO:mko  
Enclosures

cc: Rafat Shahid, Alameda County Health Care Services Agency  
Lester Feldman, Regional Water Quality Control Board

P.O. BOX 24055 . OAKLAND . CA 94623-1055 . (510) 465-3700

BOARD OF DIRECTORS NANCY J. NADEL . KENNETH H. SIMMONS . ANDREW COHEN

JOHN A. COLEMAN . STUART FLASHMAN . JOHN M. GIOIA . KATHERINE MCKENNEY

**Westinghouse  
Electric Corporation**

Westinghouse Building  
Gateway Center  
Pittsburgh Pennsylvania 15222

VIA FEDERAL EXPRESS

412-642-3969

June 6, 1988

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

Attention: Ms. Liz Rose

Dear Ms. Rose:

Re: Westinghouse Electric Corporation  
5815 Peladeau Street  
Emeryville, California

As you are aware, Underground Construction Co., Inc., under contract with Westinghouse, recently removed an underground gasoline storage tank from the above referenced facility. During discussions with Mr. Greg Mah-Hing, you indicated that the removal would be accepted by the Department of Environmental Health upon receiving written confirmation from Westinghouse that the excavated soils would be properly disposed of. This letter confirms Westinghouse's intentions to combine these soils with the material excavated from the installation of the storm water catch basin and properly dispose of the materials at the facility operated by U. S. Ecology in Beatty, Nevada.

We understand that, based on the analytical results of the soil samples obtained from the excavation, no further action is necessary and Underground Construction was authorized to backfill the excavation. Underground Construction completed this activity on May 26, 1988.

Should you have any questions or require additional information, please contact me.

Very truly yours,



J. J. Chizzonite  
Manager-Environmental Projects  
Environmental Control and Auditing  
Environmental Affairs

JJC:eps:3051S



ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
MEMORANDUM

TO File FROM J. Roal DATE 5/27/88  
SUBJECT 5899 Peladeau St. Emeryville -

Discussed tank removal & Greg Mahkin -  
Contaminated backfill is going to be shipped  
off & some other Contaminated (P/B - waste).  
Repairing of surface to be done Weds or Thurs  
of next wk.

I asked him to have Westinghouse notify us  
of the shipment of this waste. Also need  
copy of the manifest for the tank which  
went to Erickson



**UNDERGROUND CONSTRUCTION CO., INC.**

P.O. Box 2218 • 1515 Aurora Drive  
San Leandro, California 94577

(415) 357-3520

No. 2883

Date 5/27/88

To Alameda County - Dept Environmental Health Job No. 32037

80 Swan Way, Room 200

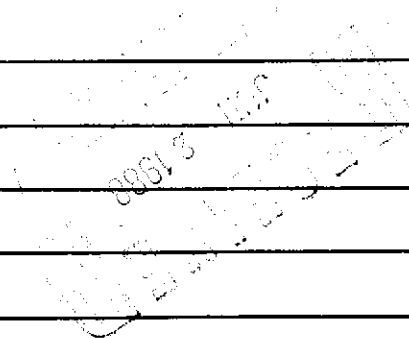
Oakland, CA 94621 Attn. Ms. Liz Rose

Re: Job Westinghouse Electric, Emeryville, CA

Item Waste Manifest

We hereby submit for your	COMMENT	<input type="checkbox"/>	the following	DRAWINGS	<input type="checkbox"/>
	APPROVAL	<input type="checkbox"/>		LITERATURE	<input type="checkbox"/>
	FILES	<input type="checkbox"/>		CHANGE	<input type="checkbox"/>
	ATTENTION	<input type="checkbox"/>		LETTER	<input type="checkbox"/>
	QUOTATION	<input type="checkbox"/>		SAMPLE	<input type="checkbox"/>

- 1) Waste Manifest
- 2) Certificate of clean tank
- 3) Bill of Lading



**UNDERGROUND CONSTRUCTION**  
P.O. BOX 2000  
5145 INDUSTRIAL WAY  
BENICIA, CA. 94510  
(707) 746-8800  
(707) 746-1314 FAX

Very truly yours,

UNDERGROUND CONSTRUCTION CO., INC.

By [Signature]

UNDERGROUND CONSTRUCTION  
P.O. BOX 2000  
8145 INDUSTRIAL WAY  
BENICIA, CA 94810  
(707) 748-8800  
(707) 748-1314 FAX

**STRAIGHT BILL OF LADING**  
**ORIGINAL - NOT NEGOTIABLE**

RECEIVED

MAY 19 1988

Shipper's No. \_\_\_\_\_

Carrier's No. 019

Date \_\_\_\_\_

CARRIER: Erickson Trucking Inc.

UNSEASONED CONST.

**TO:**  
Consignee Levin Metals Corp.  
Street 600 South 4th Street  
Destination Richmond, CA Zip 94804

**FROM:**  
Shipper Erickson, Inc.  
Street 255 Parr Blvd.  
Origin Richmond, CA Zip 94801

Route: \_\_\_\_\_ Vehicle Number 801272

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
		Non-DOT regulated material					
		Gas Free, Triple Rinsed	None	N/A	N/A	N/A	None
		Underground Tanks For Scrap					
		<del>4157/705</del>					
		4169/725					

Remit C.O.D. to: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
**C.O.D. FEE:**  
Prepaid   
Collect  \$  
**COD Amt:** \$ \_\_\_\_\_

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ \_\_\_\_\_ Per \_\_\_\_\_  
Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the company, the consignee shall sign the following receipt: \_\_\_\_\_  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.  
(Signature of Consignee) \_\_\_\_\_  
**FREIGHT CHARGES**  
 PREPAID  COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), receipted, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery and destination if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.  
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.  
PLACARDS REQUIRED  NO  PLACARDS SUPPLIED  YES  NO - FURNISHED BY CARRIER  
DRIVER SIGNATURE: \_\_\_\_\_

SHIPPER: Erickson Inc. CARRIER: ERICKSON INC  
PER: S. Lowry PER: JERRY BROWN  
DATE: 4-15-88 DATE: 4-15-88

This is to CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 8 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

**LMC METALS**  
A DIVISION OF SIMSMETAL USA CORPORATION

800 SOUTH 4th STREET RICHMOND, CALIFORNIA 94804 (415) 236-0606  
1800 MONTEREY HIGHWAY SAN JOSE, CALIFORNIA 95112 (408) 284-8443  
130 NORTH 12th STREET SACRAMENTO, CALIFORNIA 95814 (916) 444-3380  
740 NORTH WILSON WAY STOCKTON, CALIFORNIA 95205 (209) 466-8875  
659 SEAPORT BLVD. REDWOOD CITY, CALIF. 94063 (415) 369-4161

DATE: \_\_\_\_\_  
39921  
TYPE OF PURCHASE:  CASH  CHECK  ON ACCT  I/C  PRE PAID  
VENDOR: \_\_\_\_\_ CHECK NO.: \_\_\_\_\_

NET 10680 lbs. AMOUNT 213.60

FRY CODE: \_\_\_\_\_ FREIGHT IN: \_\_\_\_\_ DRIVER'S NAME: \_\_\_\_\_  
W.B. NO./CARRIER: \_\_\_\_\_ DRIVER'S LICENSE NO.: \_\_\_\_\_  
DISMANTLER NO.: \_\_\_\_\_ VEHICLE LICENSE/LMC NO.: \_\_\_\_\_  
B/L NO.: \_\_\_\_\_ R/R CAR NO./TRAILER LIC. NO.: \_\_\_\_\_

FOR SALVAGE VEHICLE SALES: hereby certify, under penalty of perjury, that any vehicles sold have been cleared for dismantling with the Department of Motor Vehicles.  
HOLD HARMLESS AGREEMENT: Seller will indemnify and hold buyer harmless from damages, demands and liabilities, including reasonable attorney's fees, resulting from the breach of any warranty hereunder and driver agrees to be responsible for damage to vehicle during unloading.  
BILL OF SALE: I warrant that I am the owner (or owner's representative) of the material described hereon and have the right to sell same, that it contains no hazardous material as defined by Federal or State law and that for payment hereby received, I sell the same to LMC METALS.

SIGNATURE OF SELLER OR AGENT: \_\_\_\_\_

4157

GENERATOR

TRANSPORTER

FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <i>CA110181013121113</i>		Manifest Document No. <i>0101011</i>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																							
3. Generator's Name and Mailing Address <i>Westinghouse Electric Corporation 5840 Sandungan Street, Emeryville Cal.</i>						A. State Manifest Document Number <b>87621355</b>																									
4. Generator's Phone <i>(415) 428-9156</i> <i>94608</i>						B. State Generator's ID																									
5. Transporter 1 Company Name <i>Erickson Trucking, Inc.</i>			6. US EPA ID Number <i>CA11010191416131912</i>			C. State Transporter's ID <i>0019</i>																									
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone <i>415-235-1393</i>																									
9. Designated Facility Name and Site Address <i>Erickson, Inc. 255 Par Blvd. Richmond, Cal 94801</i>						E. State Transporter's ID <i>49188</i>																									
10. US EPA ID Number <i>CA11010191416131912</i>						F. Transporter's Phone																									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <i>waste Empty storage tank California Regulated waste only.</i>						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.																			
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p>RECEIVED</p> <p>MAY 19 1988</p> <p>UNDERGROUND CONST.</p> </div>						<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 50px;">71015</td><td style="width: 50px;">TIP</td></tr> </table>		71015	TIP	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 50px;">00101010</td><td style="width: 50px;">P</td></tr> </table>		00101010	P	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 50px;">512</td><td style="width: 50px;">State</td></tr> <tr><td style="width: 50px;">None</td><td style="width: 50px;">EPA/Other</td></tr> <tr><td style="width: 50px;"></td><td style="width: 50px;">State</td></tr> <tr><td style="width: 50px;"></td><td style="width: 50px;">EPA/Other</td></tr> <tr><td style="width: 50px;"></td><td style="width: 50px;">State</td></tr> <tr><td style="width: 50px;"></td><td style="width: 50px;">EPA/Other</td></tr> <tr><td style="width: 50px;"></td><td style="width: 50px;">State</td></tr> <tr><td style="width: 50px;"></td><td style="width: 50px;">EPA/Other</td></tr> </table>		512	State	None	EPA/Other		State		EPA/Other		State		EPA/Other		State		EPA/Other
								71015	TIP																						
								00101010	P																						
								512	State																						
None	EPA/Other																														
	State																														
	EPA/Other																														
	State																														
	EPA/Other																														
	State																														
	EPA/Other																														
J. Additional Descriptions for Materials Listed Above <i>Empty unleaded gasoline tank, #705 Seed with 50 lbs dry ice.</i>						K. Handling Codes for Wastes Listed Above		a. <i>01</i>		b.		c.																			
15. Special Handling Instructions and Additional Information																															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name <i>DAVE STINER</i>		Signature <i>[Signature]</i>		Month Day Year <i>10/19/88</i>																					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <i>ERICKSON INC</i>		Signature <i>[Signature]</i>		Month Day Year <i>10/19/88</i>																					
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name <i>ERICKSON INC</i>		Signature <i>[Signature]</i>		Month Day Year <i>10/19/88</i>																					
19. Discrepancy Indication Space <i>18. No Transporter #2 20. Shannan Lowry</i>												<i>#12 001 TP #13 3000 P C. 49188 0408-88</i>																			
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest, except as noted in Item 19.						Printed/Typed Name <i>ERICKSON INC</i>		Signature <i>[Signature]</i>		Month Day Year <i>10/19/88</i>																					



Nº

705

Underground  
4157

**CERTIFICATE**

Certified Services Company  
255 Parr Boulevard  
Richmond, California 94801

Day or Night  
Telephone  
(415) 235-1393

For: Erickson Inc. Tank No.(s.) 705 Location: Richmond Date: 4-15-88 Time: 0828  
 Test Method: Visual/Gastech 1314 SMPN Last Product: Unleaded Gasoline

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1-3000 gal. tank	Safe for fire oxy 20.9 %
	LEL < 1%
107	

RECEIVED  
MAY 19 1988  
UNDERGROUND CONST.

Remarks: Have fire extinguisher on site while performing hot work

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

**Standard Safety Designation:**  
**Safe for Men:** Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.  
**Safe for Fire:** Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 per cent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Representative \_\_\_\_\_ Title \_\_\_\_\_

Inspector Shannon Houry



BROWN AND CALDWELL LABORATORIES

1255 POWELL STREET EMERYVILLE, CA 94608 • (415) 426-2300

April 12, 1988

Mr. Dave Steiner  
Underground Construction Company  
Post Office Box 2000  
5145 Industrial Way  
Benicia, California 94510

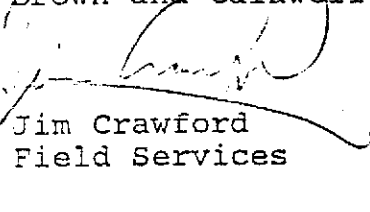
Dear Mr. Steiner:

On April 8, Brown and Caldwell performed sampling for an underground storage tank removal at the Emeryville Westinghouse site. The excavated pit from which the tank had been removed was found to contain approximately one foot of groundwater. Soil samples were collected at the north and south ends of the pit just above the water level. A grab water sample was collected from the middle of the pit. In addition, a composite sample consisting of four soil cores was collected from soil excavated from the pit. Soil samples were analyzed for Total Fuel Hydrocarbons and BTX (modified EPA 8015). The water sample was analyzed for Total Fuel Hydrocarbons and EPA 602.

Enclosed is a map showing sampling sites. Please feel free to contact the laboratory for any questions concerning sampling or analysis.

Very truly yours,

Brown and Caldwell

  
Jim Crawford  
Field Services

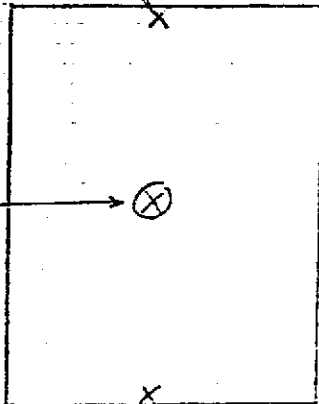
JC:vb

RECEIVED  
MAY 2 1988



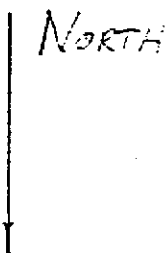
SOUTH END OF PIT  
SAMPLE SITE

GROUND  
WATER  
SAMPLE SITE

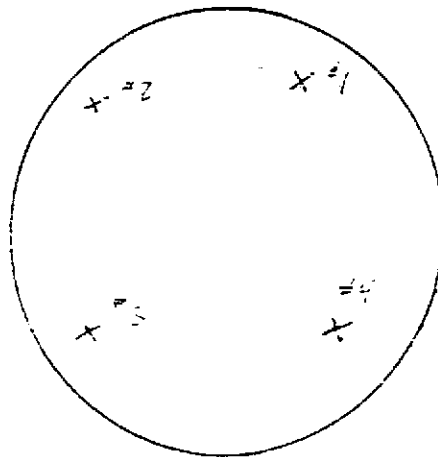


NORTH END OF PIT  
SAMPLE SITE

WESTINGHOUSE  
BUILDING



COMPOSITE SAMPLING SITES  
FROM  
EXCAVATED  
DIRT



JOB NUMBER		SUBJECT	DATE	SHEET NO.
------------	--	---------	------	-----------



**BROWN AND CALDWELL LABORATORIES**

1255 POWELL STREET EMERYVILLE, CA 94608 • (415) 428-2300

**ANALYTICAL REPORT**

LOG NO: E88-04-165

Received: 08 APR 88  
Reported: 22 APR 88

Mr. David Steiner  
Underground Construction Company  
5145 Industrial Way  
Benicia, California 94510

Purchase Order: 102152

CC: \*Mr. T.R. Basilone

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED				
04-165-1	Excavated Composite	08 APR 88				
04-165-2	North End Pit	08 APR 88				
04-165-3	South End Pit	08 APR 88				
04-165-5	Tank Pit Middle	08 APR 88				
04-165-6	Tank Pit West Side	08 APR 88				
PARAMETER		04-165-1	04-165-2	04-165-3	04-165-5	04-165-6
Sample Held, Not Analyzed		---	---	---	HELD	HELD
Benzene, Toluene, Xylene Isomers						
Benzene, mg/kg		<0.5	<0.5	<0.5	---	---
Toluene, mg/kg		0.9	<0.5	<0.5	---	---
Total Xylene Isomers, mg/kg		4.4	<0.5	<0.5	---	---
Total Fuel Hydrocarbons, mg/kg		100	<10	<10	---	---

RECEIVED  
MAY 23 1988



**BROWN AND CALDWELL LABORATORIES**

1255 POWELL STREET EMERYVILLE, CA 94608 • (415) 428-2300

**ANALYTICAL REPORT**

LOG NO: E88-04-165

Received: 08 APR 88

Reported: 22 APR 88

Mr. David Steiner  
Underground Construction Company  
5145 Industrial Way  
Benicia, California 94510

Purchase Order: 102152

CC: \*Mr. T.R. Basilone

REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED
04-165-4	Tank Pit Water	08 APR 88
PARAMETER	04-165-4	
Total Fuel Hydrocarbons, mg/L EPA Method 602	2.2	
Date Extracted	04.20.88	
1,2-Dichlorobenzene, ug/L	<5.0	
1,3-Dichlorobenzene, ug/L	<5.0	
1,4-Dichlorobenzene, ug/L	<5.0	
Benzene, ug/L	<5.0	
Chlorobenzene, ug/L	<5.0	
Ethylbenzene, ug/L	<5.0	
Toluene, ug/L	<5.0	
Total Xylene Isomers, ug/L	570	

Steve Fisher, Laboratory Director

RECEIVED  
MAY 23 1988



**UNDERGROUND CONSTRUCTION CO., INC.**

P.O. Box 2218 • 1515 Aurora Drive  
San Leandro, California 94577

(415) 357-3520

No. 2874

Date March 30, 1988

To Alameda County Dept. of Environmental Health

Job No. 32037

Attn. Liz Rose

Re: Job Westinghouse Electric Corporation, Emeryville, CA

Item Fuel Tank Removal

We hereby submit for your	COMMENT	<input type="checkbox"/>	the following	DRAWINGS	<input type="checkbox"/>
	APPROVAL	<input type="checkbox"/>		LITERATURE	<input checked="" type="checkbox"/>
	FILES	<input type="checkbox"/>		CHANGE	<input type="checkbox"/>
	ATTENTION	<input checked="" type="checkbox"/>		LETTER	<input type="checkbox"/>
	QUOTATION	<input type="checkbox"/>		SAMPLE	<input type="checkbox"/>

3 copies    1) Tank closure / modification plan.  
                   2) Safety plan

UNDERGROUND CONSTRUCTION CO. INC.  
 5145 INDUSTRIAL WAY  
 P.O. BOX 2000  
 BENICIA, CA 94510

Very truly yours,

UNDERGROUND CONSTRUCTION CO., INC.

By Shy Whig



**UNDERGROUND CONSTRUCTION CO., INC.**

P.O. Box 2218 • 1515 Aurora Drive  
San Leandro, California 94577

~~(415) 357-9526~~

No. 2871

Date March 10, 1988

To Alameda County Health Care Services Agency

Job No. 32037

Department of Environmental Health

470 - 27TH St. Rm 322  
Oakland, CA 94612

Attn. Ms. Liz Rose

Re: Job Emergville Fuel Tank Removal

Item Tank Closure Plan

- |           |                                     |            |                                     |
|-----------|-------------------------------------|------------|-------------------------------------|
| COMMENT   | <input type="checkbox"/>            | DRAWINGS   | <input type="checkbox"/>            |
| APPROVAL  | <input type="checkbox"/>            | LITERATURE | <input checked="" type="checkbox"/> |
| FILES     | <input type="checkbox"/>            | CHANGE     | <input type="checkbox"/>            |
| ATTENTION | <input checked="" type="checkbox"/> | LETTER     | <input type="checkbox"/>            |
| QUOTATION | <input type="checkbox"/>            | SAMPLE     | <input type="checkbox"/>            |

We hereby submit for your the following

1. Tank Closure Plan

2. Copy of 1) letter dated Feb 11, 1988

2) check # 605296

(you have these in file)

Please call when you review this plan

**UNDERGROUND CONSTRUCTION CO. INC.**

5145 INDUSTRIAL WAY

P.O. BOX 2000

BENICIA, CA 94510

707-746-8800

Very truly yours,

**UNDERGROUND CONSTRUCTION CO., INC.**

By [Signature]

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
470 - 27TH ST., RM. 322  
OAKLAND, CA 94612  
PHONE NO. 415/874-7237

RECEIVED  
MAR - 1 1988  
UNDERGROUND CONST.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Westinghouse Electric Corporation  
Business Owner Westinghouse Electric Corporation
2. Site Address 5815 Peladeau Street  
City Emeryville, CA zip 94608 Phone 415-428-9156
3. Mailing Address 5840 Landregan Street  
City Emeryville, CA zip 94608 Phone 415-428-9156
4. Land Owner Westinghouse Electric Corporation  
Address 11 Stanwix Street city, state Pittsburgh, PA zip 15222
5. EPA I.D. No. CAT080032113
6. Contractor Underground Construction Co., Inc.  
Address PO Box 2000  
City Benicia, CA 94510 Phone 707-746-8800  
License Type A ID# 171655
7. Other (Specify) \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Phone \_\_\_\_\_



8. Contact Person for Investigation

Name Greg Mah-Hing Title Project Manager

Phone 707-746-8800

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [X] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Martinez Industrial Services EPA I.D. No. CAD981425911

Address P.O. Box 69

City Pineole State CA zip 94564

b) Rinsate Transporter

Name Martinez Industrial Services EPA I.D. No. CAD981425911

Address P.O. Box 69

City Pineole State CA zip 94564

c) Tank Transporter

Name Erickson Inc. EPA I.D. No. CAD009466392

Address 255 Parr Blvd

City Richmond State CA zip 94801

d) Contaminated Soil Transporter

Name Erickson Inc. EPA I.D. No. CAD009466392

Address 255 Parr Blvd

City Richmond State CA zip 94801

12. Sample Collector

Name \_\_\_\_\_

Company Brown and Caldwell

Address 1255 Powell St.

City Emeryville State CA zip 94608 Phone 415-428-2300

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
3000 gal	Unleaded gasoline		

14. Have tanks or pipes leaked in the past? Yes [ ] No [X]

If yes, describe. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. Place dry ice in tank - 15 lbs per  
1000 gallon capacity.  
 \_\_\_\_\_  
 \_\_\_\_\_

16. Laboratories

Name Brown and Caldwell  
 Address 1255 Powell Street  
 City Emeryville State CA Zip 94608  
 State Certification No. 94-1446346

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
Gasoline 1) soil 2) ground-water	<del>8020</del> Modified 8015 Modified 8015	Modified 8015 Modified 8015

*NO - 3/23/88*

18. Site Safety Plan submitted? Yes  No

19. Workman's Compensation: Yes  No

Copy of Certificate enclosed? Yes  No

Name of Insurer Liberty Mutual

20. Plot Plan submitted? Yes  No

21. Deposit enclosed? Yes  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

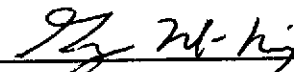
I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin 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 will notify the Department of Environmental Health at least two (2) working days (48 hours) 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) Greg Mah-Hing

Signature 

Date March 9, 1988

Signature of Site Owner or Operator

Name (please type) W. R. Keyes

Signature 

Date March 14, 1988

NOTES:

1. Any changes in this document must be approved by this Department.
2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.
3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.
4. A copy of your approved plan must be sent to the landowner.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A  
SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

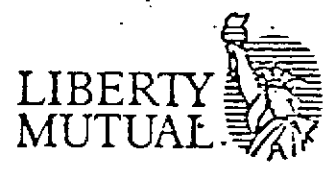
Certificate of Insurance

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON YOU THE CERTIFICATE HOLDER. THIS CERTIFICATE IS NOT AN INSURANCE POLICY AND DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW.

This is to Certify that

**UNDERGROUND CONSTRUCTION CO., INC. & MGC CO.**  
**P.O. BOX 2000**  
**BENICIA, CA 94510**

Name and address of Insured.



is, at the issue date of this certificate, insured by the Company under the policy(ies) listed below. \*The insurance afforded by the listed policy(ies) is subject to all their terms, exclusions and conditions and is not altered by any requirement, term or condition of any contract or other document with respect to which this certificate may be issued.

TYPE OF POLICY		CERT. EXP. DATE	POLICY NUMBER	LIMITS OF LIABILITY	
WORKERS' COMPENSATION		8/1/88	WC2-161-027921-027	COVERAGE AFFORDED UNDER W.C. LAW OF THE FOLLOWING STATES:  <b>CALIFORNIA</b>	COV. B BODILY INJURY BY ACCIDENT \$ 500,000 EA. ACCIDENT BODILY INJURY BY DISEASE \$ 500,000 EA. PER POLICY YEAR BODILY INJURY BY DISEASE \$ 500,000 POLICY YEAR
GENERAL LIABILITY	<input checked="" type="checkbox"/> COMPREHENSIVE FORM <input type="checkbox"/> SCHEDULE FORM <input checked="" type="checkbox"/> PRODUCTS COMPLETED OPERATIONS <input type="checkbox"/> <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS CONTRACTORS PROTECTIVE <input checked="" type="checkbox"/> CONTRACTUAL LIABILITY <input checked="" type="checkbox"/> BF CGL	8/1/88	LG1-161-027921-037	BODILY INJURY \$ EACH OCCURRENCE \$ AGGREGATE	PROPERTY DAMAGE \$ EACH OCCURRENCE \$ AGGREGATE COMBINED SINGLE LIMIT BODILY INJURY AND PROPERTY DAMAGE \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 AGGREGATE
	AUTO LIABILITY	<input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> NON-OWNED <input checked="" type="checkbox"/> HIRED	8/1/88	AS1-161-027921-047	\$ 1,000,000 EACH ACCIDENT-SINGLE LIMIT-B.I. AND P.D. COMBINED \$ EACH PERSON EACH ACCIDENT OR OCCURRENCE \$ EACH ACCIDENT OR OCCURRENCE
OTHER	UMBRELLA EXCESS	8/1/88	LE1-161-027921-067	\$5,000,000	
LOCATION(S) OF OPERATIONS & JOB # (If Applicable)				DESCRIPTION OF OPERATIONS.	
ALL LOCATIONS (SEE ATTACHED)				USUAL TO INSURED	

\*NOTE: You will NOT be notified annually of the continuation of this coverage. You will be notified if this coverage is terminated or reduced.

ADDITIONAL INSURED:  
 NOTICE OF CANCELLATION: THE COMPANY WILL NOT TERMINATE OR REDUCE THE INSURANCE AFFORDED UNDER THE ABOVE POLICIES UNLESS 30 DAYS NOTICE OF SUCH TERMINATION OR REDUCTION HAS BEEN MAILED TO:

CERTIFICATE HOLDER →

AUTHORIZED REPRESENTATIVE  
 JANUARY 6, 1988                      OAKLAND  
 DATE ISSUED                                      OFFICE

PROJECT # U505571

ALAMEDA COUNTY HEALTH  
ENVIRONMENTAL HEALTH DEPT.

SERVICE REQUESTED: Removal

NAME OF SITE: Westinghouse Electric STID \_\_\_\_\_  
ADDRESS: 5815 Deladeau St.  
EMERYVILLE

CONTRACTOR: Underground Construction Co. Inc.  
ADDRESS: 5145 Industrial Way TELE = 707-796-8800  
CONTACT PERSON: Greg Mah - Hing TELE = \_\_\_\_\_  
AMOUNT OF DEPOSIT: \$ 300.00 DATE: 2/16/88

DATE:	ACTION TAKEN	TIME	HRS IN	OUT	X \$53.	BALANCE
	OVERHEAD 25%				75	\$ 225.00
3/23/88	Review Plan	5:45	10:00	0.2	10.06	214.94
3/29/88	Telephone Making	8:50	<del>8:50</del>	0.1	5.30	209.64
5/27/88	Telep.	11:00	10:10	0.1	5.30	204.34
	<del>at 11/25/88 to Mary for accounting</del>					

=====

PROJECT COMPLETED BY Mase TOTAL COST \$ 95.66

DATE: \_\_\_\_\_ REFUND: \$ \_\_\_\_\_  
SENT TO ACCOUNTING: DATE: \_\_\_\_\_

TO BE REPORTED WEEKLY TO ACCOUNTING FOR CASH FLOW  
ADJUSTMENT

Westinghouse  
Electric Corporation

Westinghouse Building  
Gateway Center  
Pittsburgh Pennsylvania 15222

412-642-3969

October 13, 1987

RECEIVED  
OCT 23 1987

HAZARDOUS MATERIALS/  
WASTE PROGRAM

Alameda County  
Health Care Services Agency  
Hazardous Materials Division  
470 27th Street  
Oakland, CA 94612

Attention: Rafat A. Shahid, Chief

Dear Mr. Shahid:

Re: Westinghouse Electric Corporation  
5815 Peladeau Street  
Emeryville, California 94608

As requested in Mr. Gerald H. Winn's correspondence of September 25, 1987, please find enclosed the Permit Application for the underground storage tank located at the above-referenced facility. Westinghouse intends to close this tank permanently at the earliest possible time.

Should you have any questions or require additional information, please contact me.

Very truly yours,

*J. J. Chizzonite*

J. J. Chizzonite  
Project Engineer  
Environmental Control  
Environmental Affairs

JJC:ebs:1720S

Enclosure





# Permit Application



TANK TO BE PERMANENTLY CLOSED

<input type="checkbox"/> 01 New Permit	<input type="checkbox"/> 03 Installed before July 1, 1984	<input type="checkbox"/> 05 Renewed Permit	<input type="checkbox"/> 06 Amended Permit
<input type="checkbox"/> 02 Provisional Permit	<input type="checkbox"/> 04 Installed after July 1, 1984		

### I Owner

Name (Corporation, Individual or Public Agency) <b>Westinghouse Electric Corporation</b>			
Street Address <b>11 Stanwix Street</b>	City <b>Pittsburgh</b>	State <b>PA</b>	ZIP <b>15222</b>

### II Facility

Facility Name <b>Westinghouse Electric Corporation</b>		Dealer/Foreman/Supervisor <b>Clint Boomer</b>	
Street Address <b>5815 Peladeau Street</b>		Nearest Cross Street <b>Powell</b>	
City <b>Emeryville</b>		County <b>Alameda</b>	ZIP <b>94608</b>
Mailing Address <b>5840 Landregan Street</b>		City <b>Emeryville</b>	State <b>CA</b>
Phone w/area code <b>415-428-9156</b>		Type of Business <input type="checkbox"/> 01 Gasoline Station <input checked="" type="checkbox"/> 02 Other: <b>Warehouse</b>	
NUMBER OF CONTAINERS AT THIS FACILITY	Rural Areas Only:	Township	Range
			Section

### III 24 Hour Emergency Contact Person

Days: Name (last name first) and Phone w/area code <b>Boomer, Clint 415-428-9156</b>	Nights: Name (last name first) and Phone w/area code <b>Boomer, Clint 415-531-2078</b>
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COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

### IV Description

A. <input checked="" type="checkbox"/> 01 Tank <input type="checkbox"/> 02 Other: _____		Container Number (if there is no number, assign one) <b>1</b>
B. Manufacturer (if appropriate): <b>Unknown</b>	Year of Mfg.: <b>Unknown</b>	C. Year Installed: _____ <input checked="" type="checkbox"/> Unknown
D. Container Capacity: <b>3000</b> gallons <input type="checkbox"/> Unknown	E. Does the Container Store (Check One): <input type="checkbox"/> 01 Waste <input checked="" type="checkbox"/> 02 Product	
F. Does the Container Store Motor Vehicle Fuel or Waste Oil? <input checked="" type="checkbox"/> 01 Yes <input type="checkbox"/> 02 No    If Yes, Check appropriate box(es): <input checked="" type="checkbox"/> 01 Unleaded <input type="checkbox"/> 02 Regular <input type="checkbox"/> 03 Premium <input type="checkbox"/> 04 Diesel <input type="checkbox"/> 05 Waste Oil <input type="checkbox"/> 06 Other (List): _____ If you answered yes; do not complete Part VIII.		

### V Container Construction

A. Thickness of Primary Containment: _____ <input type="checkbox"/> Gauge <input type="checkbox"/> Inches <input type="checkbox"/> cm <input checked="" type="checkbox"/> Unknown
B. <input type="checkbox"/> 01 Vaulted (Located in an underground Vault.) <input type="checkbox"/> 02 Non-vaulted <input checked="" type="checkbox"/> 03 Unknown
C. <input type="checkbox"/> 01 Double Walled <input checked="" type="checkbox"/> 02 Single Walled <input type="checkbox"/> 03 Lined
D. <input checked="" type="checkbox"/> 01 Carbon Steel <input type="checkbox"/> 02 Stainless Steel <input type="checkbox"/> 03 Fiberglass <input type="checkbox"/> 04 Polyvinyl Chloride <input type="checkbox"/> 05 Concrete <input type="checkbox"/> 06 Aluminum
<input type="checkbox"/> 07 Steel Clad <input type="checkbox"/> 08 Bronze <input type="checkbox"/> 09 Composite <input type="checkbox"/> 10 Non-metallic <input type="checkbox"/> 11 Earthen Walls
<input type="checkbox"/> 12 Unknown <input type="checkbox"/> 13 Other: _____

**Container Construction**

E.  01 Rubber Lined     02 Alkyd Lining     03 Epoxy Lining     04 Phenolic Lining     05 Glass Lining     06 Clay Lining

07 Unlined     08 Unknown     09 Other: \_\_\_\_\_

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F.  01 Polyethylene Wrap     02 Vinyl Wrapping     03 Cathodic Protection

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     04 Pressure     05 Suction

(Check) appropriate box(es)     06 Unknown     07 None

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B. Underground Piping:  01 Double-walled pipe     02 Concrete-lined trench     03 Gravity     04 Pressure     05 Suction

(Check) appropriate box(es)     06 Unknown     07 None

**VII Leak Detection**

01 Visual     02 Stock Inventory     03 Tile Drain     04 Vapor Sniff Wells     05 Sensor Instrument

06 Ground Water Monitoring Wells     07 Pressure Test     08 Internal Inspection     09 None

10 Other: \_\_\_\_\_

**VIII Chemical Composition of Materials Currently or Previously Stored in Underground Containers**

If you checked yes to IV -F you are not required to complete this section.

currently stored	previously stored	CAS # (If known)	Chemical Do Not Use Commercial Name (Use additional paper for more room)
<input type="checkbox"/> 01	<input type="checkbox"/> 02		
<input type="checkbox"/> 01	<input type="checkbox"/> 02		
<input type="checkbox"/> 01	<input type="checkbox"/> 02		

Is Container located on an Agricultural Farm?  01 Yes     02 No

Person Filing (Signature) \_\_\_\_\_ Phone w/area code 412-642-3969

**For Local Agency Use Only**

AGENCY NAME	CITY	COUNTY
CONTACT PERSON		PHONE W/AREA CODE
INSPECTION DATE (1ST INSPECTION)	PERMIT APPROVAL DATE	PERMIT ID. NUMBER

**FOR STATE USE ONLY**

STATE ID. NUMBER	Accounting Number:	County Number:
Date Received:	<input type="checkbox"/> 01	<input type="checkbox"/> 02 <input type="checkbox"/> 03