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COMPREHENSIVE SITE CLOSURE REPORT

5815 Peladeau Street

Emeryville, California

Project 98-2172

October 30, 1998

Prepared for

CBS Corporation

11 Stanwix Street

Pittsburgh, Pennsylvania

Prepared by

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CERTIFICATION AND LIMITATIONS

This report has been prepared by SOMA Environmental Engineering, Inc. (SOMA) for the exclusive use of CBS Corporation successor by corporate name change to Westinghouse Electric Corporation for their use with the potential development of the subject property due to chemicals detected in on-site soils and groundwater, as described herein. The evaluation and resulting conclusions are based on data gathered by SOMA Environmental Engineering, Inc., and other consultants, are believed to be true and accurate. SOMA has provided its professional services using the degree of care and skill ordinarily exercised by other scientists and engineers practicing in this field. No other warranty, express or implied, is made as to the conclusions and professional opinions and recommendations contained in this report.

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CIVIL
STATE OF CALIFORNIA

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EXECUTIVE SUMMARY

This Comprehensive Site Closure Report has been prepared by SOMA Environmental Engineering, Inc. on behalf of CBS Corporation, successor by corporate name change to Westinghouse Electric Corporation (Westinghouse) for a former Westinghouse Facility, located at 5815 Peladeau Street, Emeryville, California. The Comprehensive Site Closure Report demonstrates that the following seven requirements, as specified in California Regional Water Quality Control Board (RWQCB) guidance on site closure, have been adequately addressed:

1. Has the Site been adequately investigated?
2. Have all contaminant sources been removed or stabilized?
3. Is the groundwater plume stable?
4. Does the Site pose any current or future threats to public health?
5. Does the Site pose any current or future threats to the environment?
6. Does the Site pose any current or future threat to water resources?
7. Is a risk management plan in place?

Site Background

Westinghouse's operations at the Emeryville facility began in 1924. In the earlier years the site was used for limited manufacturing of electrical apparatus including transformers. Operations at the site included regional and district administration, engineering services, warehousing, and or repair of electrical apparatus including transformers. Westinghouse ceased using the Emeryville facility for on-site repair of electrical apparatus in 1982, and stopped using the entire facility in 1992. All buildings on the property were razed in May and June of 1993.

A portion of the manufacture, repair, and service activities at the Emeryville facility involved the handling, storage and use of dielectric fluids from transformers, some

of which may have contained polychlorinated biphenyls (PCBs). In addition to dielectric fluids, other chemicals were used or stored on-site. Mineral oil was stored in underground storage tanks at the Site. Unleaded gasoline was stored at the northeast corner of the property in an underground storage tank. The tank was removed in 1988. No soil or groundwater contamination was associated with this tank. The repair and service activities included the use of solvents and degreasing chemicals, such as volatile organic compounds (VOCs) and a caustic wash, for degreasing the parts.

Has the Site Been Adequately Investigated?

The nature and extent of soil and groundwater contamination at the Site has been well characterized. PCBs, low levels of total petroleum hydrocarbons (TPH), VOCs and semi-volatile organic compounds (SVOCs) have been reported in soil and groundwater. In 1996, SOMA used the results of soil and groundwater investigations to conduct a human health risk assessment for the Site.

PCB Aroclor-1260 has been detected in the existing groundwater monitoring wells, although generally at very low concentrations. Recent groundwater monitoring reports conducted by ALTA Geosciences, indicate minor PCB concentration have been reported in groundwater monitoring wells (0.13 ug/l). Historical maximum PCB concentration was detected in groundwater monitoring well D-6 at 21.9 µg/l in December 1988. During recent Site investigation activities conducted by SOMA, numerous soil and groundwater samples were collected beneath the three previously unidentified USTs and one oil sump beneath the Site. The results of laboratory analysis on soil samples collected after removal and excavation of soils up to two-feet beneath the oil sump indicated that the remaining PCBs concentrations are below the recommended Site-specific PCBs cleanup level as required for industrial or commercial land use.

Extensive investigation was also conducted by SOMA in off-site areas immediately north of the Site within the Heritage Square and U.S. Post Office, Emeryville Station sites. This investigation was conducted to evaluate the extent of PCB concentration, if any, in the off-site areas. Results of the off-site investigation indicated that PCB concentrations in the near surface soils are within the acceptable levels for industrial/commercial land use type. Based on SOMA recommendations and concurrence of Alameda County Department of Environmental Health (ACDEH) and the RWQCB a no further action letter was issued by both regulatory agencies on August 7, 1998, see Appendix A.

136 ppm PCB

Have All Contaminant Sources Been Removed or Stabilized?

Based on the results of the human health risk assessment (HHRA) prepared by SOMA in 1996, unacceptable carcinogenic risks and noncarcinogenic health hazards were estimated for hypothetical on-site residents, outdoor workers and construction workers from exposure to PCBs in soil at the far northeast corner of the Site. In 1996, Westinghouse remediated Site soils consistent with the following ~~cleanup~~ goals (the cleanup goal for each specified scenario represents a target risk of 1×10^{-5}), as set forth in the human health risk assessment:

Table ES.1

RISK-BASED PCB SOIL CLEANUP LEVELS

(SOMA, 1996)

SCENARIO	PCB CLEANUP LEVEL (mg/kg)
Residential	0.5
Industrial/Commercial	2.85
Utility Worker	59.3

Cleanup was accomplished within the subject area by excavation and off-site disposal of soils having PCBs greater than 0.5 mg/kg within the top 2 feet, and

PCBs greater than 50 mg/kg within the depths of 2 to 4 feet, as documented in the Site Completion Report (ALTA, 1997). Potential health threats for construction workers during development of the Site has been adequately addressed through the Health and Safety Plan prepared by SOMA (SOMA,1998a&b).

During the initial Site construction activities, three underground storage tanks and one oil sump were discovered at the Site. The Underground Storage Tank Closure Report (SOMA, 1998d) presents detailed results of the soil and groundwater investigation during pre- and post removal of the underground storage tanks, and the oil sump beneath the Site. The report also documents the removal and disposal of three underground storage tanks, the oil sump and excavated soils from the former Westinghouse facility.

At the time of discovery, the three underground storage tanks held water and mineral oil, which was used as a di-electric fluid in transformers. The oil sump may have been used to temporarily store fluids, including mineral oil.

The analytical results indicated relatively high concentrations of PCBs beneath the old oil sump. This is largely due to the low solubility and higher retardation of PCBs in the saturated sediments. The results of laboratory analysis on soil samples collected after excavation of soils up to two feet beneath the oil sump indicated that any remaining PCB concentrations are below the recommended PCB cleanup level of 59.3 mg/kg. The PCB cleanup levels were established in the health risk assessment document prepared by SOMA in 1996. Therefore, SOMA requested a no further action letter for the subject property. On August 7, 1998 both RWQCB and ACDEH issued the no further action letter for the subject Site.

Is the Groundwater Plume Beneath the Former Westinghouse Site Stable?

Based on the site-specific hydrogeological data, the groundwater flow velocity beneath the Site is about 1.13 feet per year. The results of the chemical transport modeling indicate that the off-site migration of the chemicals detected in groundwater during the next 30 years will be negligible. Therefore, the groundwater plume would actually be expected to significantly decrease in overall size, largely due to physical and chemical processes along with intrinsic biodegradation.

The results of the groundwater pumping tests and slug tests conducted by previous consultants indicate that groundwater beneath the Site would not support significant withdrawal rates (less than 200 gallon a day). This is largely due to the low hydraulic conductivity of the saturated sediments. Therefore, based on State Water Board Resolution 88-63, the water-bearing zone beneath the Site is not classified as a drinking water source.

Does the Site Pose Any Current or Future Threats to Public Health?

Based on the results of the HHRA, VOCs in soil and groundwater did not represent an unacceptable risk for any of the exposure scenarios evaluated, specifically, indoor worker, worst-case resident, parking garage attendant, on-site worker, reasonably maximum exposure (RME) resident and construction worker. Almost all of the estimated risk and hazard was attributable to PCBs in soil (greater than 99 percent of the total risk and hazard) for the on-site outdoor worker, RME resident, worst-case resident, construction worker and utility worker.

As discussed previously, Westinghouse remediated PCBs in Site soils consistent with the cleanup goals set forth in the HHRA. Direct exposure to PCBs in soil would primarily occur in the upper two feet of surface soils for all exposure

scenarios evaluated, with the exception of a potential utility worker. The utility worker would have the potential to contact soil and groundwater to a depth greater than two feet during trenching to install underground utilities. Therefore, the cleanup was accomplished within the subject area by excavation and off-site disposal of soils having PCB concentrations greater than 0.5 mg/kg within the top 2 feet of surface soils, thereby allowing unlimited use of surface soil for all potential receptors evaluated. Since the utility worker is the only potential receptor likely to have direct contact with soils below 2 feet, soils having PCB concentrations greater than 50 mg/kg within the depths of 2 to 4 feet, as documented in the Site Completion Report (ALTA, 1997), were excavated and disposed off-site. Potential health threats for construction workers during development of the Site have been adequately addressed through the Health and Safety Plan prepared by SOMA Environmental Engineering, Inc. (SOMA, 1998a&b). This document was prepared by SOMA to be used exclusively by WEBCORE Builders, a subcontractor for Emery Station Associates, LLC, a California limited liability company, during construction activities.

Does the Site Pose Any Current or Future Threats to the Environment?

The former Westinghouse Site and all areas in the immediate vicinity are zoned for industrial/commercial development, and as such, represent highly developed, low quality habitat. Therefore, there are no ecological receptors of concern or sensitive habitats on-site or in the vicinity of the Site.

As discussed previously, the groundwater flow velocity beneath the Site is extremely low and groundwater-modeling results have shown that the off-site migration of groundwater contaminants over the next 30 years would be negligible. Therefore, no impacts to downgradient aquatic receptors or habitats would be expected from any remaining Site contaminants.

Does the Site Pose Any Current or Future Threats to Water Resources?

As discussed previously, the results of the groundwater flow modeling indicate that groundwater beneath the Site would not support significant withdrawal rates (less than 200 gallon a day). Consistent with RWQCB guidelines, the water-bearing zone beneath the Site is not considered to be a potential source of drinking water. Therefore, Site contaminants in groundwater do not represent a potential threat to the beneficial use of aquifer.

Review of geologic cross-sections (see HHRA document of SOMA, 1996) indicate that an isolated perched water bearing zone occurs at 2 to 6 feet below the ground surface. At the northern end of the Site, 12 of the 14 groundwater monitoring wells outside the slurry wall, including the destroyed wells S-2 and D-2 (now named S-2R and D-2R), are set as 6 pairs with one shallow well and one deep well. The shallow wells have 10-foot screened intervals that extend from approximately sea level to 10 feet below sea level in the Recent Bay Mud and underlying silty-sandy-clay. The deep wells are screened from roughly 15 to 25 feet below sea level at the base of the silty-sandy-clay layer. Static water level elevations in the well pairs differ only by an average of 0.2 foot. Generally, the groundwater elevations are slightly lower in the deep wells, but in some pairs the groundwater elevations in the shallow wells are lower than the groundwater elevations in the adjacent deep wells. The small differences in groundwater elevations indicate that the Recent Bay Mud and the various sediment types, considered together as the silty-sandy-clay with sand and gravel lenses, all act as one water-bearing zone. The saturated thickness of the water-bearing zone is 30 to 33 feet. Due to the absence of a consistent vertical downward groundwater flow component, and drinking water aquifers in Emeryville (personal communication with Mr. Ignacio Dayrit, Brownfield Project Coordinator of City of Emeryville), no drinking water sources will be impacted from the Site related residual chemical levels.

Is a Risk Management Plan in Place?

A Risk Management Plan covering Emery Station Associates, LLC (ESA) construction activities addresses precautions that will be taken to mitigate risks to human health and the environment from residual soil and groundwater contaminants during continued Site construction activities. Precautions to be taken during construction will include the following:

- protect construction workers who may directly contact residual contaminants in soil or groundwater (e.g., during Site preparation, grading, foundation construction, or landscape activities) through implementation of the Site Health and Safety Plan prepared by SOMA (SOMA, 1998a&b)
- implement construction impact mitigation measures, including control of dust generation at the Site, decontamination of equipment, prevention of sediment from leaving the Site in storm water runoff, and management of groundwater extracted from excavations;
- implement procedures to protect monitoring wells remaining on the Site, if any;
- implement construction methods that minimize the potential for creating conduits to deeper groundwater zones when driving piles;
- establish procedures to characterize and manage Site soil.

1.0 INTRODUCTION

The former Westinghouse Plant is located in Emeryville, California, approximately 2,000 feet east of the San Francisco Bay, Figure 1-1. The Site is located in an urban, former industrial area, which in recent years has been undergoing extensive redevelopment for commercial uses.

Westinghouse owned and formerly operated a Plant located at 5815 Peladeau Street in Emeryville, California (the "Site"). The facility was used for a variety of purposes, including repair and limited manufacturing of electrical apparatus including transformers. Since 1981, a number of environmental investigations and periodic groundwater monitoring have been performed to assess soil and groundwater quality conditions at the Site. Detection of PCB contamination in soil and groundwater in the northwest portion of the Site led to the construction of a slurry wall and engineered-cap in the fall of 1985, with the purposes of limiting the migration of PCBs in groundwater.

Westinghouse discontinued operations at the Emeryville facility in 1992, and all buildings were removed in 1993. Potential future plan for the Site calls for commercial development. The California Regional Water Quality Control Board (RWQCB) and Alameda County Department of Environmental Health (ACDEH) requested that CBS submit a site closure report to demonstrate that the elements of site closure requirements have been met. On behalf of CBS, SOMA Environmental Engineering, Inc. (SOMA) has prepared this Comprehensive Site Closure Report to:

1. document pre-remediation and pre-construction Site conditions and show that the Site has been characterized sufficiently to make closure decisions;
2. document potential risks to human health and the environment represented by Site contaminants;
3. document remedial activities and summarize evidence that the Site has been adequately remediated to levels set forth in the risk assessment;

4. summarize the health and safety program designed to protect workers during construction and development of the Site;
5. summarize the risk management issues for mitigation of potential human health risks, which should be considered during future and current construction activities.

1.1 Site History

Westinghouse's operations at the Emeryville facility began in 1924, with the construction of Building 24. Two more buildings, Building 37 and 42, were erected on the property in 1937 and 1942, respectively. In the earlier years, the Site was used for limited manufacturing of electrical apparatus including transformers. Operations at the Site also included regional and district administration, engineering services, warehousing, and or repair of electrical apparatus including transformers. Westinghouse ceased using the Emeryville facility for on-site repair of electrical apparatus in 1982, and stopped using the facility entirely in 1992. All three buildings on the property were razed in May and June of 1993.

A portion of the manufacture, repair, and service activities at the Emeryville facility involved the handling, storage and use of dielectric fluids from transformers, some of which may have contained PCBs. In addition to dielectric fluids, other chemicals were used or stored on-site. Unleaded gasoline was stored in a 3,000-gallon underground storage tank at the northeast corner of the Site. The repair and service activities including the use of solvents and degreasing chemicals, such as volatile organic compounds (VOCs) and a caustic wash, for degreasing the parts.

Since 1981, a series of investigations have been conducted to assess surface and subsurface environmental conditions at the Site. These investigations identified residual concentrations of various chemicals in soil and groundwater resulting from past activities at the Site. Pursuant to a Consent Agreement with the United States Environmental Protection Agency, Westinghouse built a slurry wall in 1985, which

encloses the northwest corner of the Site and encircles soil containing PCBs above 50 parts per million (mg/kg). An engineered-cap consisting of three inches of asphalt over 6 inches of aggregate base, and 12 inches of compacted imported clay, was installed over the area enclosed by the slurry wall (Woodward-Clyde Consultants, 1985). CBS continues to conduct annual groundwater monitoring at the subject property.

1.2 Site Hydrogeology

The upper 2 to 4 feet of soil at the Site consists of a sandy clay artificial fill. 3 to 6 feet of black, soft, highly compressible silty clay known locally as "Recent Bay Mud" underlie this formation. The Recent Bay Mud is thickest in the southwest and becomes thinner to the north and to the east. Underlying the Recent Bay Mud is a layer of predominantly stiff, gray to brown, silty to sandy clay, which extends to a depth of approximately 31 to 39 feet below ground surface (bgs). The depth to the contact between the Recent Bay Mud and the underlying clay ranges from approximately 6 to 21 feet bgs in the area of the engineered-cap. The upper part of this layer is comprised of a stiff, gray silty to sandy clay measuring 1 to 4 feet thick. The middle and most voluminous portion of this layer is a brown silty to sandy clay of low to medium plasticity that contains some thin, apparently discontinuous lenses of sands and gravel. The basal portion of the silty-sandy-clay layer is a 2 to 8 feet thick silty to clayey sand with gravel that grades to sand and gravelly sand to the north. Generally, within the entire thickness of the silty-sandy-clay layer, the sand and gravel content appears to increase toward the north and east. The silty-sandy-clay layer is underlain by stiff, over-consolidated silty marine clay known as "Old Bay Mud." The Old Bay Mud is encountered at a depth of about 31 to 39 feet bgs, and it extends to a depth of at least 72 feet bgs at one deep boring location (EMCON, 1993a).

Groundwater is encountered at a depth of approximately 2 to 6 feet bgs at the Site. At the northern end of the Site, 12 of the 14 groundwater monitoring wells outside the slurry wall, including the destroyed wells S-2 and D-2 (now named S-2R and D-2R), are set as 6 pairs with one shallow well and one deep well. The shallow wells have 10-foot screened intervals that extend from approximately sea level to 10 feet below sea level in the Recent Bay Mud and underlying silty-sandy-clay. The deep wells are screened from roughly 15 to

25 feet below sea level at the base of the silty-sandy-clay layer. Static water level elevations in the well pairs differ only by an average of 0.2 foot. Figures 1-2 and 1-3 contain geologically interpreted groundwater contours in those portions of the site where sufficient information is available to allow interpretation. Contours are intended to be qualitative expression of the general potential heads and direction of groundwater flow beneath the Site. Generally, the groundwater elevations are slightly lower in the deep wells, but in some pairs the groundwater elevations in the shallow wells are lower than the groundwater elevations in the adjacent deep wells. The small differences in groundwater elevations indicate that the Recent Bay Mud and the various sediment types, considered together as the silty-sandy-clay with sand and gravel lenses, all act as one water-bearing zone. The saturated thickness of the water-bearing zone is 30 to 33 feet.

Before construction of the slurry wall, the groundwater flow direction in the area now enclosed varied from a northwest direction in the northern portion of the area, to a southwest direction in the central and southern portion of the containment area (EMCON, 1993a). The slurry wall was constructed to penetrate a minimum of 5 feet into the Old Bay Mud. Thus the slurry wall impedes groundwater flow across the entire thickness of the water-bearing zone. The results of semi-annual measurements of groundwater elevations from 1987 to 1998 indicate that the groundwater flow direction is generally toward the west with an average gradient of 0.01 feet/feet. Groundwater levels vary seasonally, reaching a maximum in the winter and a minimum in the summer.

Based on the results of pumping tests conducted by Woodward-Clyde Consultants in 1986, the hydraulic conductivity of the saturated sediments beneath the Site is about 3.27 x 10^{-5} centimeter per second (cm/sec). Aquifer tests also indicated that the hydraulic conductivity of the slurry wall ranges between 9.0 x 10^{-10} to 3.5 x 10^{-8} cm/sec. Given that the average groundwater gradient is .01 ft/ft and the effective porosity of the water-bearing zone is 0.30, the groundwater flow velocity would be .003 ft/day (1.13 ft/year).

The low hydraulic conductivity of the saturated sediments was also reported by EMCON (1995). In August 1995 EMCON attempted to collect groundwater samples using HydroPunch sampling equipment from six locations beneath the former Westinghouse Buildings 42, 37 and 24. The borings were advanced to over 10 feet bgs and they contained very little or no water after installation. In order to sample groundwater, the borings were left in place overnight. However, the next day no water was detected in one of the borings, while one of the remaining five borings did not yield sufficient sample volume to be analyzed for all chemicals of concern.

Based on the low estimated flow velocity beneath the Site (approximately 1.13 ft/yr), it is estimated that chemicals will migrate less than 30 feet from the source area(s) in the next 30 years. In addition to this slow migration, the slurry wall will further impede the migration of chemicals within the slurry wall to off-site areas.

The results of the field investigation and groundwater hydraulic testing indicate that groundwater beneath the Site would not support significant withdrawal rates (less than 200 gallon a day). This is largely due to the low hydraulic conductivity of the saturated sediments and the presence of the slurry wall surrounding a portion of the Site. For this reason, the water-bearing zone beneath the Site was not considered to be a potential source of drinking water. Therefore, in conducting the human health risk assessment (HHRA), discussed in detail in the following Section 3.0, the ingestion of groundwater by a potential future resident and/or occupant was not considered to be a complete exposure pathway and therefore, was not evaluated in the HHRA.

1.3 Report Organization

This report is organized into 6 major sections as follows:

1. **Introduction** - Provides a brief introduction to the Former Westinghouse Facility, a brief description of the Site's history, hydrogeology of the former Westinghouse facility and the organization of this report;

2. **Site Characterization** - Reviews and summarizes the nature and extent of groundwater and soil contamination documented at and adjacent to the Site. This section also presents a summary of site characterization data used in conducting a human health risk assessment. This section also discusses the nature of chemicals and extent of soil and groundwater contamination encountered during recent site investigation activities conducted by SOMA, including a magnetometer survey.

3. **Human Health Risk Assessment** - Evaluates potential human health impacts which might result from exposure to chemical contaminants in groundwater and soil at the former Westinghouse Emeryville Site; establishes risk-based cleanup goals for PCBs in soil; and documents the excavation of PCBs in soil to risk-based levels set forth in the human health risk assessment conducted by SOMA (SOMA, 1996).

4. **Risk Management Plan** - Provides a comprehensive plan for soil management, groundwater management, surface water/sediment management, and protection of workers during all phases of construction.

5. **Conclusion and Recommendation** – Summarizes all components of the site closure plan and discuss different elements of the report and justifies the site closure.

6. **References** – Cites all documents used or references in connection with this report.

2.0 SITE CHARACTERIZATION

This section describes the nature and extent of chemicals found in soil and groundwater beneath the Site. It includes a discussion of chemical data used in conducting human health risk assessment (pre-remediation period) and the results of recent investigation conducted by SOMA. The recent Site investigation involved removal of three previously undiscovered underground storage tanks, one oil sump, a magnetometer survey and conducting extensive soil and groundwater investigation at the subject property.

2.1 Pre-Remediation Period

In 1996, SOMA conducted a human health risk assessment (HHRA) using Site characterization data collected by previous consultants. The results of SOMA's HHRA report indicated an unacceptable human health risk for a portion of the subject property. Based on the recommendation of the HHRA, Westinghouse conducted site remediation by removing PCBs impacted soils at the northeast corner of the property. The following is a brief description of chemicals found in soil and groundwater and their concentration used in conducting the HHRA.

2.1.1 Nature and Extent of Groundwater Contamination

Data collected from groundwater monitoring wells over the past several years was used to evaluate the nature and distribution of chemicals found in groundwater. At present, the monitoring well network contains eight shallow wells (S-1, S-2R, and S-3 through S-8) which are screened approximately 9.5 to 24.5 feet below ground surface. All shallow monitoring wells are within the Site fence, except for S-8, which is located a few feet south of the fence. Also included in the monitoring network are six deep wells (D-1, D-2R, and D-3 through D-6), that are screened approximately between 25 and 40 feet below the surface. These are all within the limits of the Site fence. Two shallow and two deep piezometers are located within the slurry wall/capped area and are monitored for water depth only. All wells and piezometers are constructed with 2-inch diameter PVC casings. Figure 1-2 shows the location of groundwater monitoring wells.

In the early 1980s, Westinghouse conducted a limited groundwater investigation at the Site. To our knowledge, laboratory analytical reports are not available from the early 1980s groundwater sampling events. However, the results of laboratory analysis on groundwater samples collected from nine monitoring wells in March 1983 have been tabulated in Table 2-1, based on data presented in *Westinghouse Emeryville Data Summary Report* (EMCON, October 1993a). All of these wells except W-24 (subsequently renamed D-6) were decommissioned during installation of the slurry wall and engineered-cap (EMCON, 1993a).

As Table 2-1 shows, PCBs were detected in the March 1983 groundwater samples from 5 of the 9 groundwater monitoring wells at concentrations ranging from 1 to 71 µg/l. The highest reported concentrations were in the samples from monitoring wells W-19 and W-17 at 32 and 71 µg/l, respectively. W-17 was located within the area now encircled by the slurry wall. W-19 was located at the extreme northwestern (downgradient) corner of the site. Low PCB concentrations were also reported in monitoring wells W-18 (6 µg/l) and W-22 (3 µg/l), both located within the slurry wall. PCBs were also detected at 1 µg/l in upgradient monitoring well W-24 (now D-2) located at the northeastern corner of the property.

Volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) were also detected in the March 1983 groundwater samples from 8 of the 9 wells sampled (all except W-1). Maximum concentrations of the chemicals reported included benzene (27 µg/l at W-20), chlorobenzene (2800 µg/l at W-20), chloroform (6.1 µg/l at W-17), dichloromethane (methylene chloride) (340 µg/l at W-19), trans-1,2 dichloroethene (trans-1,2-DCE) (610 µg/l at W-22), ethylbenzene (3 µg/l at W-3 and W-24), toluene (7 µg/l at W-24), trichloroethylene (TCE) (34 µg/l at W-18), vinyl chloride (540 µg/l at W-22), 1,3-dichlorobenzene (1,3-DCB) (130 µg/l at W-17 and W-18), 1,4-dichlorobenzene (1,4-DCB)(58 µg/l at W-20), 1,2,4-trichlorobenzene (130 µg/l at W-17), and bis(2-ethylhexyl)phthalate (620 µg/l at W-18).

The current groundwater-monitoring network at the site consists of seven shallow wells (S-1, S-2R, S-3 through S-8) and five deep wells (D-1, D-2R, D-3 through D-6). These wells were monitored bimonthly for PCBs from April 1986 through February 1990 and semiannually for PCBs since March 1991. Since 1996 these wells have been monitored on an annual basis. Selected wells (S-1, S-5, S-6, S-7, D-1, D-5 and D-6) were monitored for VOCs between March 1991 and September 1992 (4 events), and samples from all accessible wells (S-1, S-3 through S-8, D-3 through D-6) were again analyzed for VOCs in November 1994. Wells S-3, D-3, S-4, D-4, and S-8 have thus been sampled for VOCs only once, in November 1994. Wells S-2 and D-2 were destroyed by the City of Emeryville's contractor during construction activities at the adjacent train station prior to the November 1994 sampling event and have never been sampled for VOCs; these wells have recently been replaced with wells S-2R and D-2R. Table 2-2 presents the historical groundwater quality data at the Site.

As Table 2-2 shows, three of the current monitoring wells show elevated concentrations of VOCs: S-5, D-5, and S-7. Both S-5 and S-7 are shallow monitoring wells, screened from approximately 9.5 to 20 feet bgs. Well S-5, located on the northern edge of the property at the northeast corner of the containment area, has the highest reported VOC concentrations, including up to 650 µg/l chlorobenzene, 600 µg/l 1,3-DCB, 450 µg/l 1,4-DCB, 1500 µg/l TCE, 196 µg/l total 1,2-dichloroethene (*cis* and *trans* isomers), and 44 µg/l vinyl chloride. Reported VOC concentrations in well S-7, located approximately 150 feet west of S-5 and adjacent to the containment area, are approximately one to two orders of magnitude less than in S-5, except for benzene (which has not been detected in S-5) and trans-1,2-DCE and vinyl chloride, which have been detected at similar concentrations in both wells.

Groundwater samples that were analyzed for VOCs from well D-5, located adjacent to S-5 but screened in a deeper zone (approximately 25 to 40 feet bgs) have consistently contained carbon tetrachloride (43 to 1.6 µg/l) and chloroform (20 to 0.6 µg/l) at steadily decreasing concentrations. Neither of these chemicals has been reported in adjacent shallow well S-5, except for 1.2 µg/l of chloroform in the March 1991 sample.

PCBs as Aroclor 1260 (PCB-Aroclor 1260) have been detected in every one of the existing monitoring wells, although generally at very low concentrations and only sporadically in some wells see Table 2-2. In over 34 rounds of sampling since April 1986, concentrations exceeding 10 µg/l PCBs have been reported only in wells D-5 (one sample), D-6 (2 samples) and S-1 (one sample). Since March 1991, when dedicated bailers were reportedly put into use for sampling the wells (EMCON, 1995b), the frequency and magnitude of reported PCB concentrations in the monitoring wells has been decreased substantially. Since that time, an even more substantial decrease in PCB concentration in the monitoring wells has occurred. This is largely due to implementing low flow pumping rates during purging of the monitored wells per USEPA approved protocol in 1997.

Five groundwater samples were collected in July 1995 by EMCON (1995c) from depths of 10 to 15 feet bgs beneath former Buildings 24, 37 and 42 using HydroPunch™ sampling equipment. The groundwater sampling locations TP-1 through TP-6 are shown on Figure (2-5). The groundwater sampling attempt at location TP-4 was unsuccessful. The samples were analyzed for VOCs by EPA Method 8240, SVOCs by EPA Method 8270, for PCBs by EPA Method 8080, and for total petroleum hydrocarbons (TPH) as gasoline and benzene, toluene, ethylbenzene and total xylenes (BTEX) by EPA Method 8020. The analytical results are shown in Table 2-3. Groundwater sample TP-2, collected from the southeast corner of the site, was analyzed for VOCs, TPH as gasoline and BTEX only, due to a small volume collected. PCB-Aroclor 1260 was detected at 0.4 µg/l in the groundwater sample collected from TP-1 under the northeast corner of former Building 42. PCB-Aroclor 1260 was also detected at 34 µg/l in groundwater sample TP-6 collected at the southwest corner of the site. Groundwater sample TP-6 was also found to contain 2.7 µg/l endosulfan II and 1.6 µg/l endrin aldehyde. VOCs were detected in groundwater samples collected under former Buildings 24 and 37. Acetone was detected at 45 µg/l in sample TP-2. Groundwater sample TP-6 was found to contain 3 µg/l 1,4-DCB. Chloroform and carbon tetrachloride were both detected at 1 µg/l in sample TP-3 located on the west of former Building 37. No groundwater sample was found to contain SVOCs. However, the groundwater sample collected from TP-2 was not analyzed for SVOCs, and

sample TP-6 required a dilution factor of 5, raising the method reporting limits. The groundwater sample collected at TP-6 was found to contain 61 µg/l TPH as gasoline. Groundwater sample TP-2 was found to contain 56 µg/l TPH as gasoline, 0.8 µg/l toluene, 1 µg/l ethylbenzene, and 0.7 µg/l total xylenes. No analytes were detected in the groundwater sample TP-5 collected beneath former Building 37.

2.1.2 Nature and Extent of Soil Contamination

Numerous soil samples have been collected by EMCOM to characterize the nature of soil contamination beneath the Site. This data has been used to characterize the nature of soil contamination in on and off-site areas. In general, the nature and extent of soil contamination at the Site has been very well characterized.

Chemical analysis results for soil samples collected between 1981 and 1992 by various consultants in the containment area west of Building 42, the concrete slab area north of Building 42, and from two borings at the south end of Building 24 are summarized in Westinghouse *Emeryville Data Report* (EMCON, October 1993). Analysis results for soil samples collected beneath Buildings 24, 37, and 42 are presented in *Soil Characterization Report* and *Soil Characterization, Building* 42 (EMCON, August 30, 1993 and October 27, 1993, respectively). Additional soil sampling results for the concrete slab area north of Building 42 are given in *Additional Site Assessment, Westinghouse Electric Corporation* (EMCON, March 1995a).

The soil samples collected beneath the buildings by EMCON in June and September 1993 were analyzed for PCBs, halogenated VOCs, TPH as gasoline, high-boiling-point hydrocarbons (HBHC; includes TPH as diesel, jet fuel, hydraulic oil, kerosene, and mineral spirits), and BTEX. These results are presented in Figures 2-1 through 2-4 for PCBs, VOCs and petroleum hydrocarbons beneath former Westinghouse buildings. Table 2-4 shows the results of PCB analysis of soil samples previously collected by Brown & Caldwell and Woodward-Clyde Consultants beneath the containment area and the concrete slab area west and north of Building 42. However, soil samples collected from

the area north of Building 42 by EMCON in February 1995 (Figure 2-5) were analyzed for VOCs by EPA Method 8240 as well as PCBs. Two soil samples collected in 1992 by Hart Crowser, Inc. from borings at the southern end of Building 24 were analyzed for TPH as gasoline and diesel, BTEX, and PCBs (Figures 2-1 through 2-4).

Surface soil samples collected by Brown and Caldwell (1981) in the northwest portion of the Site, within the area now enclosed by a slurry wall and covered by an engineered-cap, were reported to contain PCB concentrations of up to 35,000 mg/kg. Additional soil sampling (183 soil samples from 40 borings; see (Table 2-4) indicate that PCB concentrations generally decreased rapidly with depth, from a maximum of 37,000 mg/kg in the upper one foot of soil (at B-9) to a maximum of 4,700 mg/kg below a depth of 5 feet (W-17 at 6.0 feet bgs) and a maximum of 430 mg/kg below a depth of 10 feet (WCC-5 at 11.0 feet bgs). Only 2 of 25 soil samples collected below a depth of 15 feet were reported to contain PCB concentrations exceeding 15 mg/kg (170 mg/kg at B-6 at 27 feet bgs and 70 mg/kg at W-17 at 21.5 feet bgs). At many locations, PCBs were not detected below a depth of 5 to 10 feet bgs.

North of Building 42, soil samples from ten soil borings (B-30 through B-36 and ES-1 through ES-3) contained PCBs at concentrations of up to 450 mg/kg at a depth of approximately two feet. PCB concentrations generally decreased rapidly with depth, although a concentration of 80 mg/kg was reported at a depth of 5 feet at one location (Table 2-4). Subsequent sampling in this area by EMCON in February 1995 indicated much lower PCB concentrations, not exceeding 15 mg/kg, as well as low concentrations of acetone, methyl ethyl ketone (MEK), toluene, chlorobenzene, and tetrachloroethene (PCE) (Figure 2-1). EMCON collected soil samples at a depth of approximately 3 to 5 feet bgs.

Generally, soil samples collected beneath the building slabs at depths of approximately 1.5 and 3 feet bgs did not contain significant concentrations of PCBs, petroleum hydrocarbons, or VOCs. Low concentrations of PCBs (generally less than or equal to 2.2 mg/kg) were reported in 8 of 16 soil samples collected from beneath Building 42; one

sample collected at a depth of 3.5 feet had a reported PCB concentration of 46 mg/kg (Figure 2-2). Beneath Buildings 37 and 24, only two of 45 soil samples contained detectable concentrations of PCBs, both at 1 mg/kg or less.

TPH, primarily as hydraulic oil, was reported in 24 of 61 soil samples collected beneath the building slabs at concentrations ranging from 8 to 9400 mg/kg (Figure 2-4). Three samples contained petroleum hydrocarbons at concentrations exceeding 1000 mg/kg and three others exceeded 100 mg/kg. In addition, soils samples collected from two soil borings adjacent to the south end of Building 24 were reported to contain diesel at concentrations of 90 and 1100 mg/kg at depths of 6.5-7.0 and 8.5-9.0 feet bgs, respectively (Figure 2-4). Gasoline at 69 mg/kg was also reported in a soil sample collected at 8.5 - 9 feet bgs south of Building 24.

VOCs were reported only in three of 61 samples collected beneath the building slab (Figure 2-6). Three samples from two borings beneath Building 42 were reported to contain chlorobenzene at concentrations of up to 1.8 mg/kg, while one sample was reported to contain 1,2-DCB, 1,3-DCB, and 1,4-DCB at concentrations of 0.4, 6.6, and 15 mg/kg, respectively. Ethylbenzene and xylenes were also reported (at concentrations of 0.097 and 0.022 mg/kg) in a sample collected from boring EB-1 at the south end of Building 24.

Near surface soil samples collected in July 1995 by EMCON (1995c) beneath the former buildings and the concrete slab at 17 locations (B1 through B17) see Figure 2-7) were analyzed for SVOCs by EPA Method 8270. The analytical results are presented in Table 2-5. SVOCs were detected in the northern half of the Site and under former Building 24. Soil sample B2-2.0 was found to contain 0.3 mg/kg of bis(2-ethylhexyl) phthalate. Bis(2-ethylhexyl)phthalate was also detected in soil sample B14-2.8 at 0.5 mg/kg, in soil sample B15-2.0 at 1.3 mg/kg, in soil sample B17-2.5 at 0.7 mg/kg, in soil sample B11-1.5 at 0.3 mg/kg, and in soil sample B10-1.5 at 0.4 mg/kg. Soil sample B11-1.5 was also found to contain 0.5 mg/kg 1,2,4-trichlorobenzene. Soil sample B8-2.0 was found to

contain 0.5 mg/kg each fluoranthene and pyrene, and 0.4 mg/kg benzo(g,h,i)perylene. Soil sample B9-1.5 was found to contain 4 mg/kg of 1,3-DCB.

2.2 Residual Soil PCB Levels and Rationale for Soil Remediation

In August 1996, Westinghouse conducted extensive Site remediation by removing PCB impacted soils from the northeastern corner of the property (ALTA Geosciences, 1997). Remediation Criteria for the August, 1996 Soil Remediation were selected based upon the Baseline Human Health Risk Assessment (SOMA Environmental Engineering, Inc., February, 1996) as:

1. 0.5 mg/kg PCBs from the ground surface to a depth of 2 feet (residential criteria).
2. 50.0 mg/kg PCBs from a depth of 2 feet to a depth of 4 feet (site worker criteria).

Below a depth of 4 feet, the adverse risks to human health were not considered significant and no remediation was required. At the direction of Westinghouse the remediation goal of 50.0 mg/kg was set for the soils between a depth of 2 to 4 feet bgs. This cleanup level is lower than the 59.3 mg/kg cleanup levels initially determined in the HHRA document (SOMA, 1996).

The soil remediation area was about 230 feet by 100 feet. Figure 2-8 shows the soil remediation area. The soil remediation was performed in August and September 1996. As described in the Completion Report, (ALTA Geosciences, 1997) remediation goals were met throughout the excavation bottom, either by excavation until confirmation sampling indicated that the excavation bottom was less than the remediation criteria, or by excavation to at least 4 feet bgs. As can be seen on Figure 2-9, excavation in a few grids continued to a depth of 5 or 6 feet bgs. This is deeper than the required excavation depth and was directed by Westinghouse in order to attempt to remove as much of the soil above the remediation goal as practicable. Excavation beyond a 6-foot depth was found to be impractical due to groundwater inflow (groundwater was encountered in the excavation at a depth of about 4 feet bgs). As shown on Figure 2-

10, a few such grids excavated below groundwater contain PCB concentrations exceeding 50 mg/kg. However, reference to Figure 2-9 shows that in all such cases the excavation in that grid square was continued beyond the 4 foot depth criteria in an effort to meet the 50 mg/kg criteria.

2.3 Post-Remediation Period

Subsequent to Site remediation by Westinghouse, ESA LLC, the future owner of the Site, hired WEBCORE Builders (WEBCORE) to develop a portion of the property into an office building. WEBCORE in April 1998, retained SOMA to conduct worker and community air quality exposure assessment during excavation and pile driving activities at the construction Site, see SOMA April 6, and July 7, 1998 documents.

Prior to pile driving activities, as part of Site preparation for construction, WEBCORE hired DECON Environmental (DECON) to excavate near surface soils and dig trenches for construction purposes. During excavation activities, DECON encountered PCB and petroleum impacted soils. For off-site disposal purposes DECON sampled excavated soils in order to identify various disposal options. The soil samples were analyzed for PCBs, petroleum hydrocarbons, VOCs, SVOCs and metals. Appendix B presents the soil sampling location from different piles and results of laboratory analysis of excavated soils. In general soils excavated from the western portion of Site were relatively cleaner than the soils excavated from the eastern portion of the property. During the early phase of Site construction activities, approximately 22,300 tons of soil were excavated and -hauled to a Class III landfill at Altmont Landfill facility in Livermore, California.

On May 1, 1998, during construction activities, two underground storage tanks (USTs) were discovered. UST-1 and UST-2 each with a capacity of 18,000 gallons were discovered side by side inside a concrete vault. Following the tank discovery, representative product samples were collected and sent to laboratory for identification of tank contents. The result of laboratory analysis revealed that the content of both tanks was water with trace amounts of mineral oil. Mineral oil is commonly used as a dielectric

fluid in transformers. Mineral oil is a highly refined petroleum product having many industrial uses. Because of its lack of toxicity and environmental impacts, it is widely used in the pharmaceutical and food industries. After discovery of UST-1 and UST-2, a tank closure plan was prepared by SOMA and submitted to Alameda County Department of Environmental Health (ACDEH). On May 7, the tank closure plan was approved by ACDEH.

On May 8, 1998 the construction crew discovered UST-3 when a backhoe operator accidentally hit a pipe connected to the tank. The tank was a 5,000-gallon steel tank located southeast of the Property and unlike UST-1 and UST-2 it was buried in the ground rather than sitting inside a vault. Following the discovery of UST-3, a representative product sample was collected from the tank and sent to the laboratory for identification of the product type. The results of laboratory analysis revealed that product inside UST-3 like UST-1 and UST-2, was also water with a trace amount of mineral oil. A separate tank closure plan was subsequently prepared for UST-3 and submitted to ACDEH for approval. On May 11, 1998 ACDEH approved the closure plan for UST-3. SOMA (1998) report entitled "Underground Storage Tank Closure Report" includes the ACDEH's approved USTs Closure Plans.

On June 8, 1998 a sump located at northern end of the Property was discovered. Figure 2-11 shows the locations of USTs and the oil sump. The sump was made of concrete and its dimensions were about 9 feet wide, 23 feet long and 6 feet deep. At the time of discovery, it contained clear water to an approximate depth of 2.5 feet with very minor strings of an oily sheen.

The following is a brief description of the analytical results of soil and groundwater samples collected during tank and sump closure activities.

2.3.1 Results of Additional Site Characterization

Petroleum products, namely TPH-diesel and motor oil, were detected throughout the areas surrounding the USTs. These petroleum products were reported as TPH diesel and motor oil, although they did not closely match the analytical standards for either. Based upon the site history, it is believed that these products are associated with mineral oil, which was used in manufacturing and repair of transformers at the facility. The results of laboratory analysis on product samples collected from UST-1 showed diesel and motor oil contamination at 7.0 and 0.97 mg/l, respectively. Similarly, concentrations of the reported diesel and motor oil in product samples from UST-2 were 5.3 and 1.3 mg/l, respectively. Based on the analysis of a sludge sample collected from inside UST-3, diesel contamination was reported as 8.9 mg/kg, while the motor oil concentration was detected at 13.9 mg/kg, see Figure 2-12. The result of laboratory analysis on a water sample collected from inside of the old sump showed 0.6 mg/l of diesel and 0.95 mg/l of motor oil, see Figure 2-12. TPH-diesel and TPH-motor oil in the sample collected from the excavation pit underlying UST-1/UST-2 were 1,430 and 1,260 mg/kg respectively. TPH-diesel and TPH-motor oil concentration in the sample collected beneath UST-3 were 100 mg/kg and 70 mg/kg respectively (see Figure 2-11). Concentrations of TPH-diesel and TPH-motor oil in a composite soil sample collected from stockpiled soils near the UST-3 were 35 mg/kg and 50 mg/kg, respectively. In the soil samples collected beneath UST-3 (at the northwest of UST-3), concentrations of TPH-diesel and TPH-motor oil ranged between 4.3 to 5.0 mg/kg and 16.5 to 20 mg/kg, respectively. In a soil sample collected adjacent to UST-3 the concentrations of TPH-diesel and TPH-motor oil was 2.2 and 3.5 mg/kg, respectively. Concentrations of TPH-diesel and TPH-motor oil in a soil sample collected beneath UST-2 were 30.8 and 35.3 mg/kg, respectively.

The analytical results for soil samples collected beneath the bottom of the oil sump (after removing the concrete bottom of the sump) indicated 25 mg/kg of TPH-diesel and 22 mg/kg of TPH-motor oil, respectively.

The concentration of TPH-diesel in the two grab groundwater samples collected beneath the old sump at its north and south end were 20 mg/l and 25 mg/l, respectively. The concentrations of TPH-motor oil in the same samples were 32 mg/l and 22 mg/l. The analytical results for soil samples collected after removal of the sump did not indicate the presence of either TPH-diesel or TPH-motor oil. Table 2-6 shows the results of laboratory analysis on soil and groundwater samples collected during post-remediation activities around the USTs and the sump.

The result of laboratory analysis on a sample collected from the liquid leaking from UST-3's connector pipe showed TPH-diesel and TPH-motor oil concentrations at 0.383 and 0.332 mg/l, respectively. Figure 2-12 shows the approximate location of the liquid sample. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in any of the product/water or soil samples.

The result of laboratory analysis on a soil sample collected beneath the pipe connecting UST-2 to the former loading dock showed 330 and 261 mg/kg of TPH-diesel and TPH-motor oil, respectively. The concentrations of TPH-diesel and TPH-motor oil in the soil sample collected beneath the unknown pipe were 670 and 480 mg/kg respectively. In another soil sample collected adjacent to 59th Street under an unknown pipe in the proximity of the truck loading dock, the concentrations of TPH-diesel and TPH-motor oil were at 13.9 and 15.1 mg/kg, respectively.

TPH-diesel and TPH-motor oil, which are believed to be mineral oil, were detected in groundwater seeping below the bedding of the unknown pipe adjacent to the 59th Street. The concentrations of TPH-diesel and TPH- motor oil in the groundwater sample were 12.7 and 9.2 mg/l respectively. Figure 2-13 shows the location of the soil and groundwater samples collected by SOMA.

PCBs as Aroclor 1260 in water or product samples collected from the connector pipe to UST-3 were detected at 0.28 parts per billion (ppb). PCBs were also detected in stockpiled

soils around UST-3 with a maximum concentration of .075 mg/kg. In a sludge sample collected beneath UST-3 at the south of excavation pit, PCBs were detected at a maximum concentration of .094 mg/kg (see Figure 2-12). PCBs were detected under the 2-inch diameter unknown pipe at a maximum concentration of 3.87 mg/kg. In a soil sample adjacent to the former truck loading dock, PCBs were detected at a 3.23 mg/kg. These samples were collected at 4.5 feet bgs.

The maximum PCBs concentration was 380 mg/kg from a soil sample collected beneath the old sump at the north end below the concrete bottom at 7.5 bgs. The PCB concentration in an unfiltered groundwater sample at this location was 4.44 mg/l. Aroclor-1260 was also detected at 11.6 mg/kg in a soil sample collected at the south end of the old sump at 7.5 feet bgs. The result of laboratory analysis on an unfiltered groundwater sample at the same location where the soil sample was collected showed an Aroclor -1260 concentration of 1.22 mg/l (see Figure 2-13).

The second highest concentration of Aroclor-1260 occurred at 6 feet bgs and was detected in a soil sample collected from boring B-9 at 20 mg/kg. In the same soil boring Aroclor-1260 was detected at 14 mg/kg at 8 feet bgs. The results of laboratory analysis on a soil sample collected at 10 feet bgs at soil boring B-9 did not indicate the presence of Aroclor-1260, see Figure 2-15. The concentration of PCB-1260 around the sump ranged between ND and 20 mg/kg.

Aroclor-1260 was detected in five out of nine groundwater samples collected from the soil borings around the sump. The analyses were conducted on filtered groundwater samples and PCBs concentration ranged between non-detect to 590 µg/l, see Figure 2-16. No Aroclor-1260 was detected in groundwater samples collected at downgradient soil borings from the sump. This confirms the low mobility and higher retardation coefficient of the PCBs in the saturated sediments beneath the site.

The results of laboratory analysis on the confirmatory soil samples collected beneath the sump excavation pit at 9.5 feet bgs did not indicate significant (less than 7.1 mg/kg) levels

of PCBs concentrations. As shown in Figure 2-17, the reported soil concentration of PCBs beneath the excavation pit of the oil sump ranged between non-detect to 4 mg/kg.

In addition, the results of laboratory analysis on soil samples collected at 10 feet bgs did not indicate elevated levels of PCBs beneath the old sump. At the 10-foot depth, PCBs were detected in 4 out of 8 soil borings. The reported concentration of PCBs ranged between .088 and 0.44 mg/kg. The reported concentration of PCBs at 10- foot depth does not support the presence of a free PCB pool as dense non-aqueous phase liquid (DNAPL) beneath the sump.

Table 2-4 presents the results of laboratory analysis on soil and groundwater samples collected during the on-site investigation by SOMA.

Aroclor-1260 was detected in four out of the nine soil samples collected around the USTs. The concentration of PCBs in soil samples ranged between 0.075 mg/kg and 2.04 mg/kg.

Samples collected from inside and outside of UST-3 and beneath the UST-2 excavation pit were analyzed for the presence of heavy metals. Lead concentrations ranged between 7.0 mg/kg inside UST-3 and 12.9 beneath UST-1/UST-2. Barium concentration ranged between 44.5 mg/kg to 217 mg/kg. Other metal concentrations did not exceed 50 mg/kg at any location.

To further evaluate the nature and extent of free-phase mineral oil in groundwater reported around the two-inch diameter unknown pipe, on June 28, 1998 two additional soil borings (SB-9 and SB-10) were drilled along the former truck loading dock. Figure 2-14 shows the location of these soil borings. Borings were installed after cutting through a concrete slab below the former truck loading dock. The borings were drilled to a total depth of 12 feet bgs. At two soil boring locations, a minor sheen of free-phase mineral oil product was observed at the top of groundwater. Groundwater was observed at 1-foot below the concrete slab. Due to the fact that floating product has not been present in the excavated construction trenches in close proximity of the truck loading dock and that the observed

thickness of the free-phase mineral oil is quite insignificant (sheen of product) it is believed that the extent of free-phase product is quite limited.

After discovery of three underground storage tanks in Parcel 1, per request of RWQCB and ACDEH, SOMA hired Cruz Brothers, Locators, Inc. of Milpitas California to conduct magnetometer tests at the subject property. On May 14, 1998 Cruz Brothers conducted the field investigation at the facility including Parcels 1, 4 and 2, see figure 2-11 for parcel locations. The result of the magnetometer test did not reveal the presence of additional unidentified USTs or underground metallic objects.

2.4 Off-Site Investigation

After removing PCB impacted soils from the northeastern corner of the Site, see Figure 2-8, ALTA Geoscience, Inc. collected confirmatory soil samples from the North, East and West walls of the excavation. The west wall of the excavation borders the EPA-ordered TSCA containment cell and therefore the sidewall confirmation test results for the west wall will not be further discussed here. The sidewall sample results from the North and East walls are discussed below.

2.4.1 East boundary

Sidewall soil confirmation samples along the eastern boundary of what is now known as Parcel 4 were taken at a depth of 1.0 feet bgs (see Completion Report, ALTA (1997) Table 3-3). The nine soil sample results ranged from non-detect (less than 0.5 ppm PCBs, 6 samples) to a maximum of 8.2 ppm PCBs. Based on the approved workplan by the Regional water Quality Control Board, dated April 23, 1998 no further subsurface sampling east of the eastern boundary was conducted.

2.4.2 North Boundary

Twenty-two sidewall samples were collected from the north sidewall of the excavation, all from a depth of 2 feet. Sample results ranged from non- detectable (less than 0.5 ppm PCBs) to 93 ppm. Fourteen out of the 22 excavation bottom samples contained

less than 0.7 ppm PCBs, and only four bottom samples exceeded 10 ppm PCBs (Alta Geosciences 1996).

Based on the above observations, on April 23, 1998 a Workplan was submitted to ACDEH and RWQCB to conduct further off-site investigation to determine any impacts on areas immediately north of the Site; namely Heritage Square and U.S. Postal Services properties. On June 8, 1998 a meeting was held at SOMA offices to further discuss the off-site investigation and other related issues. Participants in the meeting were representatives of RWQCB, ACDEH, City of Emeryville, CBS and SOMA. Representatives of RWQCB and ACDEH approved the off-site investigation work plan with some modifications. Representatives of both agencies indicated that the number of proposed off-site soil borings along the northern boundary should be increased from three (proposed in workplan) to eight in order to fully characterize the extent of off-site contamination with respect to PCBs.

2.4.3 Field Investigation

Field activities were conducted based on an approved work plan by the RWQCB and ACDEH. On June 23, 1998 at the request of ESA, LLC, the future owner of the former Westinghouse facility, two composite soil samples and one groundwater sample were collected from Heritage Square, see Figure 2-18. The samples were collected from an open pit within the parking lot north of the former Westinghouse facility. The samples were analyzed for PCBs and total petroleum hydrocarbons using USEPA Methods of 8080 and 8015 Modified.

On June 28, 1998 according to the approved work plan, SOMA drilled eight soil borings along the outside of the Property's northern boundary. SOMA drilled four soil borings in the Heritage Square property and another four borings in the U.S. Postal Services property. Figure 2-18 shows the location of off-site soil borings. Soil borings were drilled by hollow stem auger to a maximum depth of 5 feet and soil samples were collected at 0.5

foot and 4 feet below ground surface (bgs). The samples were analyzed for PCBs using USEPA Method of 8080. Figure 2-19 shows the results of laboratory analysis.

On July 10, 1998 two discrete confirmatory soil samples were collected at 2 and 4 feet bgs around the open pit in Heritage Square. The soil samples were submitted to Priority Laboratory of Santa Clara for analysis using USEPA Method of 8080. Figure 2-19 shows the results of laboratory analysis.

In 1993, EMCON and Associates (EMCON) conducted extensive site investigation to evaluate the nature and extent of soil contamination beneath the Property. SOMA used the results of this investigation to conduct a baseline human health risk assessment. Based on the EMCON site investigation data elevated levels of petroleum hydrocarbon were detected at the southeast corner of the property. Historical site information did not reveal a possible on-site source of the petroleum hydrocarbons. Currently, a Unocal 76 gas station is operating on upgradient area directly east of soil sampling locations where elevated levels of petroleum hydrocarbons were detected.

In order to evaluate the possible source(s) of petroleum hydrocarbons at this area two soil borings were drilled between the Unocal 76 service station and Parcel I of the Property. On July 21, 1998 SB-11 was drilled to a depth of 20 feet bgs at the western corner of intersection of Peladeau Street and Powell Street. SB-12 was drilled at the eastern corner of the Peladeau Street and Powell Street adjacent to the Unocal 76 service station. Figure 2-20 shows the location of additional soil borings drilled off-site at the southeastern corner of Parcel 1. The soil samples were collected at 5-foot intervals and submitted to the Priority Laboratories for analysis using USEPA Methods of 5030 and 8015 modified.

2.5 Results of Off-Site Investigations

The results off-site investigations in the Heritage Square property and U.S Postal Service station did not indicate the presence of elevated levels of PCBs in soil samples collected from eight shallow soil borings. The concentration of PCBs as Aroclor 1260 in soil

samples collected from the eight soil borings ranged between non-detect and 3.8 mg/kg. The concentration's of Aroclor 1260 in the two composite soil samples collected from the open pit in the parking lot adjacent to the northern property line of the former Westinghouse facility were 136 ppm and 4.1 mg/kg. The 136 mg/kg Aroclor 1260 concentration was detected in shallow composite soil sample (collected from between 0 to 2 feet bgs) while the 4.1 mg/kg concentration was detected in the deep composite soil sample (collected from between 2 to 4 feet bgs). Two confirmatory discrete soil samples collected from the same depth interval did not confirm the elevated levels of Aroclor 1260 concentration around open pit area. The concentrations of Aroclor 1260 in the two discrete soil samples were 3.5 and 7.0 mg/kg. The concentration of PCBs in the unfiltered groundwater sample collected from the open pit was 0.132 mg/l.

The concentration of total petroleum hydrocarbons as diesel and motor oil in soil samples collected from the open pit in the Heritage Square ranged between 70 and 156 mg/kg and 300 to 350 mg/kg respectively. The concentration of total petroleum hydrocarbons as diesel and motor oil in the groundwater sample collected from open pit was 0.72 and 1.9 mg/l. See Figure 2-19.

The results of laboratory analysis on soil samples collected from SB-11 and SB-12 drilled at the intersection of Peladeau Street and Powell Street at the southeastern end of property did not detect petroleum hydrocarbons. However, the concentration of total petroleum hydrocarbons as gasoline in the groundwater samples collected from SB-11 and SB12 were 1,500 and 1,200 micrograms per liter. Concentrations of benzene, ethylbenzene, and xylenes were also detected in groundwater samples collected from SB-11 and SB-12. Benzene was detected at a concentration of 3.2 micrograms per liter at both locations. The concentration of ethylbenzene ranged between 4.7 and 13 microgram per liter and that of xylene ranged between 3 and 19 microgram per liter. Table 2-7 presents the results of the laboratory analysis.

2.6 Summary of Recent Site Investigation

The following are the results of our recent on and off-site investigations at the former Westinghouse property:

1) Analytical results for soil and groundwater samples collected in the vicinity of the former USTs and sump indicated that post-excavation soil and groundwater samples contained low concentrations of diesel, motor oil and PCBs. The results of laboratory analysis did not indicate significant concentrations of heavy metals, volatile organic compounds, or semi-volatile compounds beneath the Site.

2) Groundwater grab samples contained PCBs (specifically, Aroclor-1260 and petroleum hydrocarbons). The petroleum hydrocarbons were reported as both TPH-diesel and TPH-motor oil. However, the site-related petroleum hydrocarbons did not closely match the analytical standards for either diesel or motor oil. Based on site history and scoping information, it was determined that mineral oil was stored in the on-site USTs since it was used commonly as a dielectric fluid in transformers. Mineral oil is a highly refined petroleum product having many industrial uses. Because of its lack of toxicity and environmental impacts, it is widely used in the pharmaceutical and food industries. Based on the analytical method used and available laboratory petroleum product standards, the mineral oil detected in groundwater at the Property is reported as diesel and motor oil even though the environmental fate and toxicity of the mineral oil is negligible. This is not to suggest that mineral oil is similar to diesel or motor oil, but simply provides a framework for assessing the total amount of hydrocarbons present. Due to the higher retardation coefficient of PCBs and heavy petroleum products, chemical concentrations generally decreased with distance from the USTs excavation pit in the downgradient direction of the groundwater flow.

3) The sporadic distribution of PCBs (generally in the form of Aroclor 1260) in soil and groundwater is attributed to on-site operation of the former Westinghouse facility and does not appear to be originating from the former USTs.

4) PCBs as Aroclor 1260 were detected in higher concentrations in pre-excavated soil samples collected around sump. The maximum pre-excavation PCBs concentration was at 380 mg/kg beneath the sump. However, the maximum PCBs concentration in the post-excavated soil samples was only 20 mg/kg. The maximum detected PCB concentration of 20 mg/kg is below the recommended cleanup levels established in the baseline HHRA prepared by SOMA (SOMA, 1996).

5) The results of laboratory analysis on soil samples collected at a 10-foot bgs suggested that no pure phase PCBs as DNAPL exists beneath the sump. Only 4 out of 8 soil samples collected at 10 feet depth showed minor concentrations of PCBs. The Aroclor-1260 concentration at a 10 foot depth ranged between .088 mg/kg to .44 mg/kg;

6) Results of the on site investigation indicated the presence of a thin layer of free-phase petroleum hydrocarbon (most likely mineral oil) as a sheen at the top of the water table beneath the former truck loading dock area. However, due to the low toxicity and the impracticality of removing such a thin layer of free-phase product it does not warrant further remediation.

7) In the summer of 1996, CBS conducted an extensive site remediation based on the recommendation of the HHRA conducted by SOMA. The site remediation involved removing elevated levels of PCBs from the northern end of the Property. Due to the current site investigation and source removal activities conducted by SOMA in connection with removal of USTs and the sump, it appears that the site can be categorized as a low risk facility, which is to be sold to ESA, LLC.

8) The results of off-site investigation at the northern end of the property within Heritage Square and the U.S. Postal Service of Emeryville indicated that concentrations of PCBs as Aroclor 1260 are below the recommended human health risk levels for intended site's future land use. The results of laboratory analysis on soil samples collected from two soil borings at the southeastern corner of the Parcel I, did not establish the source of petroleum hydrocarbons discovered at this location.

3.0 HUMAN HEALTH RISK ASSESSMENT

This section summarizes the procedure and findings discussed in the SOMA (1996) baseline human health risk assessment document. The site characterization data discussed in section 2.1 and 2.2 was used in conducting the site-specific human health risk assessment at the subject property. The objective of this section is to establish a framework in order to compare the current contaminant levels found in soil and groundwater with the recommended levels in the baseline human health risk assessment document. Detailed information can be found in the HHRA for the Former Westinghouse Facility (SOMA, 1996).

3.1 Site Scoping Information

Based on available Site information discussed in Section 2.1 and 2.2, past facility operations resulted in the contamination of surface soils with PCBs adjacent to the western side of Building 42, now known as Parcel 2. Currently, this entire area is covered by an engineered-cap. Consequently, no complete exposure pathway exists for current land use receptors. Future land use plans are limited to parking surface that will not disturb the existing engineered-cap.

Elevated levels of PCBs were detected in the area just north of Building 42. Since concrete slabs covered the contaminated soils, no potential existed for direct exposure to soils beneath the buildings under the land use conditions at that time. However, soil contaminants were evaluated under future use exposure scenarios, assuming that the concrete slab and building foundations would not exist.

Groundwater beneath the Site is shallow and is encountered approximately 2-6 feet bgs. Because VOCs occur just below the surface, on-site receptors could be exposed to volatile emissions in the ambient air both outdoors and indoors. Future use exposures would include inhalation of volatile emissions from both shallow groundwater and impacted soils. Due to the restricted water-yielding capacity of saturated sediments (less than 200 gallon a day) the utilization of groundwater as drinking water would not

be likely (i.e., there is no beneficial use of groundwater directly beneath and in the vicinity of the Westinghouse Site).

Finally, the site and surrounding areas are zoned for industrial/commercial use and represent highly developed, low quality habitat with no threatened, endangered or sensitive species of concern. Therefore, no complete exposure pathways exist for ecological receptors and potential ecological impacts will not be evaluated further.

3.2 Approach for Evaluating Site-Specific Risks

The following section describes the overall approach used to 1) identify potential exposure pathways and receptors; and 2) estimate potential risks associated with Site contaminants.

3.2.1 Identification of Potential Exposure Pathways

The primary COPCs identified in on-site soil are volatile organic compounds, semivolatile organic compounds, and PCBs. Contaminated soil is covered by an engineered-cap and concrete slabs, thereby eliminating any potential for direct exposure under current land use conditions. As discussed previously, the existing engineered-cap will remain in place under all future land use plans. However, in the future, it is conceivable that the concrete slabs may no longer exist. Then, future on-site receptors could be exposed to soil contaminants through incidental ingestion, dermal contact, inhalation of soil particulates, and inhalation of volatile emissions from soil. In addition, future off-site receptors could be exposed to soil contaminants through inhalation of suspended soil particulates and volatile emissions. Based on the surrounding land use and zoning, this Site and the surrounding property will most likely remain as industrial/commercial. Future use exposures will be evaluated for an industrial/commercial exposure scenario (i.e., on-site and off-site worker). However, for comparison purposes, future use exposures will also be evaluated for the residential exposure scenario (i.e., on-site and off-site adults and children).

Groundwater occurs approximately 2-6 feet bgs, and currently, there is no potential for direct contact with groundwater (i.e., ingestion and dermal contact) either on-site, or off-site. However, volatile emissions from groundwater can migrate to the soil surface and into the ambient air providing a potentially complete exposure pathway in air through the inhalation route of exposure. Therefore, potential human receptors both on-site and downwind (e.g., off-site) of the Westinghouse Site may be impacted from inhalation of volatile emissions from the groundwater. This risk assessment evaluated risks for potential inhalation of volatile emissions in both indoor and outdoor air for hypothetical workers (industrial/commercial scenario) and residents (hypothetical adults and children).

3.2.2 Identification of Potential Receptors

Currently, the Site and the surrounding land are zoned for industrial/commercial use. There are no potential receptors on-site presently, but in the future, it is possible that the property would be developed for industrial/commercial uses. A hypothetical worker was therefore evaluated with potential exposure to Site contaminants from ingestion of surface soil, dermal contact with surface soil, inhalation of suspended soil particulates, and inhalation of volatile emissions from soil and groundwater. An indoor worker scenario was evaluated assuming that a commercial building was located directly above the groundwater plume "hot-spot", thereby maximizing potential emissions from both soil and groundwater through the foundation and into the indoor air. An indoor worker scenario was also evaluated for a parking garage assumed to be located directly above the groundwater "hot-spot" (i.e., a parking garage attendant). Finally, a construction worker scenario was evaluated that assumed a worst-case exposure of an outdoor worker for a period of three months. All worker scenarios were based on the engineered-cap remaining in place.

The use of the property for residential purposes was also considered. To evaluate this scenario, adult and child receptors (i.e., the reasonably maximum exposure (RME) resident) were assumed to be exposed to Site contaminants through ingestion of soil, dermal contact with soil, inhalation of soil particulates, and inhalation of volatile

emissions from soil and groundwater. The "worst-case" residential scenario was also evaluated by assuming that a home was located directly above the groundwater plume "hot-spot", thereby maximizing indoor air concentrations of volatile emissions from soil and groundwater. All residential scenarios were based on the engineered-cap remaining in place. Figure 3-1 shows the conceptual site model used in conducting the HHRA. The conceptual site model developed for the site is based on the previous Site investigations and integrates the Site's geology, hydrogeology, contaminant distribution, and migration pathways to potential human receptors.

3.2.3 Exposure Assessment

The exposure assessment describes how human receptors come into contact with chemical contaminants and presents the methodology for determining how much of a contaminant a person contacts. This was accomplished by establishing both exposure scenarios and exposure routes.

3.2.4 Exposure Scenarios to be Evaluated

The occupational and residential exposure scenarios, described in detail previously, were established as reasonable maximum exposure (RME) scenarios. The EPA (1989) defines the RME as the highest exposure that is reasonably expected to occur at a Site. The intent of the RME is to estimate a conservative exposure that is still within the range of possible exposures. Intake variables and exposure parameters were selected so that the pathway-specific exposure represented a reasonable maximum set of exposure conditions. The RME exposure parameters were consistent with the EPA guidance on default exposure parameters (EPA 1991).

3.2.5 Exposure Point Concentrations

For soil chemicals of potential concern (COPCs), maximum reported soil concentrations of VOCs and SVOCs were used as representative exposure point concentrations for direct contact (incidental soil ingestion and dermal contact). The 95-percent upper confidence limit (95% UCL) of the arithmetic mean PCB soil concentration was used as

the exposure point concentration for direct contact. Only PCB concentrations outside of the engineered-cap area were used to estimate the 95% UCL PCB soil concentration (188 mg/kg).

Emission rates and subsequent on-site, indoor and outdoor air concentrations of volatile COPCs were estimated according to the fate and transport modeling described in detail in the HHRA (SOMA, 1996), Sections 4.3 (Estimation of Chemical Emission Rates from Groundwater), 4.4 (Estimation of Chemical Emission Rates from Soil) and 4.5 (Air Dispersion Modeling). Suspension of surface soil COPCs and subsequent on-site air concentrations of soil particulates and COPCs adsorbed to soil particulates were estimated according to the fate and transport modeling described in detail in Section 4.5.3 (Fugitive Dust Model (FDM)) of the HHRA.

3.2.6 Toxicity Assessment

This section describes the process of characterizing the relationship between the exposure to an agent and the incidence of adverse health effects in exposed populations. In a quantitative carcinogenic risk assessment, the dose-response relationship of a carcinogen is expressed in terms of a slope factor (oral) or unit risk (inhalation), which are used to estimate the probability of risk of cancer associated with a given potential exposure pathway. Cancer slope factors and unit risk factors as published by EPA (Integrated Risk Information System (IRIS) and Health Effects Assessment Summary Tables (HEAST) were used in this human health risk assessment.

For noncarcinogenic effects, toxicity data developed from animal or human studies are typically used to develop non-cancer acceptable levels, or reference doses (RfDs). A chronic RfD is defined as an estimate of a daily exposure for the human population, including sensitive sub-populations that are likely to be without appreciable risk of deleterious effects during a lifetime. The chronic reference doses, as published in IRIS (1995) or HEAST (1994), were used in this evaluation.

3.2.7 Risk Characterization

This section describes the approach used to assess the potential carcinogenic risk and noncarcinogenic health hazard for the populations of concern represented by the chemical contaminants in soil and groundwater at the Site. Potential carcinogenic effects were estimated from the predicted intakes and chemical-specific dose-response information. Potential noncarcinogenic effects were estimated by comparing the predicted intakes of chemicals of potential concern to their respective toxicity criteria (i.e., inhalation reference doses (RfD_i)).

3.2.8 Noncarcinogenic Health Effects

In order to estimate the potential effects from exposure to multiple COPCs, the hazard index (HI) approach was used. The HI is defined as the summation of the hazard quotients for each COPC, for each route of exposure, and is represented by the following equation:

$$HI = \frac{\text{Predicted Dose}_a}{RfD_a} + \frac{\text{Predicted Dose}_b}{RfD_b} + \ldots + \frac{\text{Predicted Dose}_i}{RfD_i}$$

A total HI less than or equal to unity is indicative of acceptable levels of exposure for chemicals assumed to exhibit additive health effects. To be truly additive in effect, chemicals must affect the same target organ system or result in the same critical toxic endpoint. A HI less than or equal to 1.0 suggests that adverse health effects would not be expected following a lifetime of exposure, even in sensitive members of the population.

3.2.9 Carcinogenic Health Effects

Quantitative estimates of upper-bound incremental cancer risk due to Site-related contamination was evaluated for each COPC according to the following equation:

$$R_i = q_i \times E_i$$

Where,

R_I = Estimated incremental risk of cancer for the ith chemical

q_i = Cancer slope factor for the ith chemical, $(mg/kg\text{-}day)^{-1}$

E_i = Exposure dose for the ith chemical, mg/kg-day

For the hypothetical residential use scenario, the exposure dose was the lifetime average daily dose (LADD) equivalent to the cumulative adult and child intake. Carcinogenic risk was assumed to be additive and was estimated by summing the upper-limit incremental cancer risk for all carcinogenic COPCs.

3.3 Estimation of Preliminary Cleanup Goals

Based on the results of the HHRA, almost all of the estimated risk and hazard was attributable to PCBs in soil, prior to site remediation (greater than 99 percent of the overall risk/hazard). The incremental risk from VOCs in groundwater and soil were acceptable for the indoor worker, worst-case resident, and parking garage attendant; the incremental risk for VOCs from soil and groundwater were negligible for the on-site worker, RME resident, and construction worker. Consequently, cleanup levels were estimated only for PCBs in soil. Since the incremental risk and hazard from PCBs through inhalation of soil particulates were negligible, only the soil ingestion and dermal contact routes were considered in estimating soil cleanup levels for PCBs.

Following the EPA guidance for estimating preliminary remediation goals (PRGs) (EPA), the chemical intake equations for incidental ingestion of soil and dermal contact with soil were combined and rearranged to solve for the concentration term. The reduced equations for the carcinogenic and noncarcinogenic soil cleanup levels are presented below.

Residential Soil Cleanup Level

$$\text{Soil Cleanup Level (mg/kg)} = \frac{\text{Target Risk}}{(2.60 \times 10^{-6} * SF_o)}$$

Industrial/Occupational Soil Cleanup Level

$$\text{Soil Cleanup Level (mg/kg)} = \frac{\text{Target Risk}}{(4.56 \times 10^{-7} * SF_o)}$$

Utility Worker Soil Cleanup Level

$$\text{Soil Cleanup Level (mg/kg)} = \frac{\text{Target Risk}}{(2.19 \times 10^{-8} * SF_o)}$$

The recommended soil clean-up values are the statistical values of PCB concentrations in soil after removal of the PCB affected hot spots. The 95% UCL of PCB concentrations in the remaining soils were used as a criterion for soil remediation. If the 95% UCL of the samples collected are less than the indicated cleanup levels, then the excavation will be terminated.

A PCB soil cleanup level of .05 mg/kg for residential use, 0.29 mg/kg for industrial use and 5.93 mg/kg for utility worker use would result in an excess lifetime cancer risk of 1×10^{-6}. A PCB soil cleanup level of 0.5 mg/kg for residential use, and 2.85 mg/kg for industrial use and 59.3 mg/kg for utility worker use would result in an excess lifetime cancer risk of 1×10^{-5}. A PCB soil cleanup level of 5.0 mg/kg for residential use, 28.5 mg/kg for industrial use and 593 mg/kg for utility worker use would result in an excess lifetime cancer risk of 1×10^{-4}.

3.4 Remediation of PCB-Contaminated Soils

Based on the results of the human health risk assessment (SOMA, 1996), unacceptable carcinogenic risks and noncarcinogenic health hazards were estimated for hypothetical on-site apartment/condominium dwellers, outdoor workers and construction workers from PCBs in soil at the far northeast corner of the site. In 1997, ALTA Geosciences remediated site soils consistent with the following cleanup goals (the cleanup goal for each specified scenario represents a target risk of 1×10^{-5}), as set forth in the human health risk assessment:

Table 3.1
RISK-BASED PCB SOIL CLEANUP LEVELS
(SOMA, 1996)

SCENARIO	PCB CLEANUP LEVEL (mg/kg)
Residential	0.5
Industrial/Commercial	2.85
Utility Worker	59.3

Based on future development plans, the property will not be used for single family residential use. Land-use and deed restrictions have been recorded against the property and specifically prohibit site development for single family residential housing. Therefore, a utility or commercial worker would be the most likely receptor to have actual contact with residual contaminants at the site. In order to be health protective, Westinghouse established the unlimited land use PCB cleanup goal of 0.5 mg/kg in the upper two-feet of soil, even though no residential development is planned. Between two and four feet, only a hypothetical utility worker would have the potential for direct contact with residual PCB contaminants in soil. In order to be protective of a future utility worker's health, Westinghouse decided to use 50 mg/kg PCBs as the cleanup level below two feet, instead of the 59.3 mg/kg risk-based cleanup level. Below 4 feet or the groundwater table, the risks

to human health were not considered significant, since there is no complete exposure pathway (i.e., shallow groundwater has no designated beneficial use).

In summary, the cleanup was accomplished within the subject area by excavation and offsite disposal of soils having PCBs greater than 0.5 mg/kg within the top 2 feet, and PCBs greater than 50 mg/kg within the depths of 2 to 4 feet, as documented in the Site Completion Report (ALTA, 1997). Potential health threats for construction workers during development of the site has been adequately addressed through the Health and Safety Plan prepared by SOMA Environmental Engineering (SOMA, 1998a&b) on behalf of ESA, LLC, as discussed in more detail in the following section.

3.5 Conclusions and Recommendations of HHRA

The following specific conclusions were reached for the Westinghouse Site:

- Based on the Site specific hydrogeological data, the groundwater flow velocity beneath the Site is about 1.13 ft/yr. The results of the chemical transport modeling indicate that the off-site migration of the chemicals detected in groundwater during the next 30 years will be negligible;

- The results of the groundwater flow modeling indicate that groundwater beneath the Site would not support significant withdrawal rates (less than 200 gallon a day). This is largely due to the low hydraulic conductivity of the saturated sediments and the presence of the slurry wall surrounding a portion of the Site. For this reason, the water-bearing zone beneath the Site was not considered to be a potential source of drinking water. Therefore, in conducting the HHRA, the ingestion of groundwater by a potential future resident and/or occupant was not considered;

- For a hypothetical on-site indoor worker, the carcinogenic risk (7.6×10^{-6}) from inhalation of volatile emissions in indoor air was well within the range of

acceptable risk, as defined by EPA (between 10^{-6} and 10^{-4}). The noncarcinogenic health hazard was negligible (2.3×10^{-1});

- For a hypothetical on-site, outdoor worker assumed to be exposed to Site contaminants through soil ingestion, dermal contact, inhalation of volatile emissions, and inhalation of soil particulates, the carcinogenic risk (6.6×10^{-4}) and noncarcinogenic health hazard (12) were unacceptable and primarily attributable to PCBs from ingestion and dermal contact;

- For the RME on-site resident assumed to be exposed to Site contaminants through soil ingestion, dermal contact, inhalation of volatile emissions, and inhalation of soil particulates, the carcinogenic risk (3.0×10^{-3}) and noncarcinogenic health hazard (156) were unacceptable and primarily attributable to PCBs from ingestion and dermal contact;

- For the worst-case, on-site resident, assumed to live directly over the groundwater plume "hot-spot", the incremental carcinogenic risk from inhalation of VOCs in indoor air (9.1×10^{-6}) was well within the range of acceptable risk defined by EPA (between 10^{-6} and 10^{-4}). The incremental noncarcinogenic health hazard was negligible (0.5);

- For the worst-case, on-site resident, when soil ingestion, dermal contact, and inhalation of particulates are included, the carcinogenic risk (3.1×10^{-3}) and noncarcinogenic health hazard (157) were unacceptable and almost wholly attributable to PCBs from ingestion and dermal contact;

- For a construction worker assumed to have an exposure duration of 3 months, the carcinogenic risk (2.7×10^{-5}) was acceptable; however the noncarcinogenic health hazard (48) was unacceptable and primarily attributable to inhalation of PCBs in mechanically suspended (i.e., from heavy

equipment) soil. Consequently, health and safety protection is recommended for any construction/excavation activities in PCB-contaminated soils;

- For the parking garage scenario, the carcinogenic risk for a full-time garage attendant (1.9×10^{-6}) is well within the range of acceptable risk defined by EPA (between 10^{-6} and 10^{-4}). The incremental noncarcinogenic health hazard was negligible (5.8×10^{-2});

- Based on the carcinogenic risks and noncarcinogenic health hazards summarized above, greater than 99 percent of the overall risk/hazard was attributable to PCB's.

- The incremental risk from VOCs in groundwater and soil were acceptable for the indoor worker, worst-case resident, and parking garage attendant; the incremental risk for VOCs from soil and groundwater were negligible for the on-site worker, RME resident, and construction worker.

- Removal action/remediation was recommended only for PCBs in surface soils extending to a two foot depth at the Westinghouse Site. A PCB soil cleanup level of .5 mg/kg for residential use, 2.85 mg/kg for industrial/commercial use and 59.3 mg/kg for a utility worker would result in an excess lifetime cancer risk of 1×10^{-5}.

4.0 SITE RISK MANAGEMENT PLAN

Risk management during construction addresses precautions that will be taken to mitigate risks to human health and the environment from residual soil and groundwater contaminants during Site construction activities. Precautions to be taken during construction will include the following:

- Protect construction workers who may directly contact residual contaminants in soil or groundwater (e.g., during site preparation, grading, foundation construction, or landscape installation) through implementation of the Site Health and Safety Plan (SOMA,1998a&b);
- implement construction impact mitigation measures, including control of dust generation at the Site, decontamination of equipment, prevention of sediment from leaving the Site in storm water runoff, and management of groundwater extracted from excavations;
- implement procedures to protect monitoring wells remaining on the Site
- implement construction methods that minimize the potential for creating conduits to deeper groundwater zones when driving piles;
- establish procedures to characterize and manage Site soil;
- establish procedures to manage abandoned tanks/pipes and their contents if encountered; and
- Monitor the exposures of on-site and off-site to site-related contaminants through personal and fenceline air monitoring and implement procedures to maintain airborne concentrations of site-related contaminants at or below acceptable levels;

4.1 Site-Specific Health and Safety Worker Planning Requirements

Prior to development of the site, SOMA developed and implemented a Health and Safety Plan for ESA, LLP future owner of the Site was developed to address all aspects of construction-related activities associated with the development of the Westinghouse Facility located in Emeryville, California (Emeryville Facility) (SOMA, 1998 a&b). Each construction contractor with workers that may contact Site soil or groundwater must adhere to the procedures and work practices specified in the Health and Safety Plan.

The Site Safety Officer (SSO) has the primary responsibility for on-site implementation of the Health and Safety Plan (HSP). Additional responsibilities include, but are not limited to:

- Verifying that contractor/subcontractor personnel are aware of hazardous materials protection procedures and have been instructed in proper work practices and emergency procedures

- Verifying that appropriate personal protective equipment (PPE) is available and is properly used by contractor/subcontractor personnel

- Monitoring contractor/subcontractor activities and ensure that required safe work practices are followed

- Conducting daily safety meetings prior to commencing operations. Meetings will cover:
    1. Expected site conditions
    2. Daily activities
    3. Safety deficiencies noted previously
    4. Changes in safety and/or emergency procedures

Employees involved in disturbance of soil known or suspected to contain potentially hazardous chemicals shall have received training covering the following items:

- Site safety plans
- Safe work practices
- Nature of anticipated hazards
- Handling emergencies and self-rescue
- Rules and regulations for vehicle use
- Safe use of field equipment
- Handling, storage and transportation of hazardous materials
- Employee rights and responsibilities
- Use, care and limitations of PPE

4.2 Construction Impact Mitigation Measures

This section presents the general measures that will be implemented to mitigate potential impacts to human health and the environment during construction activities. Specifically, mitigation of the following potential impacts will be discussed:

- Dust generation associated with excavation and loading activities, construction or transportation equipment and wind suspension of stockpiled soil;

- Tracking of soil off-site with construction or transportation equipment;

- Transport of site-sediments in surface water runoff; and

- Management of groundwater extracted during construction activities (dewatering activities).

4.2.1 Dust Control

As discussed in detail in the Site HSP, the generation of dust will be controlled in order to minimize 1) potential exposures of on-site construction workers; and 2) the migration of airborne particulate off-site. Worker exposures to particulates will be monitored using actual personal sampling and potential off-site exposures to particulates will be monitored using downwind fenceline sampling. Sampling procedures and the results of both on-site and off-site monitoring are presented in Section 5.10, Worker and Community Air Quality Exposure Assessment During Excavation and Pile Driving Activities. Dust control measures will include but will not be limited to:

- use of water spray or mist during excavation and vehicle loading;
- limit maximum vehicle speed on-site to 5 miles per hour;
- minimize drop heights during transportation vehicle loading; and
- cover stockpiled soil with plastic sheeting or tarps to prevent wind erosion.

4.2.2 Decontamination

Construction equipment and transportation vehicles that contact site soils containing residual contamination will be decontaminated prior to leaving the site in order to minimize the potential for off-site migration. Prior to loading stockpiled soil for off-site disposal, the tractor-trailer will be driven onto a large sheet of plastic. Following loading, dirt will be removed from the vehicle exterior and wheels and captured by the plastic sheeting.

During soil and groundwater sampling on-site, decontamination of sampling equipment will be conducted according to the HSP decontamination procedures. Wash water or

rinsate will be collected and managed in accordance with all applicable local and state laws and regulations.

4.2.3 Storm Water Pollution Controls

In the event of rainfall during construction activities, storm water pollution controls will be implemented to minimize storm water runoff. Even though most construction activities will take place below grade, thereby eliminating the potential for runoff, on-site sediment and erosion protection controls will be implemented, including:

- construction of berms or silt fences at entrances to the site;
- placing straw bale barriers around storm drains and catch basins; and
- during heavy rainfall, covering stockpiled soil with plastic sheeting or tarps.

4.2.4 Dewatering

As discussed previously, much of the construction will take place below grade necessitating the removal of pooled groundwater. All groundwater encountered during construction (e.g., driving piles) will be collected and stored on-site in a Baker Tank for appropriate characterization and disposal at an off-site facility.

4.3 Worker and Community Air Quality Exposure Assessment During Excavation And Pile Driving Activities

SOMA conducted worker exposure and community fenceline air quality monitoring for selected metals of concern, during construction and soil disturbance activities at the Emeryville facility. Four personnel and nineteen fenceline samples were collected and analyzed from April 6 to June 8, 1998. Additional air quality monitoring included the collection and analyses of volatile organic compounds (VOCs) on June 5, 1998 in response to a concern related to intermittent odors at the southeast corner of the site.

Personnel and fenceline air monitoring results were reported in Worker and Community Air Quality Exposure Assessment During Excavation And Pile Driving Activities at the Site (SOMA,1998a&b). All of the air monitoring sample results were well below occupational Permissible Exposure Levels (PELs) and project fenceline health standard guidelines for both selected metals of concern and VOCs.

4.4 Protection of Monitoring Wells

For the current phase of construction, all activities will occur on the portion of the property labeled Parcel 1 on Figure 2-11. All previous monitoring wells associated with Parcel 1 have been abandoned in accordance with all applicable local and state laws and regulations. The monitoring wells depicted on Parcel 2 and 4 will remain as part of the long term annual groundwater monitoring program overseen by EPA Region IX to evaluate the effectiveness of the slurry wall constructed on the Parcel 2. For any construction or development activities that may occur at Parcel 4, precautions will be taken to protect the existing wells located at the property boundary.

4.5 Use of Construction Methods to Minimize the Potential for Creating Conduits to Deeper Groundwater Zones

Current plans specify a pile foundation for the proposed building depicted in Figure 2-11. Consequently, mitigation measures are required to minimize 1) the potential to drive shallow contaminants (especially PCBs) into deeper soils; and 2) the potential to create conduits or preferential flow paths for the migration of shallow groundwater contaminants to deeper groundwater. Mitigation measures may include pre-drilling through soil containing residual contamination and utilizing conductor casing to prevent downward migration of contaminants.

4.6 Soil Management

All excavated soil was sampled for TPH and PCBs according to the following analytical methods:

- TPH-gasoline (purgeables) according to EPA Method 8015m
- TPH-diesel and TPH-motor oil (extractables) according to EPA Method 8015M
- PCBs according to EPA Method 8080.

Excavated soil will be disposed off-site at an appropriate, permitted facility in accordance with all applicable laws and regulations. The actual sampling frequency of stockpiled soils will be based on specific requirements of each permitted landfill for acceptance of contaminated soil.

4.7 Management of Abandoned Tanks and Associated Piping

If an abandoned tank and/or piping is encountered during construction, the following specific actions will be implemented:

1. Any liquid or sludge will be tested for hazardous constituents and the contents removed and disposed at an appropriate facility according to all applicable laws and regulations;

2. The tank and associated piping will be removed in accordance with ACDEH requirements.

4.8 Post-Construction Risk Management

The post-construction part of the risk management plan outlines precautions that should be undertaken to mitigate any long-term potential threats to human health or the

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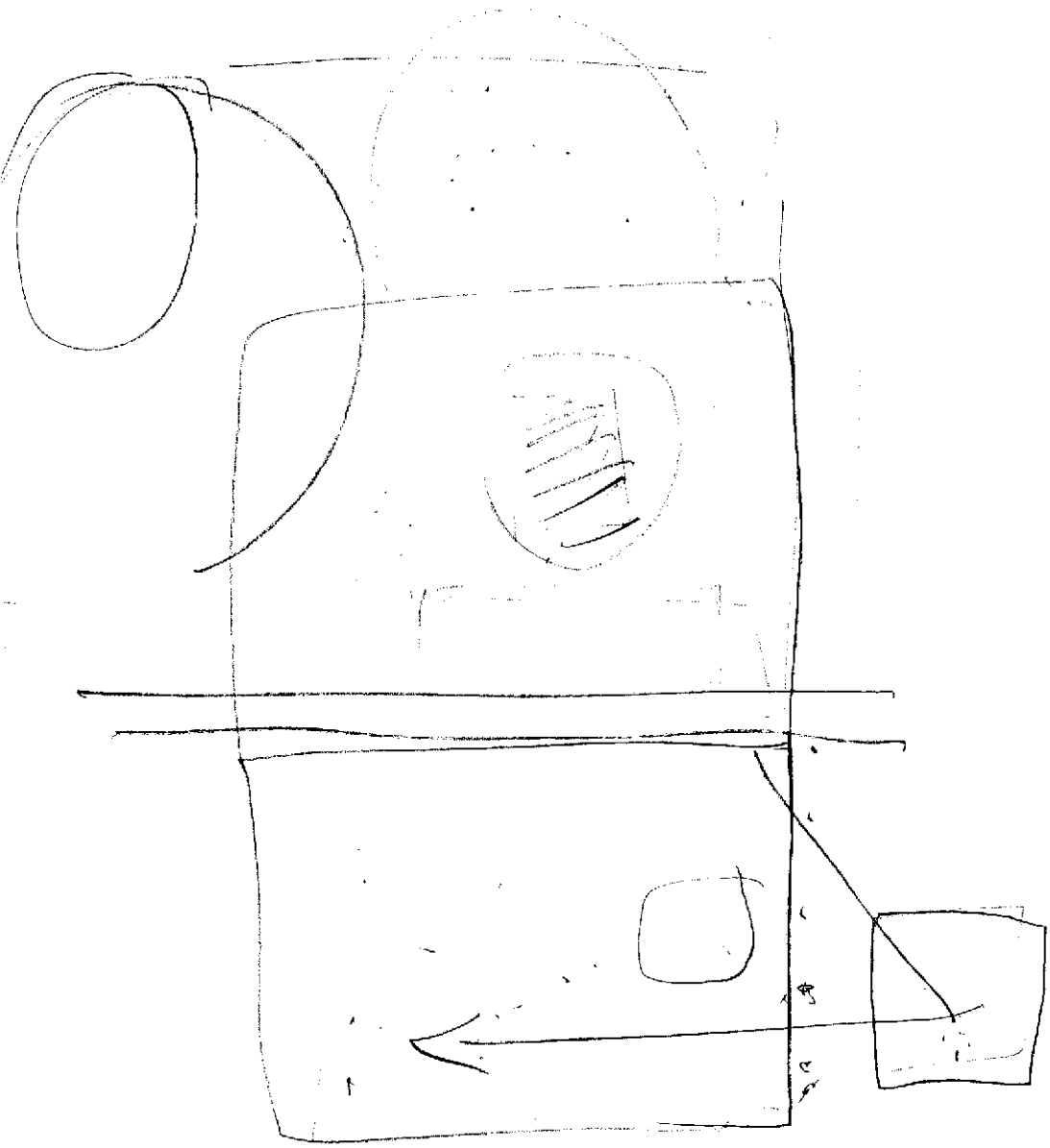

environment from residual contaminants in soil and groundwater following development of the site.

4.8.1 Summary of Human Health Risks

Carcinogenic risk and noncarcinogenic hazards for the hypothetical outdoor worker and construction worker scenarios were almost entirely attributable to PCBs in soil, which were localized in the northeast portion of the site, with most of the site having non-detected levels of PCBs. This "hot-spot" portion of the site was excavated to meet the cleanup levels established in the HHRA. Specifically, the cleanup was accomplished within the subject area by excavation and offsite disposal of soils having PCB concentrations greater than the residential cleanup level of 0.5 mg/kg within the top 2 feet, and greater than the utility worker cleanup level of 50 mg/kg within the depths of 2 to 4 feet, as documented in the Site Completion Report (ALTA, 1997). This is health protective, as no residential development is planned for this site and the assumed utility worker is considered the most appropriate scenario in the future. Therefore, based on the planned commercial development of the site, there would be no long-term risks to human health.

For the construction worker, potential exposures to site-related contaminants were minimized or eliminated through implementation of the Site Health and Safety Plan.

4.8.2 Use of Site Groundwater

Both VOCs and low concentrations of PCBs have been reported in shallow groundwater beneath the site. Based on the results of the HHRA, VOC emissions from groundwater do not pose a threat to human health under any exposure scenario evaluated. Further, the results of the groundwater flow modeling (SOMA, 1996) indicate that groundwater beneath the site would not support significant withdrawal rates (less than 200 gallon a day). This is largely due to the low hydraulic conductivity of the saturated sediments and the presence of the slurry wall surrounding a portion of the site. For these reasons, the water-bearing zone beneath the site was not considered to be a potential source of

drinking water. Therefore, shallow groundwater beneath the site cannot be used as a drinking water source or for any other purpose.

4.8.3 Future Construction Activities

Based on the results of the HHRA, residual contamination in soil and groundwater does not pose an unacceptable risk for the intended commercial development of the site. However, any future construction-related activities must follow the procedures defined in the Site Health and Safety Plan and Risk Management Plan.

4.8.4 Long-Term Compliance

This risk management plan, including any addenda, will be on file with the RWQCB and ACDEH. As part of standard due diligence, the owner(s) of the site will be required to disclose the risk management plan to potential buyers during future property transactions.

Procedures will be developed by the site owner(s) and tenants to inform workers and contractors about the risk management plan, as needed, and to maintain compliance with the risk management plan.

The planned site land use is commercial. Land use at the site will not change significantly (e.g., the site will not be developed for single family housing) without approval from the RWQCB and ACDEH.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The purpose of the Comprehensive Site Closure Report is to ensure that the following seven requirements, as specifically detailed in RWQCB guidance on site closure, have been adequately addressed:

1. Has the Site been adequately investigated?
2. Have all contaminant sources been removed or stabilized?
3. Is the groundwater plume stable?
4. Does the Site pose any current or future threats to public health?
5. Does the Site pose any current or future threats to the environment?
6. Does the Site pose any current or future threat to water resources?
7. Is a risk management plan in place?

The following presents the conclusions reached in this closure report, regarding each of the above seven site closure requirements.

Has the Site been adequately investigated?

Woodward Clyde and EMCON have conducted extensive site investigations in 1980's and early 1990's. PCBs, low levels of total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) have been reported in soil and groundwater by previous consultants. Based on the most recent groundwater monitoring conducted by ALTA Geosciences, PCBs have been reported as non-detected in most of groundwater-monitoring wells sampled, except monitoring well S-3 and S-5. In May 1998, PCB concentrations in both monitoring wells was 0.13 microgram per liter. During recent Site investigation activities conducted by SOMA, numerous soil and groundwater samples were collected beneath three USTs and one oil sump that were discovered beneath the Site during recent construction activities. The analytical results for soil samples collected after removal and excavation of soils beneath the oil sump indicated that the remaining PCB concentrations were below the recommended Site-specific PCB cleanup level as required for industrial or commercial land use. Extensive investigation

was also conducted by SOMA in off-site areas located immediately north of the Site within the Heritage Square and U.S. Post Office, Emeryville Station Sites. The results of the off-site investigation indicated that PCB concentrations in the near surface soils are below the acceptable PCB level for industrial/commercial land use. Therefore, the Site has been adequately characterized for final closure by regulatory agencies (RWQCB and ACDEH) based on the intended land use.

Have all contaminant sources been removed or stabilized?

Based on the results of the human health risk assessment (SOMA, 1996), unacceptable carcinogenic risks and noncarcinogenic health hazards were estimated for hypothetical on-site residents, outdoor workers and construction workers from polychlorinated biphenyls (PCBs) in soil at the far northeast corner of the Site. In 1996, Westinghouse remediated Site soils consistent with the cleanup goals (the cleanup goal for each specified scenario represents a target risk of 1×10^{-5}), as set forth in the human health risk assessment. Cleanup was accomplished within the subject area by excavation and off-site disposal of soils having PCB concentrations greater than 0.5 mg/kg within the top 2 feet (unlimited land use, i.e., residential PCB cleanup level), and PCB concentrations greater than 50 mg/kg within the depths of 2 to 4 feet (utility worker cleanup level), as documented in the Site Completion Report (ALTA, 1997). Potential health threats for construction workers during development of the Site has been adequately addressed through the Health and Safety Plan prepared by SOMA (SOMA, 1998a&b).

During the initial Site preparation period for construction and pile driving, three underground storage tanks and one oil sump were discovered at the Site. The content of all three underground storage tanks was water with some trace amount of mineral oil, a common di-electric fluid. The oil sump was used for storing various fluids including mineral oil.

The analytical results indicated that high concentrations of PCBs only occurred beneath the old oil sump. This is largely due to the low solubility and higher retardation of PCBs in the saturated sediments. The results of laboratory analysis on soil samples collected

after removing and excavation of soils up to two feet beneath the oil sump indicated that the remaining PCBs concentrations are below the recommended PCBs cleanup levels. The recommended Site-specific PCBs cleanup levels in the health risk assessment document prepared by SOMA in 1996 for a utility worker, the most likely exposure scenario below the upper two feet of surface soil, is 59.3 parts per million.

Is the groundwater plume stable?

The results of the chemical transport modeling indicate that the off-site migration of the chemicals detected in groundwater during the next 30 years will be negligible. Therefore, the groundwater plume would actually be expected to significantly decrease in overall size, due largely to physical chemical processes and intrinsic biodegradation.

The results of the groundwater pumping tests and slug tests conducted by previous consultants indicate that groundwater beneath the Site would not support significant withdrawal rates (less than 200 gallon a day). This is largely due to the low hydraulic conductivity of the saturated sediments. Therefore, based on State Water Board Resolution 88-63, the water-bearing zone beneath the Site is not classified as a drinking water source.

Does the Site pose any current or future threats to public health?

Based on the results of the HHRA, VOCs in soil and groundwater did not represent an unacceptable risk for any of the exposure scenarios evaluated, specifically, indoor worker, worst-case resident, parking garage attendant, on-site worker, reasonably maximum exposure (RME) resident and construction worker. Virtually all of the estimated risk and hazard was attributable to PCBs in soil (greater than 99 percent of the total risk and hazard) for the on-site outdoor worker, RME resident, worst-case resident, construction worker and utility worker.

As discussed previously, Westinghouse remediated PCBs in Site soils consistent with the cleanup goals set forth in the HHRA. Direct exposure to PCBs in soil would

primarily occur in the upper two feet of surface soils for all exposure scenarios evaluated, with the exception of a potential utility worker. Because of possible trenching to lay cables, the utility worker would have the potential to contact soil to a depth greater than two feet. Therefore, the cleanup was accomplished within the subject area by excavation and off-site disposal of soils having PCB concentrations greater than 0.5 mg/kg within the top 2 feet of surface soils, thereby allowing unlimited use of surface soil for all potential receptors evaluated. Since the utility worker is the only potential receptor likely to have direct contact with soils below 2 feet, soils having PCB concentrations greater than 50 mg/kg within the depths of 2 to 4 feet, as documented in the Site Completion Report (ALTA, 1997), were excavated and disposed off-site. Potential health threats for construction workers during development of the Site has been adequately addressed through the Health and Safety Plan prepared by SOMA Environmental Engineering (SOMA, 1998c).

Does the Site pose any current or future threats to the environment?

The former Westinghouse Site and all areas in the immediate vicinity are zoned for industrial/commercial development, and as such, represent highly developed, low quality habitat. Therefore, there are no ecological receptors of concern or sensitive habitats on-site or in the vicinity of the Site.

As discussed previously, the groundwater flow velocity beneath the Site is extremely low and groundwater-modeling results have shown that the off-site migration of groundwater contaminants over the next 30 years would be negligible. Therefore, no impacts to downgradient aquatic receptors or habitats would be expected from Site contaminants.

Does the Site pose any current or future threat to water resources?

As discussed previously, the results of the groundwater flow modeling indicate that groundwater beneath the Site would not support significant withdrawal rates (less than 200 gallon a day). Consistent with RWQCB guidelines, the water-bearing zone beneath

the Site is not considered to be a potential source of drinking water. Therefore, Site contaminants in groundwater do not represent a potential threat to a beneficial use aquifer.

Review of geologic cross-sections (SOMA, 1996) indicate that an isolated perched water bearing zones occurs at 2 to 6 feet below the ground surface. At the northern end of the Site, 12 of the 14 groundwater monitoring wells outside the slurry wall, including the destroyed wells S-2 and D-2 (now named S-2R and D-2R), are set as 6 pairs with one shallow well and one deep well. The shallow wells have 10-foot screened intervals that extend from approximately sea level to 10 feet below sea level in the Recent Bay Mud and underlying silty-sandy-clay. The deep wells are screened from roughly 15 to 25 feet below sea level at the base of the silty-sandy-clay layer. Static water level elevations in the well pairs differ only by an average of 0.2 foot. Generally, the groundwater elevations are slightly lower in the deep wells, but in some pairs the groundwater elevations in the shallow wells are lower than the groundwater elevations in the adjacent deep wells. The small differences in groundwater elevations indicate that the Recent Bay Mud and the various sediment types, considered together as the silty-sandy-clay with sand and gravel lenses, all act as one water-bearing zone. The saturated thickness of the water-bearing zone is 30 to 33 feet. Due to the absence of a consistent vertical downward groundwater flow component, and absence drinking water aquifers in Emeryville (personal communication with Mr. Ignacio Dayrit, Bownfield Project Coordinator of City of Emeryville), any future impact of drinking water sources from the Site related residual chemical levels will be highly unlikely.

Is a risk management plan in place?

The risk management plan developed by SOMA on behalf of ESA, LLC in this document addresses precautions that will be taken to mitigate risks to human health and the environment from residual soil and groundwater contaminants during Site construction activities. Precautions to be taken during construction will include the following:

- Protect construction workers who may directly contact residual contaminants in soil or groundwater (e.g., during Site preparation, grading, foundation construction, or landscape installation) through implementation of the Site Health and Safety Plan;
- implement construction impact mitigation measures, including control of dust generation at the Site, decontamination of equipment, prevention of sediment from leaving the Site in storm water runoff, and management of groundwater extracted from excavations;
- implement procedures to protect monitoring wells remaining on the Site;
- implement construction methods that minimize the potential for creating conduits to deeper groundwater zones when driving piles;
- establish procedures to characterize and manage Site soil; and
- establish procedures to manage abandoned tanks/pipes and their contents, if discovered during site construction.

6.0 REFERENCES

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SOMA Environmental Engineering, Inc., 1996. Baseline Human Health Risk Assessment for the Former Westinghouse Electric Corporation Facility, February 1996.

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SOMA Environmental Engineering, Inc., 1998d. Underground Storage tank Closure Report, July 23, 1998.

Woodward-Clyde Consultants, 1985. Exterior Remedial Action Plan Specifications and Procedures, July 9, 1985.

TABLES

Table 2-1
Analysis of Groundwater Samples
March 1983

Constituent	Concentrations of Priority Pollutant Organic Chemicals (ug/l): Monitoring Well Number								
	W-1	W-2	W-3	W-17	W-18	W-19	W-20	W-22	W-24
PCBs and pesticides [1]	ND	ND	ND	--	--	--	ND	--	--
Arochlor 1260	--	--	--	32	6	71	--	3	1
Purgeable organics [2]									
Benzene	--	--	3	--	--	--	27	29	1
Chlorobenzene	--	140	39	24	45	--	2,800	90	--
Chloroform	--	--	--	6.1	--	--	--	--	--
Dichloromethane	--	--	--	--	--	340	--	--	--
trans-1,2-Dichloroethylene	--	3	330	--	--	--	44	610	--
Ethylebenzene	--	--	3	--	--	--	--	--	3
Toluene	--	2	4	--	--	--	--	--	7
Trichloroethylene	--	--	12	--	34	--	--	--	--
Vinyl chloride	--	6	44	--	--	--	120	540	--
Base /neutral and acid extractables [3]									
1,1-Dichlorobenzene	ND	--	--	--	--	ND	--	--	ND
1,3-Dichlorobenzene	--	--	--	130	130	--	8	--	--
1,4-Dichlorobenzene	--	14	--	30	48	--	58	15	--
1,2,4-Trichlorobenzene	--	24	--	130	110	--	48	--	--
Bis (2-ethylhexyl)phthalate	--	--	--	--	620	--	130	--	--
Detection limit [1]	<1	<1	<1	<25	<5	<50	<5	<1	<1
Detection limit [2]	<5	<1	<1	<5	<5	<5	<5	<5	<1
Detection limit [3]	<10	<10	<10	<10	<10	<10	<10	<10	<10

Table base on Table 4-1 Westinghouse Emeryville Data Summary Report EMCON, October 1993 originally from Data Collection Investigation, Brown & Caldwell, May 1983 certified analytical reports not available to verify reported concentrations or detection limits or to determine what "--" means.

[1] U.S. Environmental Protection Agency method 608

[2] U.S. Environmental Protection Agency method 624

[3] U.S. Environmental Protection Agency method 625

Table 2-2: Historical Groundwater Monitoring Data Summary, April 1986-May 1997

Compound	Date Sampled	Groundwater Monitoring Wells													
		D-1	D-2	D-3	D-4	D-5	D-6	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
Benzene	03/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<0.5	<0.5	1.1	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<5	<0.5	0.8	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<5	<0.5	0.7	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<25	<0.5	1	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	1	<5.0	<1.0	<1.0	<1.0
Chlorobenzene	03/91	<0.5	NM	NM	NM	<0.5	<0.5	3.6	NM	NM	NM	590	<0.5	5.3	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	5.6	NM	NM	NM	540	<0.5	8.0	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	2.5	NM	NM	NM	520	<0.5	6.4	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	6.4	NM	NM	NM	650	<0.5	9.5	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	8	610	<1.0	10	<1.0
1,2-Dichlorobenzene	03/91	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	82	<1.0	<1.0	NM
	09/91	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	73	<1.0	<1.0	NM
	03/92	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	70	<1.0	<1.0	NM
	09/92	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	96	<1.0	<1.0	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	48	<1.0	<1.0	2.0
1,3-Dichlorobenzene	03/91	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	600	<1.0	<1.0	NM
	09/91	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	420	<1.0	<1.0	NM
	03/92	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	320	<1.0	<1.0	NM
	09/92	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	510	<1.0	<1.0	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	270	<1.0	<1.0	1.0
1,4-Dichlorobenzene	03/91	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	420	<1.0	<1.0	NM
	09/91	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	300	<1.0	<1.0	NM
	03/92	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	240	<1.0	<1.0	NM
	09/92	<1.0	NM	NM	NM	<1.0	<1.0	<1.0	NM	NM	NM	450	<1.0	<1.0	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	240	<1.0	<1.0	<1.0
Trichloroethene	03/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	340	<0.5	<0.5	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	1500	<0.5	<0.5	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	460	<0.5	<0.5	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	500	<0.5	<0.5	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	140	<1.0	<1.0	<1.0
cis-1,2-Dichlororoethene	03/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	34	<0.5	14	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	150	<0.5	10	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	43	<0.5	8.1	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	51	<0.5	<0.5	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	13	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	03/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	19	<0.5	19	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	46	<0.5	16	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	17	<0.5	12	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<25	<0.5	15	NM

Table 2-2: Historical Groundwater Monitoring Data Summary, April 1986-May 1997

Compound	Date Sampled	Groundwater Monitoring Wells													
		D-1	D-2	D-3	D-4	D-5	D-6	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	7	<1.0	<1.0	<1.0
Vinyl Chloride	03/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	4.8	<0.5	23	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	44	<0.5	14	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<5	<0.5	95	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<25	<0.5	16	NM
	11/94	NM	NM	<10	<10	<10	<10	<10	NM	<10	<10	<50	<10	<10	<10
Carbon Tetrachloride	03/91	4.1	NM	NM	NM	35	<0.5	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM
	09/91	3.3	NM	NM	NM	43	<0.5	<0.5	NM	NM	NM	<5	<0.5	<0.5	NM
	03/92	5	NM	NM	NM	19	<0.5	<0.5	NM	NM	NM	<5	<0.5	<0.5	NM
	09/92	3.6	NM	NM	NM	1.6	<0.5	<0.5	NM	NM	NM	<25	<0.5	<0.5	NM
	11/94	NM	NM	<1.0	<1.0	2.0	<1.0	<1.0	NM	<1.0	<1.0	<5	<1.0	<1.0	<1.0
Chloroform	03/91	1.0	NM	NM	NM	20	<0.5	<0.5	NM	NM	NM	1.2	<0.5	<0.5	NM
	09/91	<0.5	NM	NM	NM	2.2	<0.5	<0.5	NM	NM	NM	<5	<0.5	<0.5	NM
	03/92	1.2	NM	NM	NM	9.1	<0.5	<0.5	NM	NM	NM	<5	<0.5	<0.5	NM
	09/92	1.2	NM	NM	NM	0.6	<0.5	<0.5	NM	NM	NM	<25	<0.5	<0.5	NM
	11/94	NM	NM	<1.0	<1.0	<1.0	<1.0	<1.0	NM	<1.0	<1.0	<5	<1.0	<1.0	<1.0
Freon 113	03/91	<0.5	NM	NM	NM	1.0	3.8	<0.5	NM	NM	NM	1.2	<0.5	<0.5	NM
	09/91	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM
	03/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM
	09/92	<0.5	NM	NM	NM	<0.5	<0.5	<0.5	NM	NM	NM	<25	<0.5	<0.5	NM
	11/94	NM	NM	<10	<10	<10	<10	<10	NM	<10	<10	<50	<10	<10	<10
Polychlorinated Biphenyls (PCBs)	04/86	ND	ND	ND	ND	ND	14.3	ND	ND	4	ND	ND	ND	ND	ND
	06/86	ND	ND	ND	ND	ND	1.8	0.8	0.8	1.4	0.8	1.9	1.4	1.5	0.7
	08/86	0.1	ND	ND	ND	0.2	6.7	0.7	0.2	0.1	0.3	0.5	2.7	2.4	0.9
	10/86	ND	ND	ND	ND	ND	3.2	0.9	0.7	0.3	0.3	1.6	2.2	0.5	0.8
	12/86	ND	ND	ND	ND	0.8	8.4	0.8	0.5	0.5	0.5	0.7	2.6	2.4	2.3
	02/87	ND	ND	ND	ND	0.5	5.5	0.8	0.3	0.3	0.2	0.2	0.1	1.1	0.4
	04/87	ND	ND	ND	0.3	ND	1.9	0.6	0.2	0.9	0.3	0.4	1.8	0.4	0.1
	06/87	ND	ND	ND	ND	0.2	6	0.3	0.3	ND	ND	0.4	1.3	0.3	0.2
	08/87	0.4	ND	ND	ND	ND	3.1	ND	ND	ND	ND	0.7	1.2	0.7	ND
	10/87	0.1	ND	ND	0.2	0.3	4.4	0.2	0.1	ND	0.1	0.3	2.4	0.4	ND
	12/87	ND	ND	0.1	ND	0.5	1.8	0.3	ND	ND	ND	0.5	1.3	0.8	0.3
	02/88	ND	0.1	ND	ND	0.4	0.6	0.8	ND	ND	0.2	0.5	1.8	6.9	0.5
	04/88	ND	ND	ND	ND	1.9	1.6	0.2	0.2	0.2	ND	0.9	2.1	1.6	0.2
	06/88	ND	0.1	ND	ND	1.5	3.2	0.2	0.1	0.1	ND	5.7	2.1	1.3	0.1
	08/88	ND	1.5	ND	ND	0.7	4.9	0.3	ND	ND	1.2	1.9	1.2	1.3	ND
	10/88	ND	1.8	0.3	0.2	31	1.4	0.4	ND	0.3	ND	4.4	0.7	4	0.2
	12/88	ND	0.3	0.4	ND	5.2	21.9	0.3	0.2	ND	ND	1.5	6	0.4	ND
	02/89	ND	0.3	0.3	ND	2.8	8	0.3	0.2	ND	ND	1.7	5	1.2	1.1
	04/89	ND	0.2	ND	ND	2.1	8.8	0.5	ND	0.1	ND	0.8	1	1.2	0.2
	06/89	ND	0.7	ND	ND	0.5	3.9	0.6	0.2	ND	ND	0.3	1.1	0.5	ND

Table 2-2: Historical Groundwater Monitoring Data Summary, April 1986-May 1997

Compound	Date Sampled	Groundwater Monitoring Wells													
		D-1	D-2	D-3	D-4	D-5	D-6	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
	08/89	ND	ND	ND	0.2	5.3	4.2	19	0.2	0.1	0.2	2.9	4.3	0.6	ND
	10/89	ND	0.1	0.4	ND	2.7	8.4	0.2	0.2	1.5	ND	4	1.8	2.7	0.4
	12/89	ND	0.3	ND	ND	3	6.7	0.3	ND	0.6	ND	4	2.8	1.9	0.9
	02/90	0.2	0.2	0.2	ND	5	4.5	0.6	ND	0.5	ND	2.2	1	0.9	0.1
	03/91	<0.1	0.2	0.1	<0.1	0.2	1	0.6	0.3	0.5	0.1	1	0.2	3	<0.1
	09/91	<0.1	<0.1	<0.1	<0.1	<0.1	0.4	1.4	0.3	0.6	0.2	1	0.2	1.6	<0.1
	03/92	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.4	<0.1	0.2	<0.1	0.2	0.2	0.4	<1
	09/92	<0.1	<0.1	<0.1	<0.1	0.2	0.3	0.5	0.2	<0.1	0.2	0.7	0.4	0.4	<0.1
	03/93	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	<0.1	0.4	<0.1	<0.1	0.4	<0.1	0.8	<0.1
	09/93	NA	NS	<0.1	NA	0.1	0.3	NA	NS	<0.1	NA	0.3	0.2	0.6	NA
	05/94	NA	NS	<0.1	<0.1	<0.1	0.4	0.2	NS	<0.1	<0.1	0.2	0.2	0.2	<0.1
	11/94	NA	NS	<0.1	<0.1	<0.1	0.8	0.1	NS	<0.1	<0.1	0.2	0.2	0.2	<0.1

All Concentrations in ug/l
ND = Not detected; detection limit not specified
NM = Not measured
NS = not sampled. Well appears to have been destroyed.
NA = Not accessible; well not sampled.
Source of data:
4/86-3/93 EMCON, 1993, Westinghouse Emeryville Data Summary Report
9/93-11/94 EMCON, March 28, 1995, November 1994 Groundwater Monitoring for PCBs

Table 2-2a
Analytical Results[1]
Shallow Wells (µg/l)[2]

Polychlorinated Biphenyls (PCBs) as Total Aroclors									
	Monitoring Wells								
Date	S-1	S-2	S-2R	S-3	S-4	S-5	S-6	S-7	S-8
04/86	ND[3]	ND	-	4.0	ND	ND	ND	ND	ND
06/86	0.8	0.8	-	1.4	0.8	1.9	1.4	1.5	0.7
08/86	0.7	0.2	-	0.1	0.3	0.5	2.7	2.4	0.9
10/86	0.9	0.7	-	0.3	0.3	1.6	2.2	0.5	0.8
12/86	0.8	0.5	-	0.5	0.5	0.7	2.6	2.4	2.3
02/87	0.8	0.3	-	0.3	0.2	0.2	0.1	1.1	0.4
04/87	0.6	0.2	-	0.9	0.3	0.4	1.8	0.4	0.1
06/87	0.3	0.3	-	ND	ND	0.4	1.3	0.3	0.2
08/87	ND	ND	-	ND	ND	0.7	1.2	0.7	ND
10/87	0.2	0.1	-	ND	0.1	0.3	2.4	0.4	ND
12/87	0.3	ND	-	ND	ND	0.5	1.3	0.8	0.3
02/88	0.8	ND	-	ND	0.2	0.5	1.8	6.9	0.5
04/88	0.2	0.2	-	0.2	ND	0.9	2.1	1.6	0.2
06/88	0.2	0.1	-	0.1	ND	5.7	2.1	1.3	0.1
08/88	0.3	ND	-	ND	1.2	1.9	1.2	1.3	ND
10/88	0.4	ND	-	0.3	ND	4.4	0.7	4.0	0.2
12/88	0.3	0.2	-	ND	ND	1.5	6.0	0.4	ND
02/89	0.3	0.2	-	ND	ND	1.7	5.0	1.2	1.1
04/89	0.5	ND	-	0.1	ND	0.8	1.0	1.2	0.2
06/89	0.6	0.2	-	ND	ND	0.3	1.1	0.5	ND
08/89	19.0	0.2	-	0.1	0.2	2.9	4.3	0.6	ND
10/89	0.2	0.2	-	1.5	ND	4.0	1.8	2.7	0.4
12/89	0.3	ND	-	0.6	ND	4.0	2.8	1.9	0.9
02/90	0.6	ND	-	0.5	ND	2.2	1.0	0.9	0.1
03/91	0.6	0.3	-	0.5	0.1	1.0	0.2	3.0	<0.1[4]
09/91	1.4	0.3	-	0.6	0.2	1.0	0.2	1.6	<0.1
03/92	0.4	<0.1	-	0.2	<0.1	0.2	0.2	0.4	<1[5]
09/92	0.5	0.2	-	<0.1	0.2	0.7	0.4	0.4	<0.1
03/93	<0.1	0.4	-	<0.1	<0.1	0.4	<0.1	0.8	<0.1
09/93	NS[6]	NS[6]	-	<0.1	NS	0.3	0.2	0.6	NS
05/94	0.2	NS[6]	-	<0.1	<0.1	0.2	0.2	0.2	<0.1
11/94	0.1	NS[6]	-	<0.1	<0.1	0.2	0.2	0.2	<0.1

1. All data from April 1986 to February 1990 were taken from the ESI report of February 23, 1990
2. µg/l= micrograms per liter
3. ND = not detected at or above the method reporting limit
4. < = not detected at or above the specified method reporting limit
5. Elevated method reporting limit due to matrix interference
6. NS = not sampled
7. AB = Well abandoned during Amtrak Station construction

Table 2-2a
Analytical Results[1]
Shallow Wells (µg/l)[2]
(Continued)

Polychlorinated Biphenyls (PCBs) as Total Aroclors									
	Monitoring Wells								
Date	S-1	S-2	S-2R	S-3	S-4	S-5	S-6	S-7	S-8
05/95	0.6	NS[6]	<0.1	<0.1	<0.1	0.4	<0.1	<0.1	<0.1
11/95	<1	NS[6]	<1	<1	<1	<1	<1	<1	<1
05/96	<0.1	NS[6]	<0.1	<0.1	<0.1	0.8	<0.1	<0.1	<0.1
04/97	ND	AB[7]	ND	ND	ND	ND	ND	ND	ND
5/98	<0.1	AB[7]	<0.1	0.13	<0.1	0.13	<0.1	<0.1	<0.1

1. All data from April 1986 to February 1990 were taken from the ESI report of February 23, 1990
2. µg/l= micrograms per liter
3. ND = not detected at or above the method reporting limit
4. < = not detected at or above the specified method reporting limit
5. Elevated method reporting limit due to matrix interference
6. NS = not sampled
7. AB = Well abandoned during Amtrak Station construction

Table 2-2b
Analytical Results[1]
Deep Wells (µg/l)[2]

Polychlorinated Biphenyls (PCBs) as Total Aroclors							
	Monitoring Wells						
Date	D-1	D-2	D-2R	D-3	D-4	D-5	D-6
04/86	ND[3]	ND	-	ND	ND	ND	14.3
06/86	ND	ND	-	ND	ND	ND	1.8
08/86	0.1	ND	-	ND	ND	0.2	6.7
10/86	ND	ND	-	ND	ND	ND	3.2
12/86	ND	ND	-	ND	ND	0.8	8.4
02/87	ND	ND	-	ND	ND	0.5	5.5
04/87	ND	ND	-	ND	0.3	ND	1.9
06/87	ND	ND	-	ND	ND	0.2	6.0
08/87	0.4	ND	-	ND	ND	ND	3.1
10/87	0.1	ND	-	ND	0.2	0.3	4.4
12/87	ND	ND	-	0.1	ND	0.5	1.8
02/88	ND	0.1	-	ND	ND	0.4	0.6
04/88	ND	ND	-	ND	ND	1.9	1.6
06/88	ND	0.1	-	ND	ND	1.5	3.2
08/88	ND	1.5	-	ND	ND	0.7	4.9
10/88	ND	1.8	-	0.3	0.2	31.0	1.4
12/88	ND	0.3	-	0.4	ND	5.2	21.9
02/89	ND	0.3	-	0.3	ND	2.8	8.0
04/89	ND	0.2	-	ND	ND	2.1	8.8
06/89	ND	0.7	-	ND	ND	0.5	3.9
08/89	ND	ND	-	ND	0.2	5.3	4.2
10/89	ND	0.1	-	0.4	ND	2.7	8.4
12/89	ND	0.3	-	ND	ND	3.0	6.7
02/90	ND	0.2	-	0.2	ND	5.0	4.5
03/91	<0.1[4]	0.2	-	0.1	<0.1	0.2	1.0
09/91	<0.1	<0.1	-	<0.1	<0.1	<0.2	0.4
03/92	<0.1	<0.1	-	<0.1	<0.1	<0.1	0.2
09/92	<0.1	<0.1	-	<0.1	<0.1	0.2	0.3
03/93	0.1	<0.1	-	<0.1	<0.1	<0.1	0.5
09/93	NS[5]	NS[5]	-	<0.1	NS	0.1	0.3
05/94	NA[6]	NS[5]	-	<0.1	<0.1	<0.1	0.4
11/94	NA[6]	NS[5]	-	<0.1	<0.1	<0.1	0.8
05/95	<0.1	NS[5]	<0.1	<0.1	0.1	<0.1	<0.1
11/95	<1	NS[5]	<1	<1	<1	<1	<1
05/96	<0.1	NS[5]	<0.1	<0.1	<0.1	0.5	<0.1
04/97	ND	AB[7]	ND	ND	ND	ND	ND
05/98	<0.1	AB[7]	<0.1	<0.1	<0.1	<0.1	<0.1

1. All data from April 1986 to February 1990 were taken from the ESI report of February 23, 1990
2. µg/l = micrograms per liter
3. ND = not detected at or above the method reporting limit
4. < = not detected at or above the specified method reporting limit
5. NS = not sampled
6. NA = not accessible. Well casing bent
7. AB = Well abandoned during Amtrak Station construction

Table 2-3
Results of Grab Groundwater Samples
Taken by EMCON, July 1995
Former Westinghouse Facility
Emeryville, California

CHEMICAL NAME	TP-1	TP-2	TP-3	TP-6
ACETONE	ND	**45.0**	ND	ND
CHLOROFORM	ND	ND	**1.0**	ND
CARBON TETRACHLORIDE	ND	ND	**1.0**	ND
1,4-DICHLOROBENZENE	ND	ND	ND	**3.0**
TPH*	ND	**56.0**	ND	**61.0**
TOLUENE	ND	**0.8**	ND	ND
ETHYLBENZENE	ND	**1.0**	ND	ND
XYLENE, TOTAL	ND	**0.7**	ND	ND
PCB- AROCLOR 1260	**0.4**	ND	ND	**34.0**
ENDOSULFAN II	ND	ND	ND	**2.7**
ENDRIN ALDEHYDE	ND	ND	ND	**1.6**

Concentrations in ug/L (ppb)
No analytes were detected in TP-4 and TP-5
Chemicals not listed were not detected
ND = Not Detected
* TPH as Gasoline

Table 2-4

PCB Concentrations Reported in Soil Samples in Northern Portion of Site
Former Westinghouse Apparatus Service Plant, Emeryville, California

Boring ID	Depth (feet)	Concentration (ppm)
Northwest Portion of Site (Inside Containment Area)		
B-6	1.0	12000
	2.5	7400
	4.0	3800
B-7	1.0	27
	4.0	0.73
	5.5	0.14
	7.0	0.05
	8.5	0.14
B-8	1.0	5000
	2.5	130
	4.0	550
B-9	0.5	37000
	2.5	470
	4.0	2500
B-10	4.0	33
	5.5	<0.05
B-11	2.5	130
	3.5	13
	5.5	0.23
B-12	1.5	480
	3.0	49
	5.0	<0.05
	6.5	<0.05
B-13	2.5	250
	3.0	82
	4.5	54
	5.5	23
B-14	2.5	18
	5.5	<0.05
	8.0	20
	9.0	<0.05

Table 2-4

PCB Concentrations Reported in Soil Samples in Northern Portion of Site
Former Westinghouse Apparatus Service Plant, Emeryville, California

Boring ID	Depth (feet)	Concentration (ppm)
B-15	3.0	304
	5.0	140
	6.0	300
	8.0	5.0
	11.0	98
B-16	1.0	550
	2.5	4500
	5.0	38
	8.5	0.12
	11.0	<0.05
B-26	6.5	<0.05
	12.0	<0.05
	17.0	<0.05
	27.0	170
	32.0	<0.05
W-2	0.0	240
	0.5	70
	1.0	0.66
	1.5	33
	2.0	2.3
	2.5	3.5
	5.0	4.2
	5.5	<0.05
	6.0	0.56
W-17	6.0	4700
	11.5	300
	16.5	70
	21.5	5.5
	26.5	14
	31.5	0.22
	39.5	0.08
WCC-2	1.0	230
	3.5	31
	6.0	800
	8.5	28
WCC-4	3.5	100
WCC-5	1.0	3200

Table 2-4

PCB Concentrations Reported in Soil Samples in Northern Portion of Site
Former Westinghouse Apparatus Service Plant, Emeryville, California

Boring ID	Depth (feet)	Concentration (ppm)
	6.0	1300
	11.0	430
	16.0	0.6
	26.0	ND
	36.0	ND
WCC-6	1.0	2.6
	6.0	ND
	8.5	ND
	11.0	ND
WCC-7	2.0	ND
	3.5	ND
	6.0	ND
	8.5	ND
	31.0	ND
WCC-11	1.5	ND
	7.5	ND
	12.5	ND
	20.0	ND
	30.0	ND
	40.0	ND
WCC-12	1.5	2.2
	8.5	220
	13.5	100
	16.0	11
	21.0	ND
	32.0	0.83
	37.0	ND
	42.0	ND
WCC-13	1.5	3.7
	6.0	ND
	11.0	ND
	16.0	ND
	26.0	ND
	31.0	ND
	41.0	ND

Northwest Portion of Site
(Outside Containement Area)

Table 2-4

PCB Concentrations Reported in Soil Samples in Northern Portion of Site
Former Westinghouse Apparatus Service Plant, Emeryville, California

Boring ID	Depth (feet)	Concentration (ppm)
B-5	1.0	96
	4.5	150
	5.5	1.4
	6.5	0.73
	7.5	<0.05
W-1	2.5	0.17
	3.5	<0.05
	4.0	<0.05
	5.0	0.2
	5.5	<0.05
	7.0	<0.05
W-3	0.5	--
	1.0	25
	1.5	330
	2.0	99
	2.5	51
	3.0	1.4
	3.5	22
	4.0	13
	4.5	0.11
	5.5	1.3
	6.0	<0.05
	7.0	<0.05
	7.5	<0.05
	8.0	0.75
	8.5	<0.05
	9.0	<0.05
WCC-1	1.0	100
	3.5	ND
	6.0	ND
	8.5	ND
WCC-3	1.0	44
	3.5	ND
	6.0	ND
	10.0	ND
WCC-10	6.0	ND
WCC-14	3.5	ND
	16.0	ND

Table 2-4

PCB Concentrations Reported in Soil Samples in Northern Portion of Site
Former Westinghouse Apparatus Service Plant, Emeryville, California

Boring ID	Depth (feet)	Concentration (ppm)
Under Concrete Slab North of Building		
B-4	1.5	2.7
	3.0	0.23
	5.5	20
	7.5	0.57
	9.0	0.08
	10.5	<0.05
	11.5	<0.05
B-30	2.1	2.4
	6.2	0.11
	8.5	0.09
	14.5	0.11
B-31	1.8	63
	3.8	3.0
	5.9	0.07
	12.0	0.2
	16.5	0.07
B-32	1.9	330
	3.6	0.46
	7.7	1.5
	9.7	<0.05
	14.5	<0.05
B-33	1.4	42
	4.2	120
	5.0	80
B-34	1.0	2.2
	2.1	0.7
	6.0	<0.05
	8.2	<0.05
	9.0	0.11
B-35	1.5	77
	6.0	<0.05
	8.0	<0.05
	10.0	<0.05
B-36	0.5	5.9

Table 2-4

PCB Concentrations Reported in Soil Samples in Northern Portion of Site Former Westinghouse Apparatus Service Plant, Emeryville, California

Boring ID	Depth (feet)	Concentration (ppm)
	3.0	0.07
	4.8	<0.05
	9.5	<0.05
ES-1	1.0	49
ES-2	1.0	260
	2.5	190
ES-3	1.0	450
	2.5	19

Source of Data: EMCON, 1993, Westinghouse Emeryville Data Summary Report, Figure 3-1.

Table 2-5
Results of Soil Samples Collected
from Borings Drilled by EMCON, July 1995
Former Westinghouse Facility
Emeryville, California

Chemical Name	B2-2.0'	B8-2.0'	B9-1.5'	B10-1.6'	B11-1.5'	B14-2.8'	B15-2.0'	B17-2.5'
BIS(2-ETHYLHEXYL)PHTHALATE	**0.3**	ND	ND	**0.4**	**0.3**	**0.5**	**1.3**	**0.7**
FLOURANTHENE	ND	**0.5**	ND	ND	ND	ND	ND	ND
PYRENE	ND	**0.5**	ND	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE	ND	ND	**4**	ND	ND	ND	ND	ND
1,2,4-TRICHLOROBENZENE	ND	ND	ND	ND	**0.5**	ND	ND	ND

Concentrations in mg/Kg (ppm)
Chemicals and borings not listed were not detected
ND = Not Detected

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-1	Aroclor 1016	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Aroclor 1221	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Aroclor 1232	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Aroclor 1242	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Aroclor 1248	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Aroclor 1254	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Aroclor 1260	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Gasoline	5/1/98	0.05	ND	W/P	N/A
Inside UST-1	Acetone	5/1/98	0.05	ND	W/P	N/A
Inside UST-1	Benzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Bromobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Bromochloromethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-1	Bromodichloromethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Bromoform	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Bromomethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-1	2-Butanone	5/1/98	0.05	ND	W/P	N/A
Inside UST-1	2-Chloroethylvinylether	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Carbon disulfide	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Carbon tetrachloride	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Chlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Chloroethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-1	Chloroform	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Chloromethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-1	Dibromochloromethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,2-Dibromo-3-chloropropane	5/1/98	0.005	ND	W/P	N/A
Inside UST-1	1,2-Dibromoethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Dibromoethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,2-Dichlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,3-Dichlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,4-Dichlorobenzene	5/1/98	0.0005	ND	W/P	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-1	1,1-Dichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,2-Dichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,1-Dichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	cis-1,2-Dichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	trans-1,2-Dichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,2-Dichloropropane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	cis-1,3-dichloropropene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	trans-1,3-dichloropropene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Ethylbenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	2-Hexanone	5/1/98	0.05	ND	W/P	N/A
Inside UST-1	Isopropylbenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Methylene chloride	5/1/98	0.003	ND	W/P	N/A
Inside UST-1	4-Methyl-2-pentanone	5/1/98	0.05	ND	W/P	N/A
Inside UST-1	Naphthalene	5/1/98	0.001	ND	W/P	N/A
Inside UST-1	Styrene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,1,1,2-Tetrachloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,1,2,2-Tetrachloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Tetrachloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Toluene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,1,1-Trichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	1,1,2-Trichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Thrichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Trichlorofluoromethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Trichlorotrifluoroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Vinyl acetate	5/1/98	0.005	ND	W/P	N/A
Inside UST-1	Vinyl chloride	5/1/98	0.0005	ND	W/P	N/A
Inside UST-1	Total Xylenes	5/1/98	0.001	ND	W/P	N/A
Inside UST-1	TPH-Diesel	5/1/98	0.05	7	W/P	N/A
Inside UST-1	TPH-Oil	5/1/98	0.05	0.97	W/P	N/A
Inside UST-2	Aroclor 1016	5/1/98	0.0005	ND	W/P	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-2	Aroclor 1221	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Aroclor 1232	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Aroclor 1242	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Aroclor 1248	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Aroclor 1254	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Aroclor 1260	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Gasoline	5/1/98	0.05	ND	W/P	N/A
Inside UST-2	Acetone	5/1/98	0.05	ND	W/P	N/A
Inside UST-2	Benzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Bromobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Bromochloromethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-2	Bromodichloromethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Bromoform	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Bromomethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-2	2-Butanone	5/1/98	0.05	ND	W/P	N/A
Inside UST-2	2-Chloroethylvinylether	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Carbon tetrachloride	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Chlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Chloroethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-2	Chloroform	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Chloromethane	5/1/98	0.001	ND	W/P	N/A
Inside UST-2	Dibromochloromethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,2-Dibromo-3-chloropropane	5/1/98	0.005	ND	W/P	N/A
Inside UST-2	1,2-Dibromoethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Dibromoethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,2-Dichlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,3-Dichlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,4-Dichlorobenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,1-Dichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,2-Dichloroethane	5/1/98	0.0005	ND	W/P	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-2	1,1-Dichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	cis-1,2-Dichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	trans-1,2-Dichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,2-Dichloropropane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	cis-1,3-dichloropropene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	trans-1,3-dichloropropene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Ethylbenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	2-Hexanone	5/1/98	0.05	ND	W/P	N/A
Inside UST-2	Isopropylbenzene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Methylene chloride	5/1/98	0.003	ND	W/P	N/A
Inside UST-2	4-Methyl-2-pentanone	5/1/98	0.05	ND	W/P	N/A
Inside UST-2	Naphthalene	5/1/98	0.001	ND	W/P	N/A
Inside UST-2	Styrene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,1,1,2-Tetrachloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,1,2,2-Tetrachloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Tetrachloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Toluene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,1,1-Trichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	1,1,2-Trichloroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Thrichloroethene	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Trichlorofluoromethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Trichlorotrifluoroethane	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Vinyl acetate	5/1/98	0.005	ND	W/P	N/A
Inside UST-2	Vinyl chloride	5/1/98	0.0005	ND	W/P	N/A
Inside UST-2	Total Xylenes	5/1/98	0.001	ND	W/P	N/A
Inside UST-2	TPH-Diesel	5/1/98	0.05	5.3	W/P	N/A
Inside UST-2	TPH-Oil	5/1/98	0.05	1.3	W/P	N/A
UST-3 Connector Pipe	PCB 1016	5/8/98	0.00005	ND	W/P	1
UST-3 Connector Pipe	PCB 1221	5/8/98	0.0004	ND	W/P	1
UST-3 Connector Pipe	PCB 1232	5/8/98	0.0001	ND	W/P	1

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
UST-3 Connector Pipe	PCB 1242	5/8/98	0.0001	ND	W/P	1
UST-3 Connector Pipe	PCB 1248	5/8/98	0.0001	ND	W/P	1
UST-3 Connector Pipe	PCB 1254	5/8/98	0.0001	ND	W/P	1
UST-3 Connector Pipe	PCB 1260	5/8/98	0.0001	0.00028	W/P	1
UST-3 Connector Pipe	TPH-g	5/8/98	0.05	ND	W/P	1
UST-3 Connector Pipe	TPH-Diesel	5/8/98	0.05	0.383	W/P	1
UST-3 Connector Pipe	TPH-Oil	5/8/98	0.1	0.332	W/P	1
UST-1/UST-2 Pit Sludge	Benzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Bromobenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Bromochloromethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Bromodichloromethane	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	Bromoform	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Bromomethane	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	n-Butylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	sec-Butylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	tert-Butylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Carbon Tetrachloride	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Chlorobenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Chloroethane	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	Chloroform	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	Chloromethane	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	2-Chlorotoluene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	4-Chlorotoluene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Dibromochloromethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2-Dibromo-3chloropropane	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	1,2-Dibromoethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Dibromomethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2-Dichlorobenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,3-Dichlorobenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,4-Dichlorobenzene	5/11/98	0.005	ND	S	7

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
UST-1/UST-2 Pit Sludge	Dichlorodifluoromethane	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	1,1-Dichloroethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2-Dichloroethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,1-Dichloroethene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	cis-1,2-Dichloroethene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	trans-1,2,Dichloroethene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2-Dichloropropane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,3-Dichloropropane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	2,2-Dichloropropane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,1-Dichloropropane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Ethylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Hexachlorobutadiene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Isopropylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	p-Isopropyltoluene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Methylene Chloride	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	Naphthalene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	n-Propylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Styrene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,1,1,2-Tetrachloroethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,1,2,2-Tetrachloroethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Tetrachloroethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Toluene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2,3-Trichlorobenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2,4-Trichlorobenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,1,1-Tricholrorethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,1,2-Trichloroethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Trichloroethene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Trichlorofluoromethane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2,3-Trichloropropane	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	1,2,4-Trimethylbenzene	5/11/98	0.005	ND	S	7

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
UST-1/UST-2 Pit Sludge	1,3,5-Trimethylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Vinyl Chloride	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	Xylenes, Total	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	Acetone	5/11/98	0.1	ND	S	7
UST-1/UST-2 Pit Sludge	2-Butanone	5/11/98	0.1	ND	S	7
UST-1/UST-2 Pit Sludge	Carbon Disulfide	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	cis-1,3-Dichloropropene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	trans-1,3-Dichloropropene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	2-Hexanone	5/11/98	0.05	ND	S	7
UST-1/UST-2 Pit Sludge	4-Methyl-2pentanone	5/11/98	0.05	ND	S	7
UST-1/UST-2 Pit Sludge	Vinyl Acetate	5/11/98	0.05	ND	S	7
UST-1/UST-2 Pit Sludge	2-Chloroethyl Vinyl Ether	5/11/98	0.01	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1016	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1221	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1232	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1242	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1248	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1254	5/11/98	0.02	ND	S	7
UST-1/UST-2 Pit Sludge	PCB 1260	5/11/98	0.02	2.04	S	7
UST-1/UST-2 Pit Sludge	Benzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Toluene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	Ethylbenzene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	T-Xylene	5/11/98	0.005	ND	S	7
UST-1/UST-2 Pit Sludge	TPH-Gas	5/11/98	0.05	ND	S	7
UST-1/UST-2 Pit Sludge	TPH-Diesel	5/11/98	1	1430	S	7
UST-1/UST-2 Pit Sludge	TPH-Oil	5/11/98	2.5	1260	S	7
Inside UST-3 Tank	Silver	5/12/98	0.25	ND	S	N/A
Inside UST-3 Tank	Arsenic	5/12/98	1	7.9	S	N/A
Inside UST-3 Tank	Barium	5/12/98	1	44.5	S	N/A
Inside UST-3 Tank	Beryllium	5/12/98	0.75	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-3 Tank	Cadmium	5/12/98	0.75	ND	S	N/A
Inside UST-3 Tank	Cobalt	5/12/98	1	7.5	S	N/A
Inside UST-3 Tank	Chromium(III)	5/12/98	0.25	39.4	S	N/A
Inside UST-3 Tank	Copper	5/12/98	0.75	17.4	S	N/A
Inside UST-3 Tank	Mercury	5/12/98	0.06	ND	S	N/A
Inside UST-3 Tank	Molybdenum	5/12/98	1	ND	S	N/A
Inside UST-3 Tank	Nickel	5/12/98	2	48	S	N/A
Inside UST-3 Tank	Lead	5/12/98	2	7	S	N/A
Inside UST-3 Tank	Antimony	5/12/98	2	ND	S	N/A
Inside UST-3 Tank	Selenium	5/12/98	1	ND	S	N/A
Inside UST-3 Tank	Thallium	5/12/98	2	ND	S	N/A
Inside UST-3 Tank	Vanadium	5/12/98	1	19.7	S	N/A
Inside UST-3 Tank	Zinc	5/12/98	0.75	31.9	S	N/A
Inside UST-3 Tank	Benzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Toluene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Ethylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	T-Xylene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	TPH-Gas	5/12/98	0.05	ND	S	N/A
Inside UST-3 Tank	TPH-Diesel	5/12/98	1	8.9	S	N/A
Inside UST-3 Tank	TPH-Oil	5/12/98	2.5	13.9	S	N/A
Inside UST-3 Tank	Benzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Bromobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Bromochloromethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Bromodichloromethane	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	Bromoform	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Bromomethane	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	n-Butylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	sec-Butylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	ter-Butylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Carbon Tetrachloride	5/12/98	0.005	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-3 Tank	Chlorobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Chloroethane	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	Chloroform	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	Chloromethane	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	2-Chlorotoluene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	4-Chlorotoluene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Dibromochloromethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2-Dibromo-3chloropropane	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	1,2-Dibromoethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Dibromomethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2-Dichlorobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,3-Dichlorobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,4-Dichlorobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Dichlorodifluoromethane	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	1,1-Dichloroethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2-Dichloroethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,1-Dichloroethene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	cis-1,2-Dichloroethene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	trans-1,2,Dichloroethene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2-Dichloropropane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,3-Dichloropropane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	2,2-Dichloropropane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,1-Dichloropropane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Ethylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Hexachlorobutadiene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Isopropylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	p-Isopropyltoluene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Methylene Chloride	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	Naphthalene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	n-Propylbenzene	5/12/98	0.005	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-3 Tank	Styrene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,1,1,2-Tetrachloroethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,1,2,2-Tetrachloroethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Tetrachloroethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Toluene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2,3-Trichlorobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2,4-Trichlorobenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,1,1-Tricholrorethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,1,2-Trichloroethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Trichloroethene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Trichlorofluoromethane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2,3-Trichloropropane	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,2,4-Trimethylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	1,3,5-Trimethylbenzene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	Vinyl Chloride	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	Xylenes, Total	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	Acetone	5/12/98	0.1	ND	S	N/A
Inside UST-3 Tank	2-Butanone	5/12/98	0.1	ND	S	N/A
Inside UST-3 Tank	Carbon Disulfide	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	cis-1,3-Dichloropropene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	trans-1,3-Dichloropropene	5/12/98	0.005	ND	S	N/A
Inside UST-3 Tank	2-Hexanone	5/12/98	0.05	ND	S	N/A
Inside UST-3 Tank	4-Methyl-2pentanone	5/12/98	0.05	ND	S	N/A
Inside UST-3 Tank	Vinyl Acetate	5/12/98	0.05	ND	S	N/A
Inside UST-3 Tank	2-Chloroethyl Vinyl Ether	5/12/98	0.01	ND	S	N/A
Inside UST-3 Tank	PCB 1016	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	PCB 1221	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	PCB 1232	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	PCB 1242	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	PCB 1248	5/12/98	0.02	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Inside UST-3 Tank	PCB 1254	5/12/98	0.02	ND	S	N/A
Inside UST-3 Tank	PCB 1260	5/12/98	0.02	ND	S	N/A
Outside UST-3 Tank	Silver	5/12/98	0.25	ND	S	3
Outside UST-3 Tank	Arsenic	5/12/98	1	11.4	S	3
Outside UST-3 Tank	Barium	5/12/98	1	217	S	3
Outside UST-3 Tank	Beryllium	5/12/98	0.75	0.95	S	3
Outside UST-3 Tank	Cadmium	5/12/98	0.75	ND	S	3
Outside UST-3 Tank	Cobalt	5/12/98	1	10.4	S	3
Outside UST-3 Tank	Chromium(III)	5/12/98	0.25	30.6	S	3
Outside UST-3 Tank	Copper	5/12/98	0.75	13	S	3
Outside UST-3 Tank	Mercury	5/12/98	0.06	0.08	S	3
Outside UST-3 Tank	Molybdenum	5/12/98	1	3.6	S	3
Outside UST-3 Tank	Nickel	5/12/98	2	44.7	S	3
Outside UST-3 Tank	Lead	5/12/98	2	7.2	S	3
Outside UST-3 Tank	Antimony	5/12/98	2	ND	S	3
Outside UST-3 Tank	Selenium	5/12/98	1	ND	S	3
Outside UST-3 Tank	Thallium	5/12/98	2	ND	S	3
Outside UST-3 Tank	Vanadium	5/12/98	1	27.2	S	3
Outside UST-3 Tank	Zinc	5/12/98	0.75	35	S	3
Outside UST-3 Tank	Benzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Toluene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Ethylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	T-Xylene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	TPH-Gas	5/12/98	0.05	ND	S	3
Outside UST-3 Tank	TPH-Diesel	5/12/98	1	2.2	S	3
Outside UST-3 Tank	TPH-Oil	5/12/98	2.5	3.5	S	3
Outside UST-3 Tank	Benzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Bromobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Bromochloromethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Bromodichloromethane	5/12/98	0.01	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Outside UST-3 Tank	Bromoform	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Bromomethane	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	n-Butylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	sec-Butylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	tert-Butylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Carbon Tetrachloride	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Chlorobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Chloroethane	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	Chloroform	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	Chloromethane	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	2-Chlorotoluene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	4-Chlorotoluene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Dibromochloromethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2-Dibromo-3chloropropane	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	1,2-Dibromoethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Dibromomethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2-Dichlorobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,3-Dichlorobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,4-Dichlorobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Dichlorodifluoromethane	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	1,1-Dichloroethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2-Dichloroethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,1-Dichloroethene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	cis-1,2-Dichloroethene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	trans-1,2,Dichloroethene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2-Dichloropropane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,3-Dichloropropane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	2,2-Dichloropropane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,1-Dichloropropane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Ethylbenzene	5/12/98	0.005	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Outside UST-3 Tank	Hexachlorobutadiene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Isopropylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	p-Isopropyltoluene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Methylene Chloride	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	Naphthalene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	n-Propylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Styrene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,1,1,2-Tetrachloroethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,1,2,2-Tetrachloroethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Tetrachloroethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Toluene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2,3-Trichlorobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2,4-Trichlorobenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,1,1-Tricholrorethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,1,2-Trichloroethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Trichloroethene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Trichlorofluoromethane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2,3-Trichloropropane	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,2,4-Trimethylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	1,3,5-Trimethylbenzene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	Vinyl Chloride	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	Xylenes, Total	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	Acetone	5/12/98	0.1	ND	S	3
Outside UST-3 Tank	2-Butanone	5/12/98	0.1	ND	S	3
Outside UST-3 Tank	Carbon Disulfide	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	cis-1,3-Dichloropropene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	trans-1,3-Dichloropropene	5/12/98	0.005	ND	S	3
Outside UST-3 Tank	2-Hexanone	5/12/98	0.05	ND	S	3
Outside UST-3 Tank	4-Methyl-2pentanone	5/12/98	0.05	ND	S	3
Outside UST-3 Tank	Vinyl Acetate	5/12/98	0.05	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Outside UST-3 Tank	2-Chloroethyl Vinyl Ether	5/12/98	0.01	ND	S	3
Outside UST-3 Tank	PCB 1016	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	PCB 1221	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	PCB 1232	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	PCB 1242	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	PCB 1248	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	PCB 1254	5/12/98	0.02	ND	S	3
Outside UST-3 Tank	PCB 1260	5/12/98	0.02	ND	S	3
Sample under UST-2	Silver	5/12/98	0.25	ND	S	7.5
Sample under UST-2	Arsenic	5/12/98	1	8.1	S	7.5
Sample under UST-2	Barium	5/12/98	1	64.8	S	7.5
Sample under UST-2	Beryllium	5/12/98	0.75	ND	S	7.5
Sample under UST-2	Cadmium	5/12/98	0.75	ND	S	7.5
Sample under UST-2	Cobalt	5/12/98	1	5.9	S	7.5
Sample under UST-2	Chromium(III)	5/12/98	0.25	17.4	S	7.5
Sample under UST-2	Copper	5/12/98	0.75	10.5	S	7.5
Sample under UST-2	Mercury	5/12/98	0.06	0.18	S	7.5
Sample under UST-2	Molybdenum	5/12/98	1	1.6	S	7.5
Sample under UST-2	Nickel	5/12/98	2	17.1	S	7.5
Sample under UST-2	Lead	5/12/98	2	12.9	S	7.5
Sample under UST-2	Antimony	5/12/98	2	ND	S	7.5
Sample under UST-2	Selenium	5/12/98	1	ND	S	7.5
Sample under UST-2	Thallium	5/12/98	2	ND	S	7.5
Sample under UST-2	Vanadium	5/12/98	1	17.6	S	7.5
Sample under UST-2	Zinc	5/12/98	0.75	41.6	S	7.5
Sample under UST-2	Benzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Toluene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Ethylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	T-Xylene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	TPH-Gas	5/12/98	0.05	ND	S	7.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Sample under UST-2	TPH-Diesel	5/12/98	1	30.8	S	7.5
Sample under UST-2	TPH-Oil	5/12/98	2.5	35.3	S	7.5
Sample under UST-2	Benzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Bromobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Bromochloromethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Bromodichloromethane	5/12/98	0.01	ND	S	7.5
Sample under UST-2	Bromoform	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Bromomethane	5/12/98	0.01	ND	S	7.5
Sample under UST-2	n-Butylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	sec-Butylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	tert-Butylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Carbon Tetrachloride	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Chlorobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Chloroethane	5/12/98	0.01	ND	S	7.5
Sample under UST-2	Chloroform	5/12/98	0.01	ND	S	7.5
Sample under UST-2	Chloromethane	5/12/98	0.01	ND	S	7.5
Sample under UST-2	2-Chlorotoluene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	4-Chlorotoluene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Dibromochloromethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2-Dibromo-3chloropropane	5/12/98	0.02	ND	S	7.5
Sample under UST-2	1,2-Dibromoethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Dibromomethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2-Dichlorobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,3-Dichlorobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,4-Dichlorobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Dichlorodifluoromethane	5/12/98	0.01	ND	S	7.5
Sample under UST-2	1,1-Dichloroethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2-Dichloroethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,1-Dichloroethene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	cis-1,2-Dichloroethene	5/12/98	0.005	ND	S	7.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Sample under UST-2	trans-1,2,Dichloroethene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2-Dichloropropane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,3-Dichloropropane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	2,2-Dichloropropane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,1-Dichloropropane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Ethylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Hexachlorobutadiene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Isopropylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	p-Isopropyltoluene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Methylene Chloride	5/12/98	0.02	ND	S	7.5
Sample under UST-2	Naphthalene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	n-Propylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Styrene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,1,1,2-Tetrachloroethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,1,2,2-Tetrachloroethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Tetrachloroethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Toluene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2,3-Trichlorobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2,4-Trichlorobenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,1,1-Tricholrorethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,1,2-Trichloroethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Trichloroethene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Trichlorofluoromethane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2,3-Trichloropropane	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,2,4-Trimethylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	1,3,5-Trimethylbenzene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	Vinyl Chloride	5/12/98	0.01	ND	S	7.5
Sample under UST-2	Xylenes, Total	5/12/98	0.01	ND	S	7.5
Sample under UST-2	Acetone	5/12/98	0.1	ND	S	7.5
Sample under UST-2	2-Butanone	5/12/98	0.1	ND	S	7.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Sample under UST-2	Carbon Disulfide	5/12/98	0.01	ND	S	7.5
Sample under UST-2	cis-1,3-Dichloropropene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	trans-1,3-Dichloropropene	5/12/98	0.005	ND	S	7.5
Sample under UST-2	2-Hexanone	5/12/98	0.05	ND	S	7.5
Sample under UST-2	4-Methyl-2pentanone	5/12/98	0.05	ND	S	7.5
Sample under UST-2	Vinyl Acetate	5/12/98	0.05	ND	S	7.5
Sample under UST-2	2-Chloroethyl Vinyl Ether	5/12/98	0.01	ND	S	7.5
Sample under UST-2	PCB 1016	5/12/98	0.02	ND	S	7.5
Sample under UST-2	PCB 1221	5/12/98	0.02	ND	S	7.5
Sample under UST-2	PCB 1232	5/12/98	0.02	ND	S	7.5
Sample under UST-2	PCB 1242	5/12/98	0.02	ND	S	7.5
Sample under UST-2	PCB 1248	5/12/98	0.02	ND	S	7.5
Sample under UST-2	PCB 1254	5/12/98	0.02	ND	S	7.5
Sample under UST-2	PCB 1260	5/12/98	0.02	ND	S	7.5
NW Sample Near UST-3	PCB 1016	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	PCB 1221	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	PCB 1232	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	PCB 1242	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	PCB 1248	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	PCB 1254	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	PCB 1260	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	TPH-Diesel	5/13/98	2.5	4.3	S	3
NW Sample Near UST-3	TPH-M.O.	5/13/98	2.5	16.5	S	3
NE Sample Near UST-3	TPH-Diesel	5/13/98	2.5	5	S	3
NE Sample Near UST-3	TPH-M.O.	5/13/98	2.5	20	S	3
NW Sample Near UST-3	Benzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Bromobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Bromochloromethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Bromodichloromethane	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	Bromoform	5/13/98	0.005	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NW Sample Near UST-3	Bromomethane	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	n-Butylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	sec-Butylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	tert-Butylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Carbon Tetrachloride	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Chlorobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Chloroethane	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	Chloroform	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Chloromethane	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	2-Chlorotoluene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	4-Chlorotoluene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Dibromochloromethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2-Dibromo-3chloropropane	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	1,2-Dibromoethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Dibromomethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2-Dichlorobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,3-Dichlorobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,4-Dichlorobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Dichlorodifluoromethane	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	1,1-Dichloroethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2-Dichloroethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,1-Dichloroethene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	cis-1,2-Dichloroethene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	trans-1,2,Dichloroethene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2-Dichloropropane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,3-Dichloropropane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	2,2-Dichloropropane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,1-Dichloropropane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Ethylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Hexachlorobutadiene	5/13/98	0.005	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NW Sample Near UST-3	Isopropylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	p-Isopropyltoluene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Methylene Chloride	5/13/98	0.02	ND	S	3
NW Sample Near UST-3	Naphthalene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	n-Propylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Styrene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,1,1,2-Tetrachloroethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,1,2,2-Tetrachloroethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Tetrachloroethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Toluene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2,3-Trichlorobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,1,1-Tricholrorethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,1,2-Trichloroethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Trichloroethene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Trichlorofluoromethane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2,3-Trichloropropane	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,2,4-Trimethylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	1,3,5-Trimethylbenzene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	Vinyl Chloride	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	Xylenes, Total	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	Acetone	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2-Butanone	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Carbon Disulfide	5/13/98	0.01	ND	S	3
NW Sample Near UST-3	cis-1,3-Dichloropropene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	trans-1,3-Dichloropropene	5/13/98	0.005	ND	S	3
NW Sample Near UST-3	2-Hexanone	5/13/98	0.05	ND	S	3
NW Sample Near UST-3	4-Methyl-2pentanone	5/13/98	0.05	ND	S	3
NW Sample Near UST-3	Vinyl Acetate	5/13/98	0.05	ND	S	3
NW Sample Near UST-3	2-Chloroethyl Vinyl Ether	5/13/98	0.01	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NW Sample Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Anthracene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Benzidine	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Chrysene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S	3
NW Sample Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NW Sample Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Fluorene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Isophorone	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Napthalene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Phenanthrene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	Pyrene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NW Sample Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S	3
NW Sample Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S	3
NW Sample Near UST-3	Phenol	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S	3
NW Sample Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	PCB 1016	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	PCB 1221	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	PCB 1232	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	PCB 1242	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	PCB 1248	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	PCB 1254	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	PCB 1260	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	Benzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Bromobenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Bromochloromethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Bromodichloromethane	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	Bromoform	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Bromomethane	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	n-Butylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	sec-Butylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	ter-Butylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Carbon Tetrachloride	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Chlorobenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Chloroethane	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	Chloroform	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Chloromethane	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	2-Chlorotoluene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	4-Chlorotoluene	5/13/98	0.005	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NE Sample Near UST-3	Dibromochloromethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2-Dibromo-3chloropropane	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	1,2-Dibromoethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Dibromomethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2-Dichlorobenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,3-Dichlorobenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,4-Dichlorobenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Dichlorodifluoromethane	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	1,1-Dichloroethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2-Dichloroethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,1-Dichloroethene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	cis-1,2-Dichloroethene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	trans-1,2,Dichloroethene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2-Dichloropropane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,3-Dichloropropane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	2,2-Dichloropropane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,1-Dichloropropane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Ethylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Hexachlorobutadiene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Isopropylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	p-Isopropyltoluene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Methylene Chloride	5/13/98	0.02	ND	S	3
NE Sample Near UST-3	Naphthalene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	n-Propylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Styrene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,1,1,2-Tetrachloroethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,1,2,2-Tetrachloroethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Tetrachloroethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Toluene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2,3-Trichlorobenzene	5/13/98	0.005	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NE Sample Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,1,1-Tricholrorethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,1,2-Trichloroethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Trichloroethene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Trichlorofluoromethane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2,3-Trichloropropane	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,2,4-Trimethylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	1,3,5-Trimethylbenzene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	Vinyl Chloride	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	Xylenes, Total	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	Acetone	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2-Butanone	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Carbon Disulfide	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	cis-1,3-Dichloropropene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	trans-1,3-Dichloropropene	5/13/98	0.005	ND	S	3
NE Sample Near UST-3	2-Hexanone	5/13/98	0.05	ND	S	3
NE Sample Near UST-3	4-Methyl-2pentanone	5/13/98	0.05	ND	S	3
NE Sample Near UST-3	Vinyl Acetate	5/13/98	0.05	ND	S	3
NE Sample Near UST-3	2-Chloroethyl Vinyl Ether	5/13/98	0.01	ND	S	3
NE Sample Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Anthracene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Benzidine	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NE Sample Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Chrysene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S	3
NE Sample Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Fluorene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Isophorone	5/13/98	0.1	ND	S	3

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
NE Sample Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Napthalene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Phenanthrene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	Pyrene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S	3
NE Sample Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S	3
NE Sample Near UST-3	Phenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S	3
NE Sample Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S	3
Stockpile Comp. Near UST-3	PCB 1016	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	PCB 1221	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	PCB 1232	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	PCB 1242	5/13/98	0.02	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Stockpile Comp. Near UST-3	PCB 1248	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	PCB 1254	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	PCB 1260	5/13/98	0.02	0.075	S	N/A
Stockpile Comp. Near UST-3	TPH-Diesel	5/13/98	2.5	35	S	N/A
Stockpile Comp. Near UST-3	TPH-M.O.	5/13/98	2.5	50	S	N/A
Stockpile Comp. Near UST-3	Benzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Bromobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Bromochloromethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Bromodichloromethane	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	Bromoform	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Bromomethane	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	n-Butylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	sec-Butylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	ter-Butylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Carbon Tetrachloride	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Chlorobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Chloroethane	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	Chloroform	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Chloromethane	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	2-Chlorotoluene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	4-Chlorotoluene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Dibromochloromethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2-Dibromo-3chloropropane	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	1,2-Dibromoethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Dibromomethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2-Dichlorobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,3-Dichlorobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,4-Dichlorobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Dichlorodifluoromethane	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	1,1-Dichloroethane	5/13/98	0.005	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Stockpile Comp. Near UST-3	1,2-Dichloroethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,1-Dichloroethene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	cis-1,2-Dichloroethene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	trans-1,2,Dichloroethene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2-Dichloropropane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,3-Dichloropropane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	2,2-Dichloropropane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,1-Dichloropropane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Ethylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Hexachlorobutadiene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Isopropylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	p-Isopropyltoluene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Methylene Chloride	5/13/98	0.02	ND	S	N/A
Stockpile Comp. Near UST-3	Naphthalene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	n-Propylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Styrene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,1,1,2-Tetrachloroethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,1,2,2-Tetrachloroethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Tetrachloroethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Toluene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2,3-Trichlorobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,1,1-Tricholrorethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,1,2-Trichloroethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Trichloroethene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Trichlorofluoromethane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2,3-Trichloropropane	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,2,4-Trimethylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	1,3,5-Trimethylbenzene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	Vinyl Chloride	5/13/98	0.01	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Stockpile Comp. Near UST-3	Xylenes, Total	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	Acetone	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2-Butanone	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Carbon Disulfide	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	cis-1,3-Dichloropropene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	trans-1,3-Dichloropropene	5/13/98	0.005	ND	S	N/A
Stockpile Comp. Near UST-3	2-Hexanone	5/13/98	0.05	ND	S	N/A
Stockpile Comp. Near UST-3	4-Methyl-2pentanone	5/13/98	0.05	ND	S	N/A
Stockpile Comp. Near UST-3	Vinyl Acetate	5/13/98	0.05	ND	S	N/A
Stockpile Comp. Near UST-3	2-Chloroethyl Vinyl Ether	5/13/98	0.01	ND	S	N/A
Stockpile Comp. Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Anthracene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Benzidine	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Stockpile Comp. Near UST-3	Chrysene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S	N/A
Stockpile Comp. Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Fluorene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Isophorone	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Napthalene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	Phenanthrene	5/13/98	0.1	ND	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Stockpile Comp. Near UST-3	Pyrene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S	N/A
Stockpile Comp. Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S	N/A
Stockpile Comp. Near UST-3	Phenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S	N/A
Stockpile Comp. Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S	N/A
Water/Sludge Near UST-3	PCB 1016	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	PCB 1221	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	PCB 1232	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	PCB 1242	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	PCB 1248	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	PCB 1254	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	PCB 1260	5/13/98	0.02	0.094	S	2.5
Water/Sludge Near UST-3	TPH-Diesel	5/13/98	2.5	100	S	2.5
Water/Sludge Near UST-3	TPH-M.O.	5/13/98	2.5	70	S	2.5
Water/Sludge Near UST-3	Benzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Bromobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Bromochloromethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Bromodichloromethane	5/13/98	0.01	ND	S	2.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Water/Sludge Near UST-3	Bromoform	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Bromomethane	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	n-Butylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	sec-Butylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	ter-Butylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Carbon Tetrachloride	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Chlorobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Chloroethane	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	Chloroform	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Chloromethane	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	2-Chlorotoluene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	4-Chlorotoluene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Dibromochloromethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2-Dibromo-3chloropropane	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	1,2-Dibromoethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Dibromomethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2-Dichlorobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,3-Dichlorobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,4-Dichlorobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Dichlorodifluoromethane	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	1,1-Dichloroethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2-Dichloroethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,1-Dichloroethene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	cis-1,2-Dichloroethene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	trans-1,2,Dichloroethene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2-Dichloropropane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,3-Dichloropropane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	2,2-Dichloropropane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,1-Dichloropropane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Ethylbenzene	5/13/98	0.005	ND	S	2.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Water/Sludge Near UST-3	Hexachlorobutadiene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Isopropylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	p-Isopropyltoluene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Methylene Chloride	5/13/98	0.02	ND	S	2.5
Water/Sludge Near UST-3	Naphthalene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	n-Propylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Styrene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,1,1,2-Tetrachloroethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,1,2,2-Tetrachloroethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Tetrachloroethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Toluene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2,3-Trichlorobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,1,1-Tricholrorethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,1,2-Trichloroethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Trichloroethene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Trichlorofluoromethane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2,3-Trichloropropane	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,2,4-Trimethylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	1,3,5-Trimethylbenzene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	Vinyl Chloride	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	Xylenes, Total	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	Acetone	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2-Butanone	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Carbon Disulfide	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	cis-1,3-Dichloropropene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	trans-1,3-Dichloropropene	5/13/98	0.005	ND	S	2.5
Water/Sludge Near UST-3	2-Hexanone	5/13/98	0.05	ND	S	2.5
Water/Sludge Near UST-3	4-Methyl-2pentanone	5/13/98	0.05	ND	S	2.5
Water/Sludge Near UST-3	Vinyl Acetate	5/13/98	0.05	ND	S	2.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Water/Sludge Near UST-3	2-Chloroethyl Vinyl Ether	5/13/98	0.01	ND	S	2.5
Water/Sludge Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Anthracene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Benzidine	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Chrysene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S	2.5
Water/Sludge Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S	2.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Water/Sludge Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Fluorene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Isophorone	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Napthalene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Phenanthrene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	Pyrene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S	2.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Water/Sludge Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S	2.5
Water/Sludge Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S	2.5
Water/Sludge Near UST-3	Phenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S	2.5
Water/Sludge Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S	2.5
Pipe to Former Truck Pit	PCB 1016	6/9/98	0.02	ND	S	3.5
Pipe to Former Truck Pit	PCB 1221	6/9/98	0.02	ND	S	3.5
Pipe to Former Truck Pit	PCB 1232	6/9/98	0.02	ND	S	3.5
Pipe to Former Truck Pit	PCB 1242	6/9/98	0.02	ND	S	3.5
Pipe to Former Truck Pit	PCB 1248	6/9/98	0.02	ND	S	3.5
Pipe to Former Truck Pit	PCB 1254	6/9/98	0.02	ND	S	3.5
Pipe to Former Truck Pit	PCB 1260	6/9/98	0.02	3.23	S	3.5
Pipe to Former Truck Pit	Benzene	6/9/98	0.005	ND	S	3.5
Pipe to Former Truck Pit	Toluene	6/9/98	0.005	ND	S	3.5
Pipe to Former Truck Pit	Ethylbenzene	6/9/98	0.005	ND	S	3.5
Pipe to Former Truck Pit	Total - Xylene	6/9/98	0.005	ND	S	3.5
Pipe to Former Truck Pit	TPH-Gas	6/9/98	0.05	ND	S	3.5
Pipe to Former Truck Pit	TPH-Diesel	6/9/98	1	330	S	3.5
Pipe to Former Truck Pit	TPH- Motor Oil	6/9/98	2.5	261	S	3.5
Unknown Pipe	PCB 1016	6/9/98	0.02	ND	S	5.5
Unknown Pipe	PCB 1221	6/9/98	0.02	ND	S	5.5
Unknown Pipe	PCB 1232	6/9/98	0.02	ND	S	5.5
Unknown Pipe	PCB 1242	6/9/98	0.02	ND	S	5.5
Unknown Pipe	PCB 1248	6/9/98	0.02	ND	S	5.5
Unknown Pipe	PCB 1254	6/9/98	0.02	ND	S	5.5
Unknown Pipe	PCB 1260	6/9/98	0.02	3.87	S	5.5
Unknown Pipe	Benzene	6/9/98	0.005	ND	S	5.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Unknown Pipe	Toluene	6/9/98	0.005	ND	S	5.5
Unknown Pipe	Ethylbenzene	6/9/98	0.005	ND	S	5.5
Unknown Pipe	Total - Xylene	6/9/98	0.005	ND	S	5.5
Unknown Pipe	TPH-Gas	6/9/98	0.05	ND	S	5.5
Unknown Pipe	TPH-Diesel	6/9/98	1	670	S	5.5
Unknown Pipe	TPH- Motor Oil	6/9/98	2.5	480	S	5.5
Soil Adj. to 59th St.	PCB 1016	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	PCB 1221	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	PCB 1232	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	PCB 1242	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	PCB 1248	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	PCB 1254	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	PCB 1260	6/9/98	0.02	ND	S	4.5
Soil Adj. to 59th St.	Benzene	6/9/98	0.005	ND	S	4.5
Soil Adj. to 59th St.	Toluene	6/9/98	0.005	ND	S	4.5
Soil Adj. to 59th St.	Ethylbenzene	6/9/98	0.005	ND	S	4.5
Soil Adj. to 59th St.	Total - Xylene	6/9/98	0.005	ND	S	4.5
Soil Adj. to 59th St.	TPH-Gas	6/9/98	0.05	ND	S	4.5
Soil Adj. to 59th St.	TPH-Diesel	6/9/98	1	13.9	S	4.5
Soil Adj. to 59th St.	TPH- Motor Oil	6/9/98	2.5	15.1	S	4.5
Old Oil Sump	PCB 1016	6/9/98	0.00005	ND	W/P	7
Old Oil Sump	PCB 1221	6/9/98	0.0004	ND	W/P	7
Old Oil Sump	PCB 1232	6/9/98	0.0001	ND	W/P	7
Old Oil Sump	PCB 1242	6/9/98	0.0001	ND	W/P	7
Old Oil Sump	PCB 1248	6/9/98	0.0001	ND	W/P	7
Old Oil Sump	PCB 1254	6/9/98	0.0001	ND	W/P	7
Old Oil Sump	PCB 1260	6/9/98	0.0001	0.015	W/P	7
Old Oil Sump	Benzene	6/9/98	0.005	ND	W/P	7
Old Oil Sump	Toluene	6/9/98	0.005	ND	W/P	7
Old Oil Sump	Ethylbenzene	6/9/98	0.005	ND	W/P	7

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Old Oil Sump	Total - Xylene	6/9/98	0.005	ND	W/P	7
Old Oil Sump	TPH-Gas	6/9/98	0.05	ND	W/P	7
Old Oil Sump	TPH-Diesel	6/9/98	0.05	0.6	W/P	7
Old Oil Sump	TPH- Motor Oil	6/9/98	0.1	0.95	W/P	7
Pit Water Near UST-1/ UST-2	PCB 1016	6/9/98	0.00005	ND	GW	4
Pit Water Near UST-1/ UST-2	PCB 1221	6/9/98	0.0004	ND	GW	4
Pit Water Near UST-1/ UST-2	PCB 1232	6/9/98	0.0001	ND	GW	4
Pit Water Near UST-1/ UST-2	PCB 1242	6/9/98	0.0001	ND	GW	4
Pit Water Near UST-1/ UST-2	PCB 1248	6/9/98	0.0001	ND	GW	4
Pit Water Near UST-1/ UST-2	PCB 1254	6/9/98	0.0001	ND	GW	4
Pit Water Near UST-1/ UST-2	PCB 1260	6/9/98	0.0001	0.149	GW	4
Pit Water Near UST-1/ UST-2	Benzene	6/9/98	0.005	ND	GW	4
Pit Water Near UST-1/ UST-2	Toluene	6/9/98	0.005	ND	GW	4
Pit Water Near UST-1/ UST-2	Ethylbenzene	6/9/98	0.005	ND	GW	4
Pit Water Near UST-1/ UST-2	Total - Xylene	6/9/98	0.005	ND	GW	4
Pit Water Near UST-1/ UST-2	TPH-Gas	6/9/98	0.05	ND	GW	4
Pit Water Near UST-1/ UST-2	TPH-Diesel	6/9/98	0.05	12.7	GW	4
Pit Water Near UST-1/ UST-2	TPH- Motor Oil	6/9/98	0.1	9.2	GW	4
N-Water	PCB 1016	6/23/98	0.05	ND	GW	7.5
N-Water	PCB 1221	6/23/98	0.4	ND	GW	7.5
N-Water	PCB 1232	6/23/98	0.1	ND	GW	7.5
N-Water	PCB 1242	6/23/98	0.1	ND	GW	7.5
N-Water	PCB 1248	6/23/98	0.1	ND	GW	7.5
N-Water	PCB 1260	6/23/98	0.1	4.44	GW	7.5
N-Water	TPH-Gas	6/23/98	0.05	ND	GW	7.5
N-Water	TPH-Diesel	6/23/98	0.05	20	GW	7.5
N-Water	TPH-Motor Oil	6/23/98	0.1	32	GW	7.5
S-Water	PCB 1016	6/23/98	0.05	ND	GW	7.5
S-Water	PCB 1221	6/23/98	0.4	ND	GW	7.5
S-Water	PCB 1232	6/23/98	0.1	ND	GW	7.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
S-Water	PCB 1242	6/23/98	0.1	ND	GW	7.5
S-Water	PCB 1248	6/23/98	0.1	ND	GW	7.5
S-Water	PCB 1254	6/23/98	0.1	ND	GW	7.5
S-Water	PCB 1260	6/23/98	0.1	1.22	GW	7.5
S-Water	TPH-Gas	6/23/98	0.05	ND	GW	7.5
S-Water	TPH-Diesel	6/23/98	0.05	25	GW	7.5
S-Water	TPH-Motor Oil	6/23/98	0.1	22	GW	7.5
Open Trench Water	PCB 1016	6/23/98	0.05	ND	GW	7.5
Open Trench Water	PCB 1221	6/23/98	0.4	ND	GW	7.5
Open Trench Water	PCB 1232	6/23/98	0.1	ND	GW	7.5
Open Trench Water	PCB 1242	6/23/98	0.1	ND	GW	7.5
Open Trench Water	PCB 1248	6/23/98	0.1	ND	GW	7.5
Open Trench Water	PCB 1254	6/23/98	0.1	ND	GW	7.5
Open Trench Water	PCB 1260	6/23/98	0.1	0.35	GW	7.5
Open Trench Water	TPH-Gas	6/23/98	0.05	ND	GW	7.5
Open Trench Water	TPH-Diesel	6/23/98	0.05	224	GW	7.5
Open Trench Water	TPH-Motor Oil	6/23/98	0.1	214	GW	7.5
N-Soil	PCB 1016	6/23/98	1	ND	S	7.5
N-Soil	PCB 1221	6/23/98	1	ND	S	7.5
N-Soil	PCB 1232	6/23/98	1	ND	S	7.5
N-Soil	PCB 1242	6/23/98	1	ND	S	7.5
N-Soil	PCB 1248	6/23/98	1	ND	S	7.5
N-Soil	PCB 1254	6/23/98	1	ND	S	7.5
N-Soil	PCB 1260	6/23/98	1	380	S	7.5
N-Soil	TPH-Gas	6/23/98	0.05	ND	S	7.5
N-Soil	TPH-Diesel	6/23/98	1	2480	S	7.5
N-Soil	TPH-Motor Oil	6/23/98	2.5	3040	S	7.5
S-Soil	PCB 1016	6/23/98	1	ND	S	7.5
S-Soil	PCB 1221	6/23/98	1	ND	S	7.5
S-Soil	PCB 1232	6/23/98	1	ND	S	7.5

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
S-Soil	PCB 1242	6/23/98	1	ND	S	7.5
S-Soil	PCB 1248	6/23/98	1	ND	S	7.5
S-Soil	PCB 1254	6/23/98	1	ND	S	7.5
S-Soil	PCB 1260	6/23/98	1	11.6	S	7.5
S-Soil	TPH-Gas	6/23/98	0.05	ND	S	7.5
S-Soil	TPH-Diesel	6/23/98	1	106	S	7.5
S-Soil	TPH-Motor Oil	6/23/98	2.5	129	S	7.5
SB-9	PCB 1260	6/28/98	0.001	0.37	GW	N/A
SB-9	TPH-Diesel	6/28/98	0.05	ND	GW	N/A
SB-9	PCB 1260	6/28/98	0.005	0.56	S	4
SB-9	TPH-Diesel	6/28/98	1	ND	S	4
SB-10	PCB 1260	6/28/98	0.001	0.42	GW	N/A
SB-10	TPH-Diesel	6/28/98	0.05	ND	GW	N/A
B-1	PCB 1260	7/7/98	0.01	ND	S	2
B-1	PCB 1260	7/7/98	0.01	0.29	S	4
B-1	PCB 1260	7/7/98	0.01	ND	S	6
B-1	PCB 1260	7/7/98	0.01	0.24	S	8
B-1	PCB 1260	7/7/98	0.01	0.24	S	10
B-1	PCB 1260	7/7/98	0.001	0.016	GW	N/A
B-1	TPH-Gasoline	7/7/98	1	ND	S	6
B-1	TPH-Gasoline	7/7/98	1	ND	S	8
B-1	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-1	Benzene	7/7/98	0.005	ND	S	6
B-1	Benzene	7/7/98	0.005	ND	S	8
B-1	Benzene	7/7/98	0.0005	ND	GW	N/A
B-1	Toluene	7/7/98	0.005	ND	S	6
B-1	Toluene	7/7/98	0.005	ND	S	8
B-1	Toluene	7/7/98	0.0005	ND	GW	N/A
B-1	Ethylbenzene	7/7/98	0.005	ND	S	6
B-1	Ethylbenzene	7/7/98	0.005	ND	S	8

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
B-1	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-1	Xylenes	7/7/98	0.005	ND	S	6
B-1	Xylenes	7/7/98	0.005	ND	S	8
B-1	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-2	PCB 1260	7/7/98	0.01	4.2	S	7
B-2	PCB 1260	7/7/98	0.001	0.16	GW	N/A
B-2	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-2	Benzene	7/7/98	0.0005	ND	GW	N/A
B-2	Toluene	7/7/98	0.0005	ND	GW	N/A
B-2	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-2	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-3	PCB 1260	7/7/98	0.01	0.15	S	2
B-3	PCB 1260	7/7/98	0.01	ND	S	4
B-3	PCB 1260	7/7/98	0.01	7	S	6
B-3	PCB 1260	7/7/98	0.01	2.4	S	8
B-3	PCB 1260	7/7/98	0.01	0.44	S	10
B-3	PCB 1260	7/7/98	0.001	0.59	GW	N/A
B-3	TPH-Gasoline	7/7/98	1	ND	S	6
B-3	TPH-Gasoline	7/7/98	1	ND	S	8
B-3	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-3	Benzene	7/7/98	0.005	ND	S	6
B-3	Benzene	7/7/98	0.005	ND	S	8
B-3	Benzene	7/7/98	0.0005	ND	GW	N/A
B-3	Toluene	7/7/98	0.005	ND	S	6
B-3	Toluene	7/7/98	0.005	ND	S	8
B-3	Toluene	7/7/98	0.0005	ND	GW	N/A
B-3	Ethylbenzene	7/7/98	0.005	ND	S	6
B-3	Ethylbenzene	7/7/98	0.005	ND	S	8
B-3	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-3	Xylenes	7/7/98	0.005	ND	S	6

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
B-3	Xylenes	7/7/98	0.005	ND	S	8
B-3	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-4	PCB 1260	7/7/98	0.01	ND	S	2
B-4	PCB 1260	7/7/98	0.01	ND	S	4
B-4	PCB 1260	7/7/98	0.01	2.3	S	6
B-4	PCB 1260	7/7/98	0.01	ND	S	8
B-4	PCB 1260	7/7/98	0.01	ND	S	10
B-4	PCB 1260	7/7/98	0.001	0.0042	GW	N/A
B-4	TPH-Gasoline	7/7/98	1	ND	S	8
B-4	TPH-Gasoline	7/7/98	1	ND	S	10
B-4	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-4	Benzene	7/7/98	0.005	ND	S	8
B-4	Benzene	7/7/98	0.005	ND	S	10
B-4	Benzene	7/7/98	0.0005	ND	GW	N/A
B-4	Toluene	7/7/98	0.005	ND	S	8
B-4	Toluene	7/7/98	0.005	ND	S	10
B-4	Toluene	7/7/98	0.0005	ND	GW	N/A
B-4	Ethylbenzene	7/7/98	0.005	ND	S	8
B-4	Ethylbenzene	7/7/98	0.005	ND	S	10
B-4	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-4	Xylenes	7/7/98	0.005	ND	S	8
B-4	Xylenes	7/7/98	0.005	ND	S	10
B-4	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-5	PCB 1260	7/7/98	0.01	3.8	S	2
B-5	PCB 1260	7/7/98	0.01	ND	S	4
B-5	PCB 1260	7/7/98	0.01	ND	S	6
B-5	PCB 1260	7/7/98	0.01	ND	S	8
B-5	PCB 1260	7/7/98	0.01	ND	S	10
B-5	PCB 1260	7/7/98	0.001	ND	GW	N/A
B-5	TPH-Gasoline	7/7/98	1	ND	S	8

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
B-5	TPH-Gasoline	7/7/98	1	ND	S	10
B-5	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-5	Benzene	7/7/98	0.005	ND	S	8
B-5	Benzene	7/7/98	0.005	ND	S	10
B-5	Benzene	7/7/98	0.0005	ND	GW	N/A
B-5	Toluene	7/7/98	0.005	ND	S	8
B-5	Toluene	7/7/98	0.005	ND	S	10
B-5	Toluene	7/7/98	0.0005	ND	GW	N/A
B-5	Ethylbenzene	7/7/98	0.005	ND	S	8
B-5	Ethylbenzene	7/7/98	0.005	ND	S	10
B-5	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-5	Xylenes	7/7/98	0.005	ND	S	8
B-5	Xylenes	7/7/98	0.005	ND	S	10
B-5	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-6	PCB 1260	7/7/98	0.01	ND	S	2
B-6	PCB 1260	7/7/98	0.01	ND	S	4
B-6	PCB 1260	7/7/98	0.01	ND	S	6
B-6	PCB 1260	7/7/98	0.01	ND	S	8
B-6	PCB 1260	7/7/98	0.01	ND	S	10
B-6	PCB 1260	7/7/98	0.001	ND	GW	N/A
B-6	TPH-Gasoline	7/7/98	1	ND	S	8
B-6	TPH-Gasoline	7/7/98	1	ND	S	10
B-6	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-6	Benzene	7/7/98	0.005	ND	S	8
B-6	Benzene	7/7/98	0.005	ND	S	10
B-6	Benzene	7/7/98	0.0005	ND	GW	N/A
B-6	Toluene	7/7/98	0.005	ND	S	8
B-6	Toluene	7/7/98	0.005	ND	S	10
B-6	Toluene	7/7/98	0.0005	ND	GW	N/A
B-6	Ethylbenzene	7/7/98	0.005	ND	S	8

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
B-6	Ethylbenzene	7/7/98	0.005	ND	S	10
B-6	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-6	Xylenes	7/7/98	0.005	ND	S	8
B-6	Xylenes	7/7/98	0.005	ND	S	10
B-6	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-7	PCB 1260	7/7/98	0.01	3.2	S	2
B-7	PCB 1260	7/7/98	0.01	0.29	S	4
B-7	PCB 1260	7/7/98	0.01	ND	S	6
B-7	PCB 1260	7/7/98	0.01	ND	S	8
B-7	PCB 1260	7/7/98	0.01	0.088	S	10
B-7	PCB 1260	7/7/98	0.001	ND	GW	N/A
B-7	TPH-Gasoline	7/7/98	1	ND	S	8
B-7	TPH-Gasoline	7/7/98	1	ND	S	10
B-7	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-7	Benzene	7/7/98	0.005	ND	S	8
B-7	Benzene	7/7/98	0.005	ND	S	10
B-7	Benzene	7/7/98	0.0005	ND	GW	N/A
B-7	Toluene	7/7/98	0.005	ND	S	8
B-7	Toluene	7/7/98	0.005	ND	S	10
B-7	Toluene	7/7/98	0.0005	ND	GW	N/A
B-7	Ethylbenzene	7/7/98	0.005	ND	S	8
B-7	Ethylbenzene	7/7/98	0.005	ND	S	10
B-7	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-7	Xylenes	7/7/98	0.005	ND	S	8
B-7	Xylenes	7/7/98	0.005	ND	S	10
B-7	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-8	PCB 1260	7/7/98	0.01	ND	S	2
B-8	PCB 1260	7/7/98	0.01	ND	S	4
B-8	PCB 1260	7/7/98	0.01	13	S	6
B-8	PCB 1260	7/7/98	0.01	ND	S	8

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
B-8	PCB 1260	7/7/98	0.01	0.3	S	10
B-8	PCB 1260	7/7/98	0.001	ND	GW	N/A
B-8	TPH-Gasoline	7/7/98	1	ND	S	8
B-8	TPH-Gasoline	7/7/98	1	ND	S	10
B-8	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-8	Benzene	7/7/98	0.005	ND	S	8
B-8	Benzene	7/7/98	0.005	ND	S	10
B-8	Benzene	7/7/98	0.0005	ND	GW	N/A
B-8	Toluene	7/7/98	0.005	ND	S	8
B-8	Toluene	7/7/98	0.005	ND	S	10
B-8	Toluene	7/7/98	0.0005	ND	GW	N/A
B-8	Ethylbenzene	7/7/98	0.005	ND	S	8
B-8	Ethylbenzene	7/7/98	0.005	ND	S	10
B-8	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-8	Xylenes	7/7/98	0.005	ND	S	8
B-8	Xylenes	7/7/98	0.005	ND	S	10
B-8	Xylenes	7/7/98	0.0005	ND	GW	N/A
B-9	PCB 1260	7/7/98	0.01	ND	S	2
B-9	PCB 1260	7/7/98	0.01	ND	S	4
B-9	PCB 1260	7/7/98	0.01	20	S	6
B-9	PCB 1260	7/7/98	0.01	14	S	8
B-9	PCB 1260	7/7/98	0.01	ND	S	10
B-9	PCB 1260	7/7/98	0.001	0.017	GW	N/A
B-9	TPH-Gasoline	7/7/98	1	ND	S	8
B-9	TPH-Gasoline	7/7/98	1	ND	S	10
B-9	TPH-Gasoline	7/7/98	0.05	ND	GW	N/A
B-9	Benzene	7/7/98	0.005	ND	S	8
B-9	Benzene	7/7/98	0.005	ND	S	10
B-9	Benzene	7/7/98	0.0005	ND	GW	N/A
B-9	Toluene	7/7/98	0.005	ND	S	8

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
B-9	Toluene	7/7/98	0.005	ND	S	10
B-9	Toluene	7/7/98	0.0005	ND	GW	N/A
B-9	Ethylbenzene	7/7/98	0.005	ND	S	8
B-9	Ethylbenzene	7/7/98	0.005	ND	S	10
B-9	Ethylbenzene	7/7/98	0.0005	ND	GW	N/A
B-9	Xylenes	7/7/98	0.005	ND	S	8
B-9	Xylenes	7/7/98	0.005	ND	S	10
B-9	Xylenes	7/7/98	0.0005	ND	GW	N/A
S-1	PCB 1260	7/10/98	0.01	1.4	S	N/A
S-1	TPH-Diesel	7/10/98	1	ND	S	N/A
S-1	TPH-Motor Oil	7/10/98	10	ND	S	N/A
S-2	PCB 1260	7/10/98	0.01	4	S	N/A
S-2	TPH-Diesel	7/10/98	1	ND	S	N/A
S-2	TPH-Motor Oil	7/10/98	10	ND	S	N/A
S-3	PCB 1260	7/10/98	0.01	2.1	S	N/A
S-3	TPH-Diesel	7/10/98	1	ND	S	N/A
S-3	TPH-Motor Oil	7/10/98	10	ND	S	N/A
S-4	PCB 1260	7/10/98	0.01	1.6	S	N/A
S-4	TPH-Diesel	7/10/98	1	ND	S	N/A
S-4	TPH-Motor Oil	7/10/98	10	ND	S	N/A
S-5	PCB 1260	7/10/98	0.01	ND	S	N/A
S-5	TPH-Diesel	7/10/98	1	ND	S	N/A
S-5	TPH-Motor Oil	7/10/98	10	ND	S	N/A
S-6	PCB 1260	7/10/98	0.01	ND	S	N/A
S-6	TPH-Diesel	7/10/98	1	ND	S	N/A
S-6	TPH-Motor Oil	7/10/98	10	ND	S	N/A
STK-C	PCB 1260	7/10/98	0.01	4.6	S	N/A
STK-C	TPH-Diesel	7/10/98	1	ND	S	N/A
STK-C	TPH-Motor Oil	7/10/98	10	ND	S	N/A
STK-N	PCB 1260	7/10/98	0.01	7.1	S	N/A

Table 2-6
Product, Soil and Groundwater Analytical Results During Tank Closure

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
STK-N	TPH-Diesel	7/10/98	1	ND	S	N/A
STK-N	TPH-Motor Oil	7/10/98	10	ND	S	N/A
STK-S	PCB 1260	7/10/98	0.01	6.5	S	N/A
STK-S	TPH-Diesel	7/10/98	1	ND	S	N/A
STK-S	TPH-Motor Oil	7/10/98	10	ND	S	N/A
W-1	PCB 1260	7/10/98	0.001	1.1	S	N/A
W-1	TPH-Diesel	7/10/98	0.05	ND	S	N/A
W-1	TPH-Motor Oil	7/10/98	0.5	ND	S	N/A

NOTE:
ND - Not Detected
N/A - Not Applicable
GW - Groundwater or Surface Water
W/P - Water/Product
S- Soil

Table 2-7
Off-Site Soil and Groundwater Analytical Results

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Outpit S1 Shallow	PCB 1016	6/23/98	1	ND	S	2
Outpit S1 Shallow	PCB 1221	6/23/98	1	ND	S	2
Outpit S1 Shallow	PCB 1232	6/23/98	1	ND	S	2
Outpit S1 Shallow	PCB 1242	6/23/98	1	ND	S	2
Outpit S1 Shallow	PCB 1248	6/23/98	1	ND	S	2
Outpit S1 Shallow	PCB 1254	6/23/98	1	ND	S	2
Outpit S1 Shallow	PCB 1260	6/23/98	1	136	S	2
Outpit S1 Shallow	TPH-Gas	6/23/98	0.05	ND	S	2
Outpit S1 Shallow	TPH-Diesel	6/23/98	1	156	S	2
Outpit S1 Shallow	TPH-Motor Oil	6/23/98	2.5	335	S	2
Outpit S2 Deep	PCB 1016	6/23/98	1	ND	S	4
Outpit S2 Deep	PCB 1221	6/23/98	1	ND	S	4
Outpit S2 Deep	PCB 1232	6/23/98	1	ND	S	4
Outpit S2 Deep	PCB 1242	6/23/98	1	ND	S	4
Outpit S2 Deep	PCB 1248	6/23/98	1	ND	S	4
Outpit S2 Deep	PCB 1254	6/23/98	1	ND	S	4
Outpit S2 Deep	PCB 1260	6/23/98	1	4.12	S	4
Outpit S2 Deep	TPH-Gas	6/23/98	0.05	ND	S	4
Outpit S2 Deep	TPH-Diesel	6/23/98	1	70	S	4
Outpit S2 Deep	TPH-Motor Oil	6/23/98	2.5	300	S	4
Outpit Water	PCB 1016	6/23/98	0.05	ND	GW	N/A
Outpit Water	PCB 1221	6/23/98	0.4	ND	GW	N/A
Outpit Water	PCB 1232	6/23/98	0.1	ND	GW	N/A
Outpit Water	PCB 1242	6/23/98	0.1	ND	GW	N/A
Outpit Water	PCB 1248	6/23/98	0.1	ND	GW	N/A
Outpit Water	PCB 1254	6/23/98	0.1	ND	GW	N/A
Outpit Water	PCB 1260	6/23/98	0.1	0.132	GW	N/A
Outpit Water	TPH-Gas	6/23/98	0.05	ND	GW	N/A
Outpit Water	TPH-Diesel	6/23/98	0.05	0.72	GW	N/A
Outpit Water	TPH-Motor Oil	6/23/98	0.1	1.9	GW	N/A
SB-1	PCB 1260	6/28/98	0.005	0.0099	S	0.5
SB-1	PCB 1260	6/28/98	0.005	ND	S	4
SB-2	PCB 1260	6/28/98	0.005	0.32	S	0.5
SB-2	PCB 1260	6/28/98	0.005	ND	S	4
SB-3	PCB 1260	6/28/98	0.005	ND	S	0.5
SB-3	PCB 1260	6/28/98	0.005	ND	S	4
SB-4	PCB 1260	6/28/98	0.005	0.057	S	0.5
SB-4	PCB 1260	6/28/98	0.005	0.062	S	4
SB-5	PCB 1260	6/28/98	0.005	3.8	S	0.5
SB-5	PCB 1260	6/28/98	0.005	2.7	S	4
SB-6	PCB 1260	6/28/98	0.005	0.36	S	0.5
SB-6	PCB 1260	6/28/98	0.005	ND	S	4
SB-7	PCB 1260	6/28/98	0.005	0.035	S	0.5
SB-7	PCB 1260	6/28/98	0.005	ND	S	4
SB-8	PCB 1260	6/28/98	0.005	ND	S	0.5
SB-8	PCB 1260	6/28/98	0.005	0.38	S	4
Open Pit S3	PCB 1260	7/10/98	0.01	3.5	S	N/A

Table 2-7
Off-Site Soil and Groundwater Analytical Results

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
Open Pit S3	TPH-Diesel	7/10/98	1	ND	S	N/A
Open Pit S3	TPH-Motor Oil	7/10/98	10	ND	S	N/A
Open Pit S4	PCB 1260	7/10/98	0.01	7	S	N/A
Open Pit S4	TPH-Diesel	7/10/98	1	ND	S	N/A
Open Pit S4	TPH-Motor Oil	7/10/98	10	ND	S	N/A
SB-11-W	TPH-Gas	7/20/98	50	1500	GW	N/A
SB-11-W	TPH-Diesel	7/20/98	50	ND	GW	N/A
SB-11-W	Benzene	7/20/98	0.5	3.2	GW	N/A
SB-11-W	Toluene	7/20/98	0.5	ND	GW	N/A
SB-11-W	Ethyl Benzene	7/20/98	0.5	13	GW	N/A
SB-11-W	Total Xylene	7/20/98	0.5	3	GW	N/A
SB-11-W	MTBE	7/20/98	0.5	ND	GW	N/A
SB-11-5	TPH-Gas	7/20/98	1	ND	S	5
SB-11-5	TPH-Diesel	7/20/98	1	ND	S	5
SB-11-5	Benzene	7/20/98	5	ND	S	5
SB-11-5	Toluene	7/20/98	5	ND	S	5
SB-11-5	Ethyl Benzene	7/20/98	5	ND	S	5
SB-11-5	Total Xylene	7/20/98	5	ND	S	5
SB-11-5	MTBE	7/20/98	5	ND	S	5
SB-11-10	TPH-Gas	7/20/98	1	ND	S	10
SB-11-10	TPH-Diesel	7/20/98	1	ND	S	10
SB-11-10	Benzene	7/20/98	5	ND	S	10
SB-11-10	Toluene	7/20/98	5	ND	S	10
SB-11-10	Ethyl Benzene	7/20/98	5	ND	S	10
SB-11-10	Total Xylene	7/20/98	5	ND	S	10
SB-11-10	MTBE	7/20/98	5	ND	S	10
SB-11-15	TPH-Gas	7/20/98	1	ND	S	15
SB-11-15	TPH-Diesel	7/20/98	1	ND	S	15
SB-11-15	Benzene	7/20/98	5	ND	S	15
SB-11-15	Toluene	7/20/98	5	ND	S	15
SB-11-15	Ethyl Benzene	7/20/98	5	ND	S	15
SB-11-15	Total Xylene	7/20/98	5	ND	S	15
SB-11-15	MTBE	7/20/98	5	ND	S	15
SB-11-20	TPH-Gas	7/20/98	1	ND	S	20
SB-11-20	TPH-Diesel	7/20/98	1	ND	S	20
SB-11-20	Benzene	7/20/98	5	ND	S	20
SB-11-20	Toluene	7/20/98	5	ND	S	20
SB-11-20	Ethyl Benzene	7/20/98	5	ND	S	20
SB-11-20	Total Xylene	7/20/98	5	ND	S	20
SB-11-20	MTBE	7/20/98	5	ND	S	20
SB-12-W	TPH-Gas	7/20/98	50	1200	GW	N/A
SB-12-W	TPH-Diesel	7/20/98	50	ND	GW	N/A
SB-12-W	Benzene	7/20/98	0.5	3.2	GW	N/A
SB-12-W	Toluene	7/20/98	0.5	ND	GW	N/A
SB-12-W	Ethyl Benzene	7/20/98	0.5	4.7	GW	N/A
SB-12-W	Total Xylene	7/20/98	0.5	19	GW	N/A
SB-12-W	MTBE	7/20/98	0.5	ND	GW	N/A
SB1-2-5	TPH-Gas	7/20/98	1	ND	S	5

Table 2-7
Off-Site Soil and Groundwater Analytical Results

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix	Depth ft.
SB-12-5	TPH-Diesel	7/20/98	1	ND	S	5
SB-12-5	Benzene	7/20/98	5	ND	S	5
SB-12-5	Toluene	7/20/98	5	ND	S	5
SB-12-5	Ethyl Benzene	7/20/98	5	ND	S	5
SB-12-5	Total Xylene	7/20/98	5	ND	S	5
SB-12-5	MTBE	7/20/98	5	ND	S	5
SB-12-10	TPH-Gas	7/20/98	1	ND	S	10
SB-12-10	TPH-Diesel	7/20/98	1	ND	S	10
SB-12-10	Benzene	7/20/98	5	ND	S	10
SB-12-10	Toluene	7/20/98	5	ND	S	10
SB-12-10	Ethyl Benzene	7/20/98	5	ND	S	10
SB-12-10	Total Xylene	7/20/98	5	ND	S	10
SB-12-10	MTBE	7/20/98	5	ND	S	10
SB-12-15	TPH-Gas	7/20/98	1	ND	S	15
SB-12-15	TPH-Diesel	7/20/98	1	ND	S	15
SB-12-15	Benzene	7/20/98	5	ND	S	15
SB-12-15	Toluene	7/20/98	5	ND	S	15
SB-12-15	Ethyl Benzene	7/20/98	5	ND	S	15
SB-12-15	Total Xylene	7/20/98	5	ND	S	15
SB-12-15	MTBE	7/20/98	5	ND	S	15
SB-12-20	TPH-Gas	7/20/98	1	ND	S	20
SB-12-20	TPH-Diesel	7/20/98	1	ND	S	20
SB-12-20	Benzene	7/20/98	5	ND	S	20
SB-12-20	Toluene	7/20/98	5	ND	S	20
SB-12-20	Ethyl Benzene	7/20/98	5	ND	S	20
SB-12-20	Total Xylene	7/20/98	5	ND	S	20
SB-12-20	MTBE	7/20/98	5	ND	S	20

NOTE:
ND - Not Detected
N/A - Not Applicable
GW - Groundwater or Surface Water
S- Soil
Location of B-1 and W-1 are the same as SB-11, see Figure 2-20
Location of B-2 and W-2 are the same as SB-12, see Figure 2-20

Figures

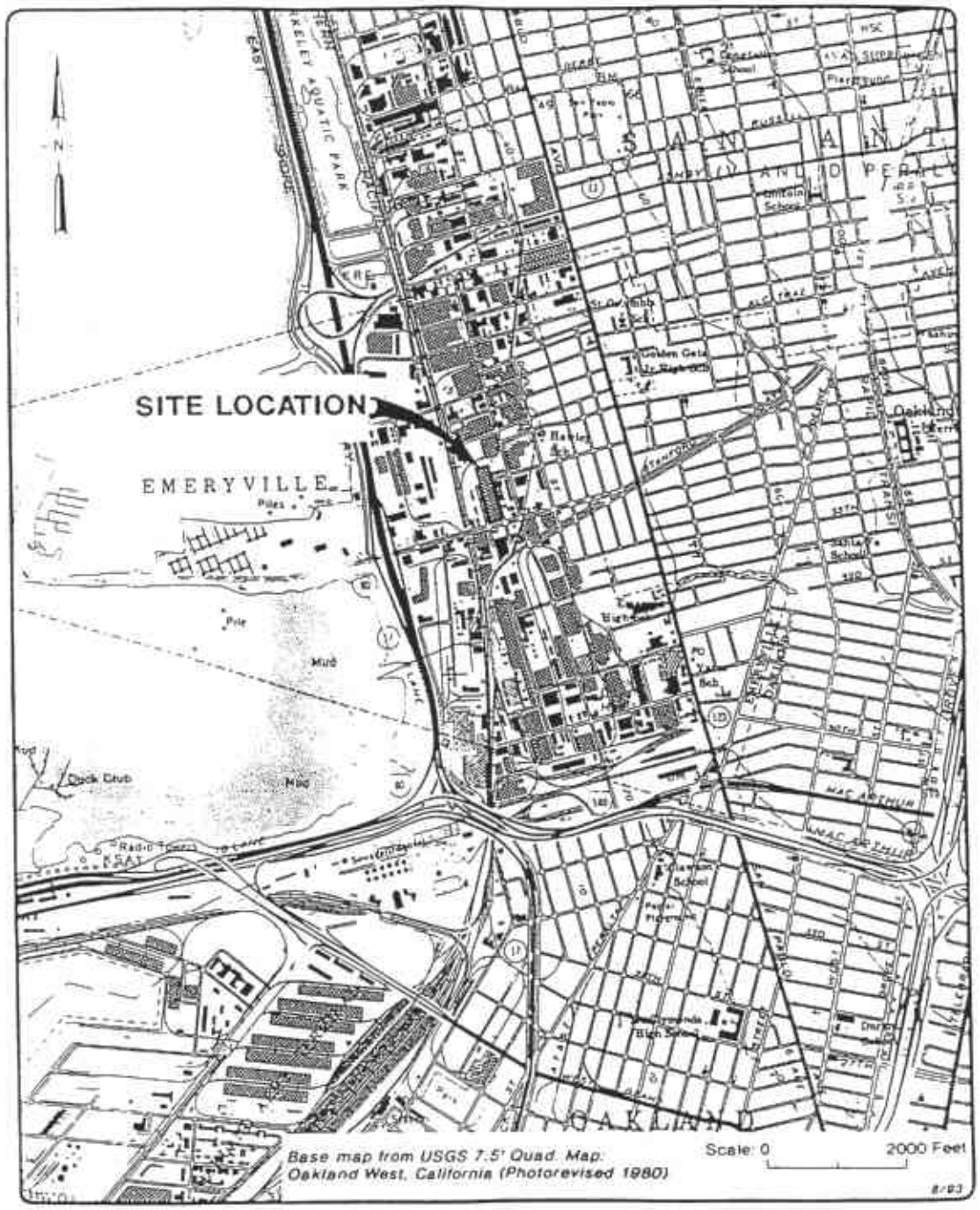


Figure 1-1:
Site Vicinity Map

ENVIRONMENTAL ENGINEERING, INC.

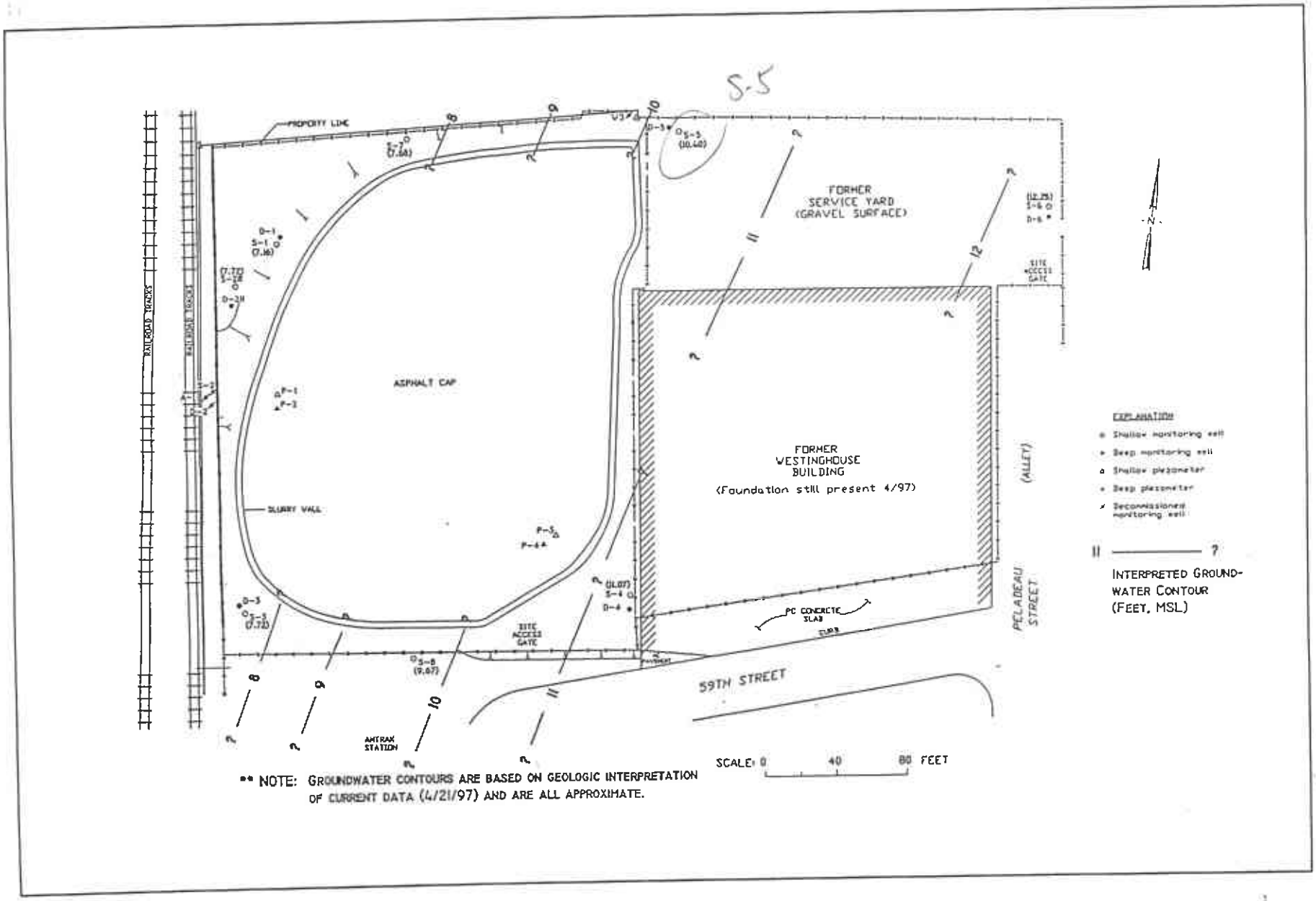


Figure 1-2: Groundwater Contour Map Using Shallow Monitoring Wells

ENVIRONMENTAL ENGINEERING, INC.

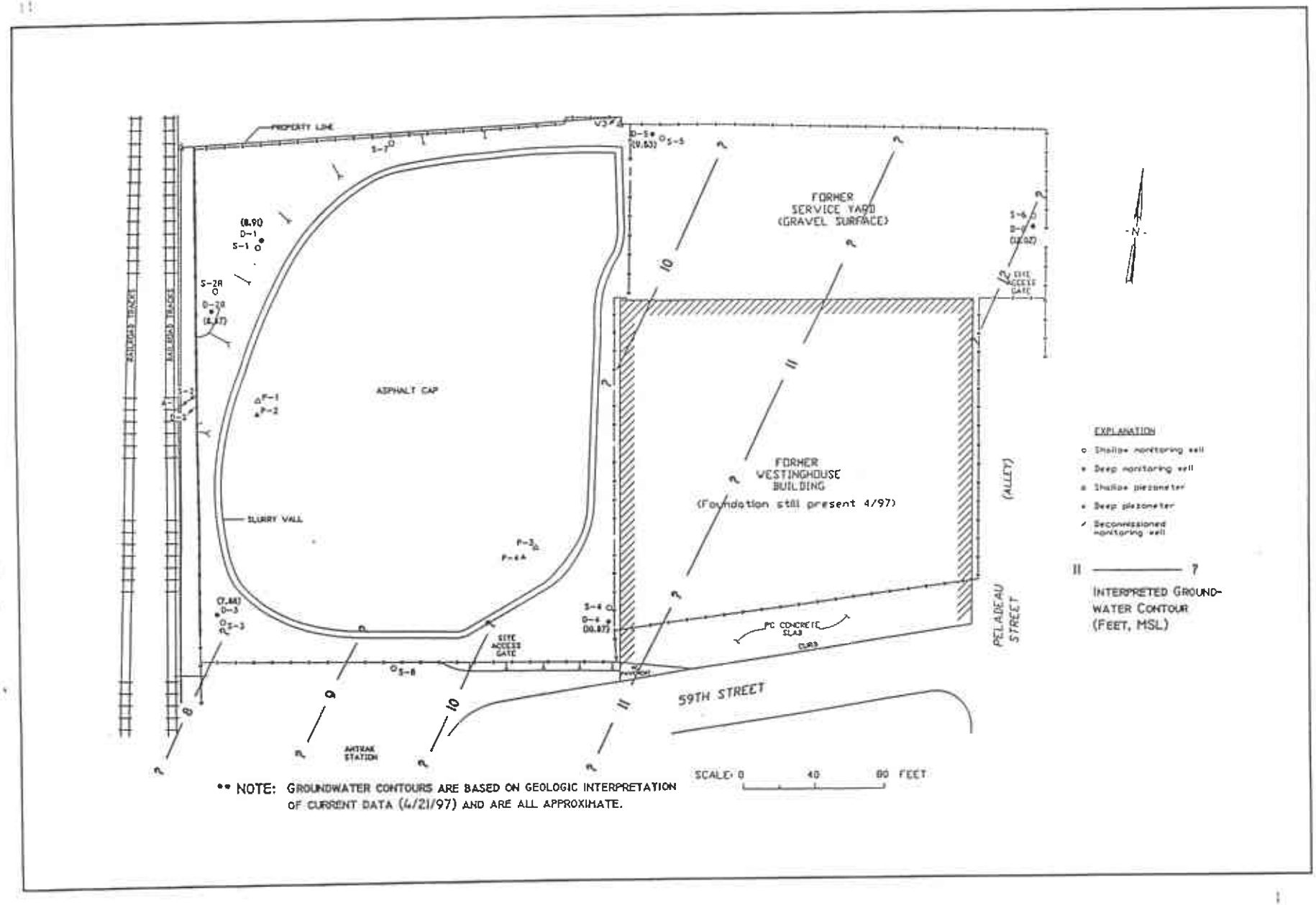
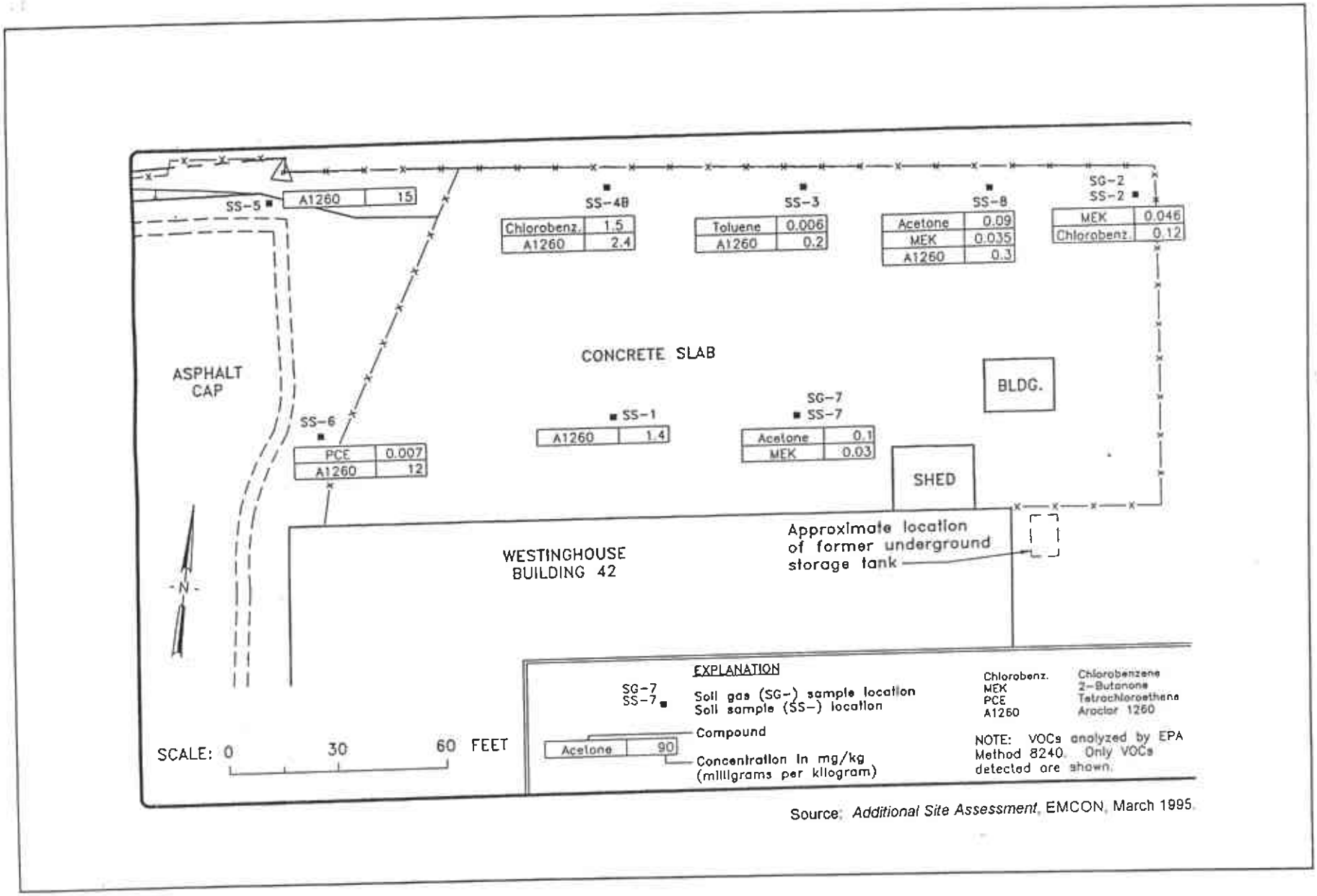


Figure 1-3: Groundwater Contour Map Using Deep Monitoring Wells

ENVIRONMENTAL ENGINEERING, INC.



Source: *Additional Site Assessment*, EMCON, March 1995.

Figure 2-1: PCBs and VOCs Detected in Soils Beneath Concrete Slab

ENVIRONMENTAL ENGINEERING, INC.

Source: *Soil Characterization, Building 42, Westinghouse Emeryville Facility*, EMCON, October 27, 1993.

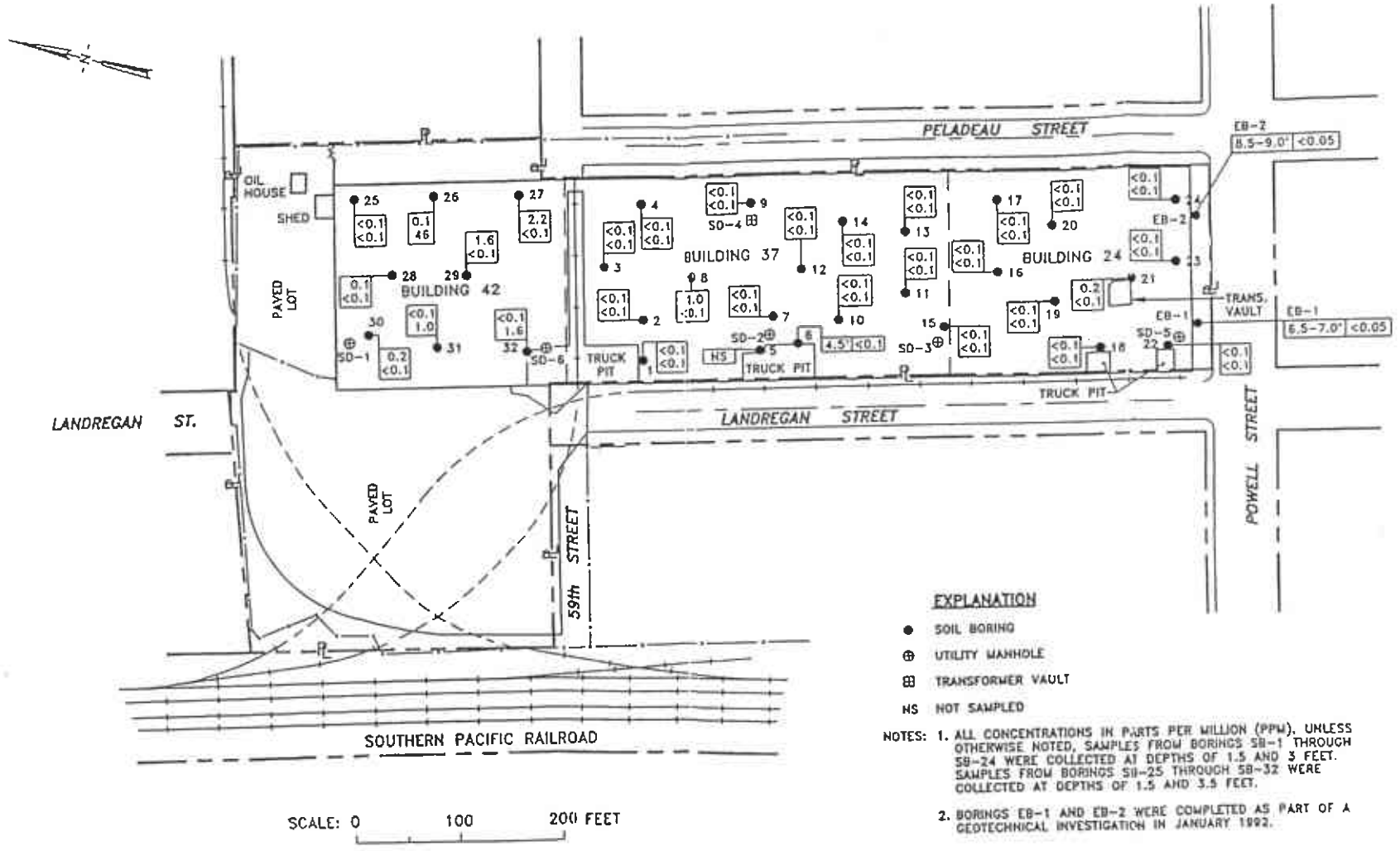


Figure 2-2: PCBs Concentration in Soils Beneath Buildings 42, 37 and 24

ENVIRONMENTAL ENGINEERING, INC

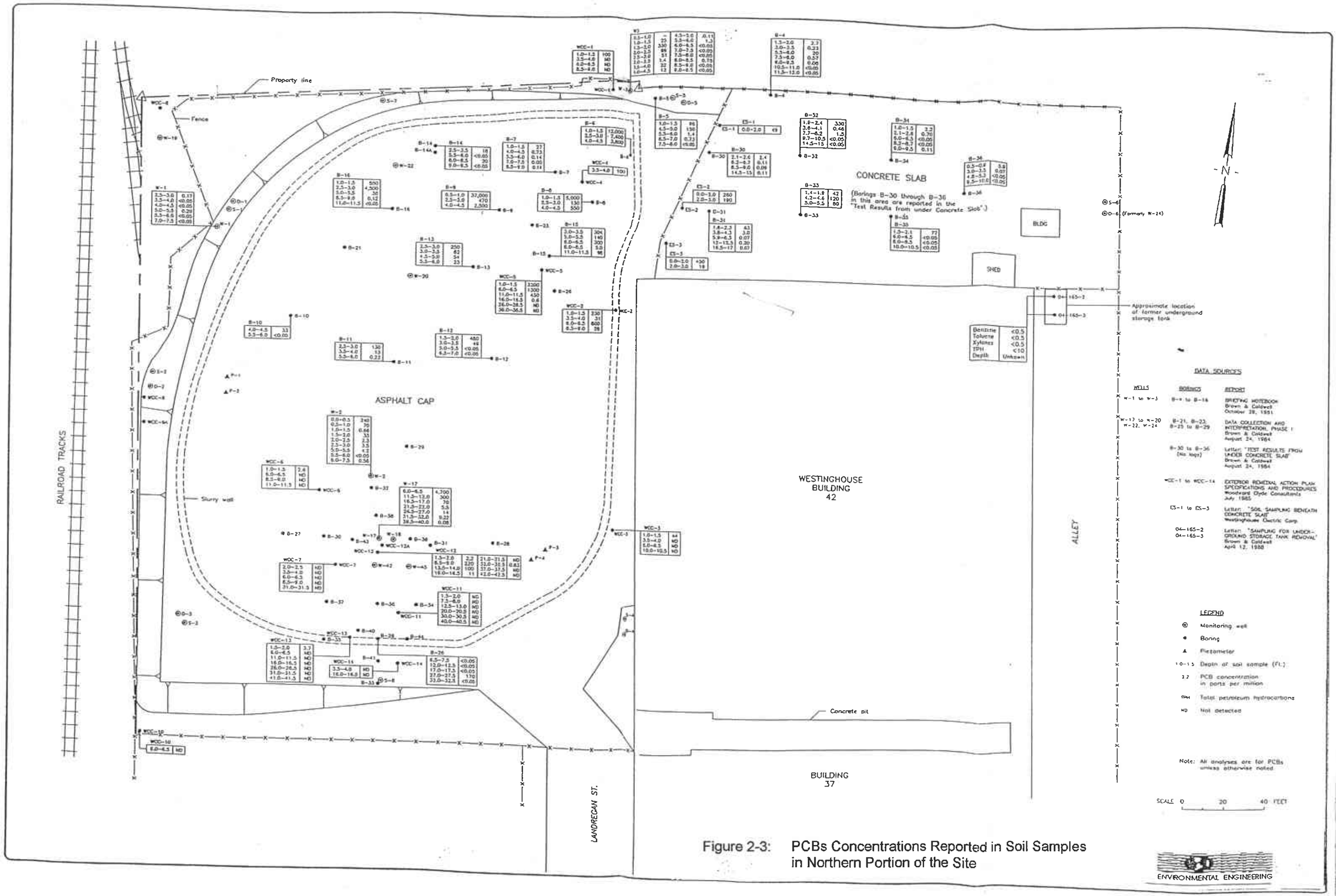


Figure 2-3: PCBs Concentrations Reported in Soil Samples in Northern Portion of the Site

Source: *Soil Characterization, Building 42, Westinghouse Emeryville Facility*, EMCON, October 27, 1993.

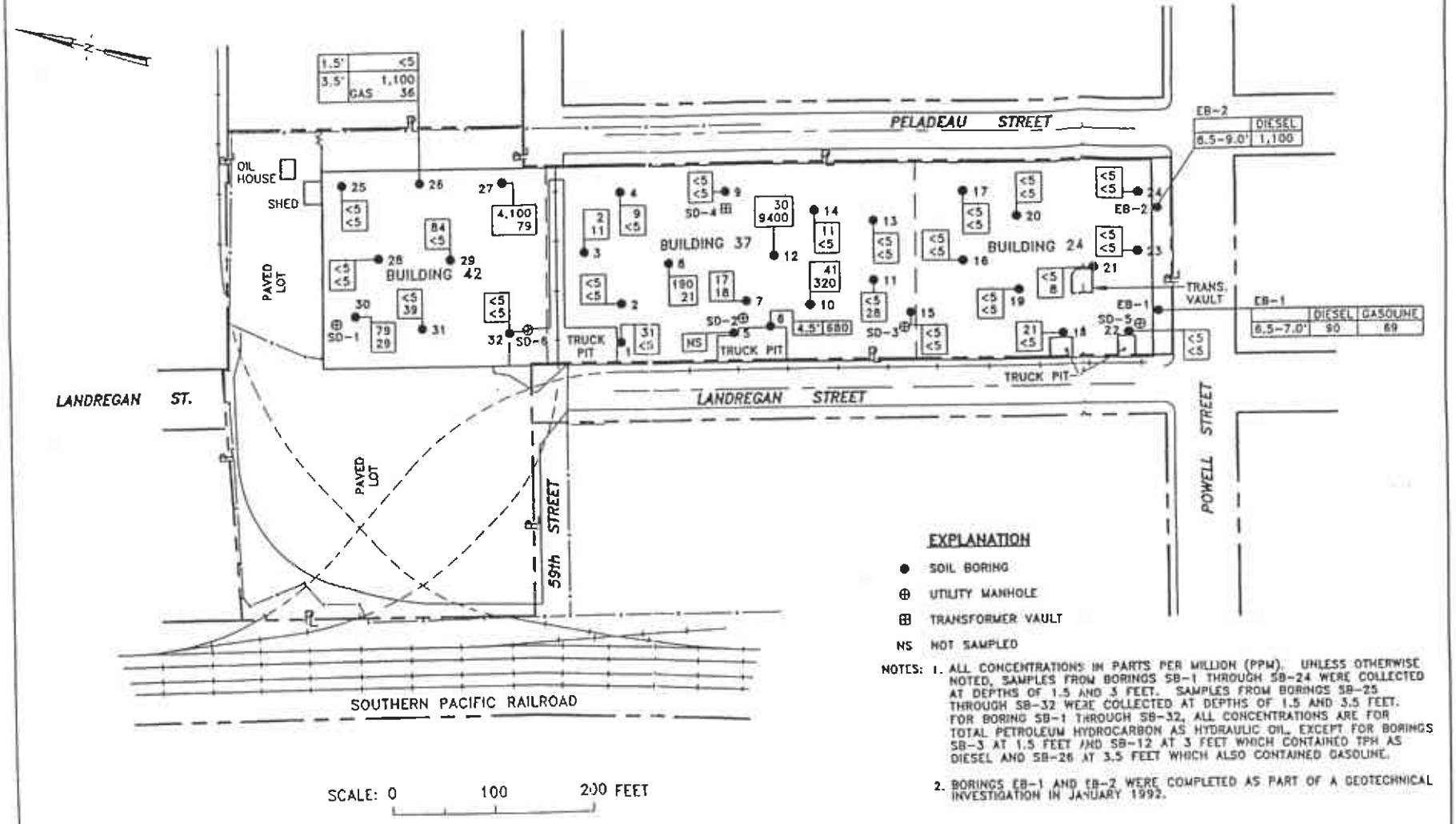


Figure 2-4: Total Petrol Hydrocarbon Concentration in Soils Beneath Building Slab

ENVIRONMENTAL ENGINEERING, INC.

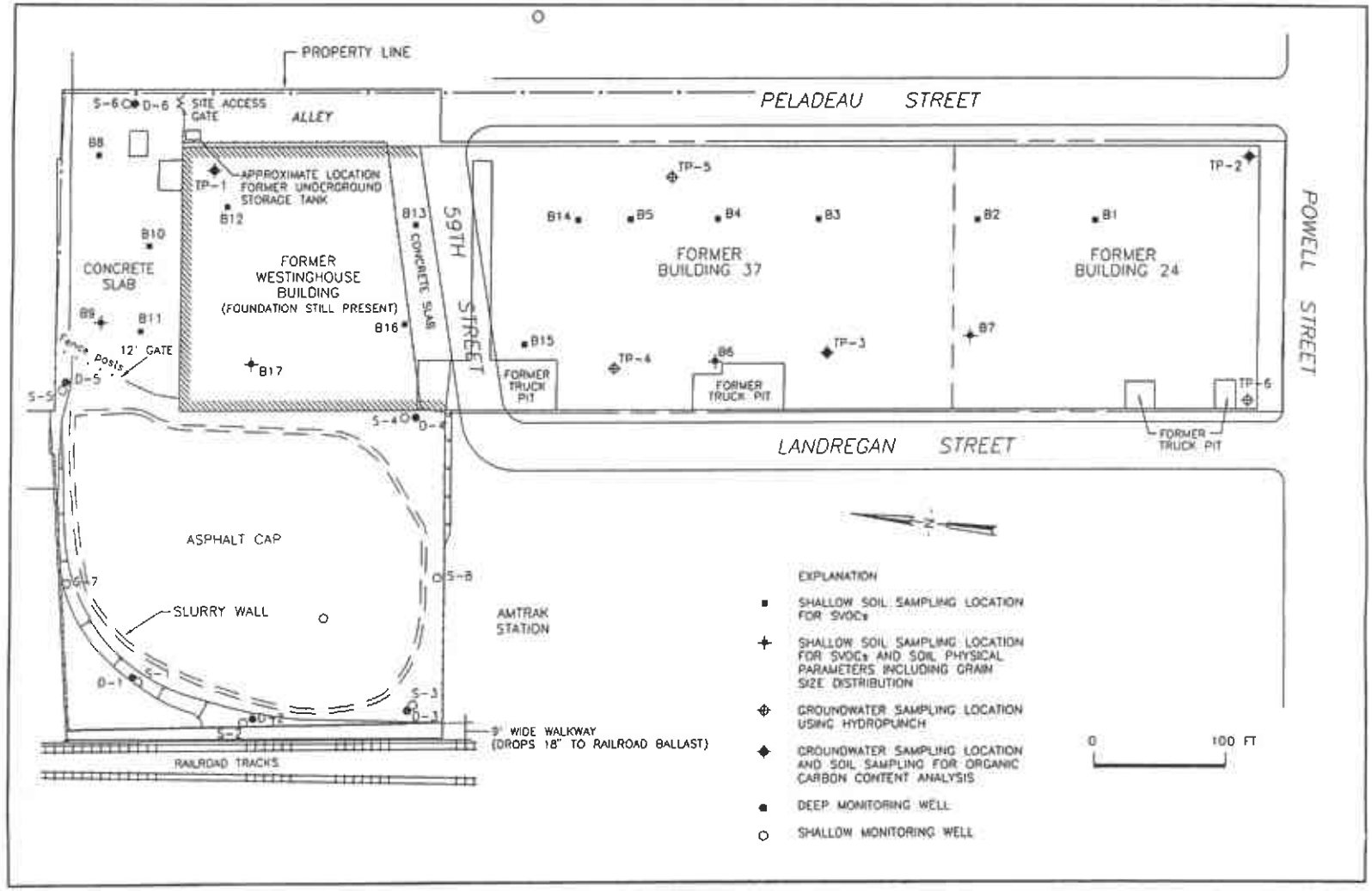


Figure 2-5: July 1995, Additional Soil and Groundwater Sampling Locations

ENVIRONMENTAL ENGINEERING, INC.

Source: *Soil Characterization, Building 42, Westinghouse Emeryville Facility*, EMCON, October 27, 1993.

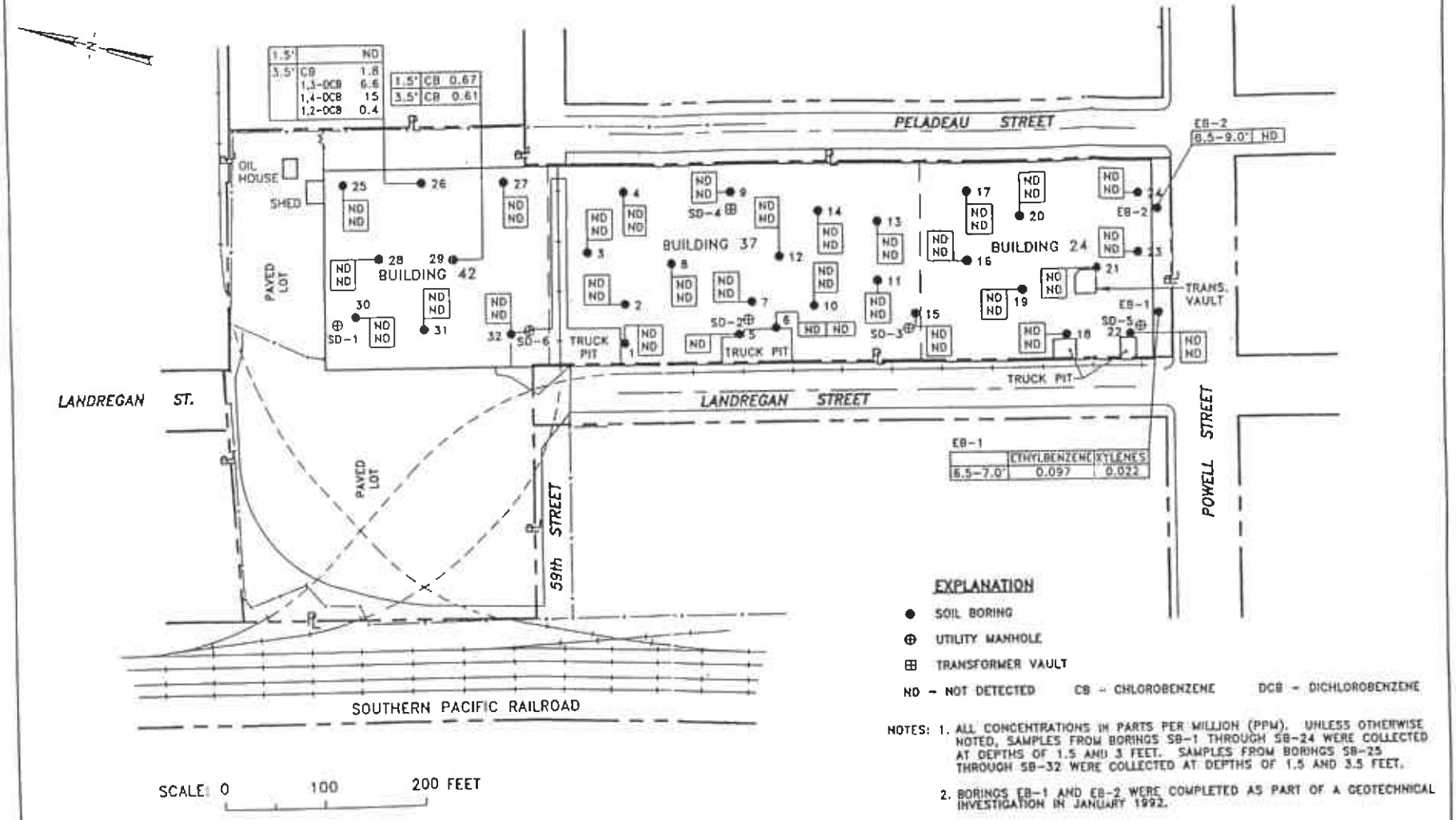


Figure 2-6: VOCs Detected in Soils Beneath Building Slabs

ENVIRONMENTAL ENGINEERING, INC.

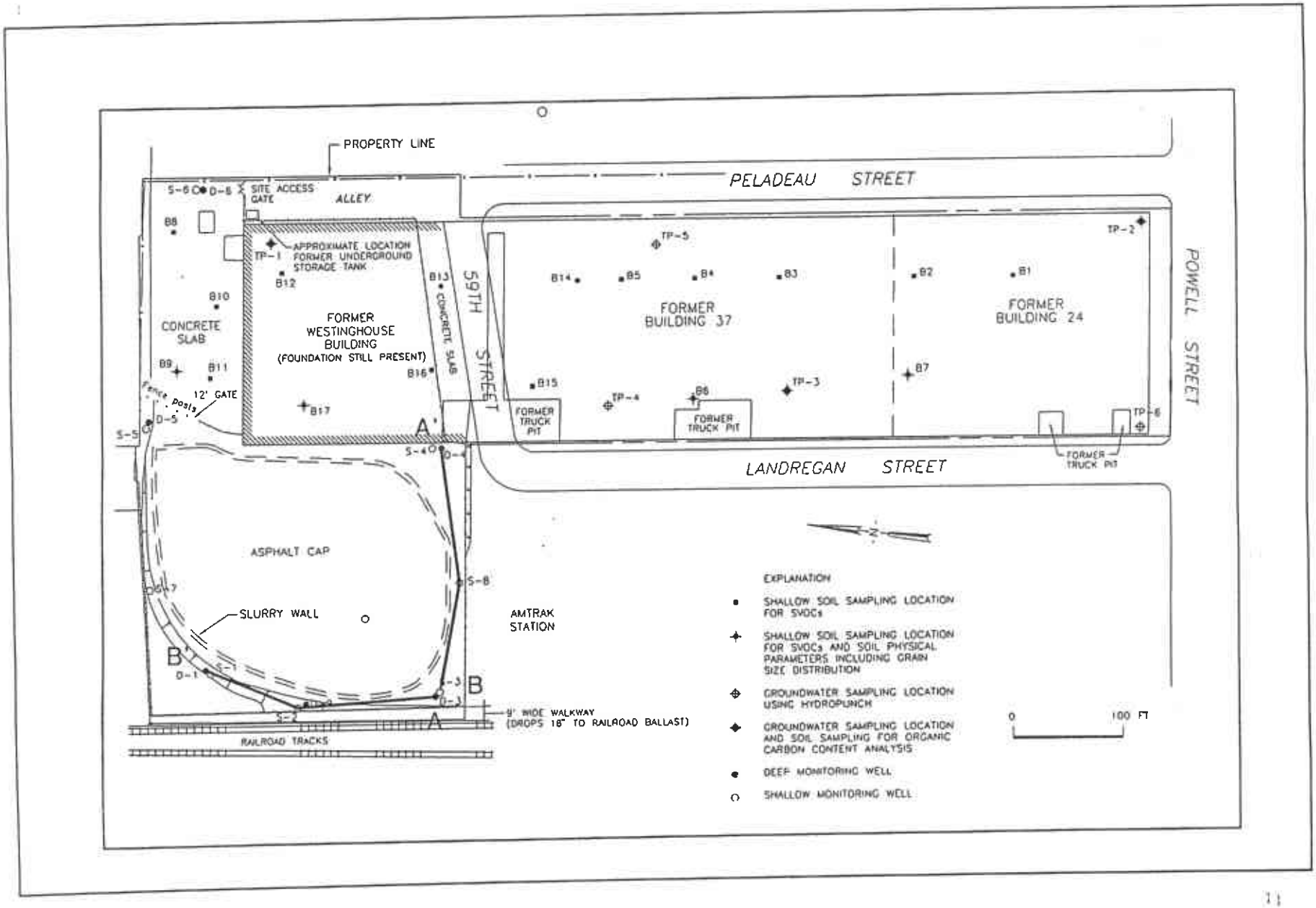


Figure 2-7: Locations of Soil Samples Collected by EMCON and Analyzed for SVOCs

ENVIRONMENTAL ENGINEERING, INC.

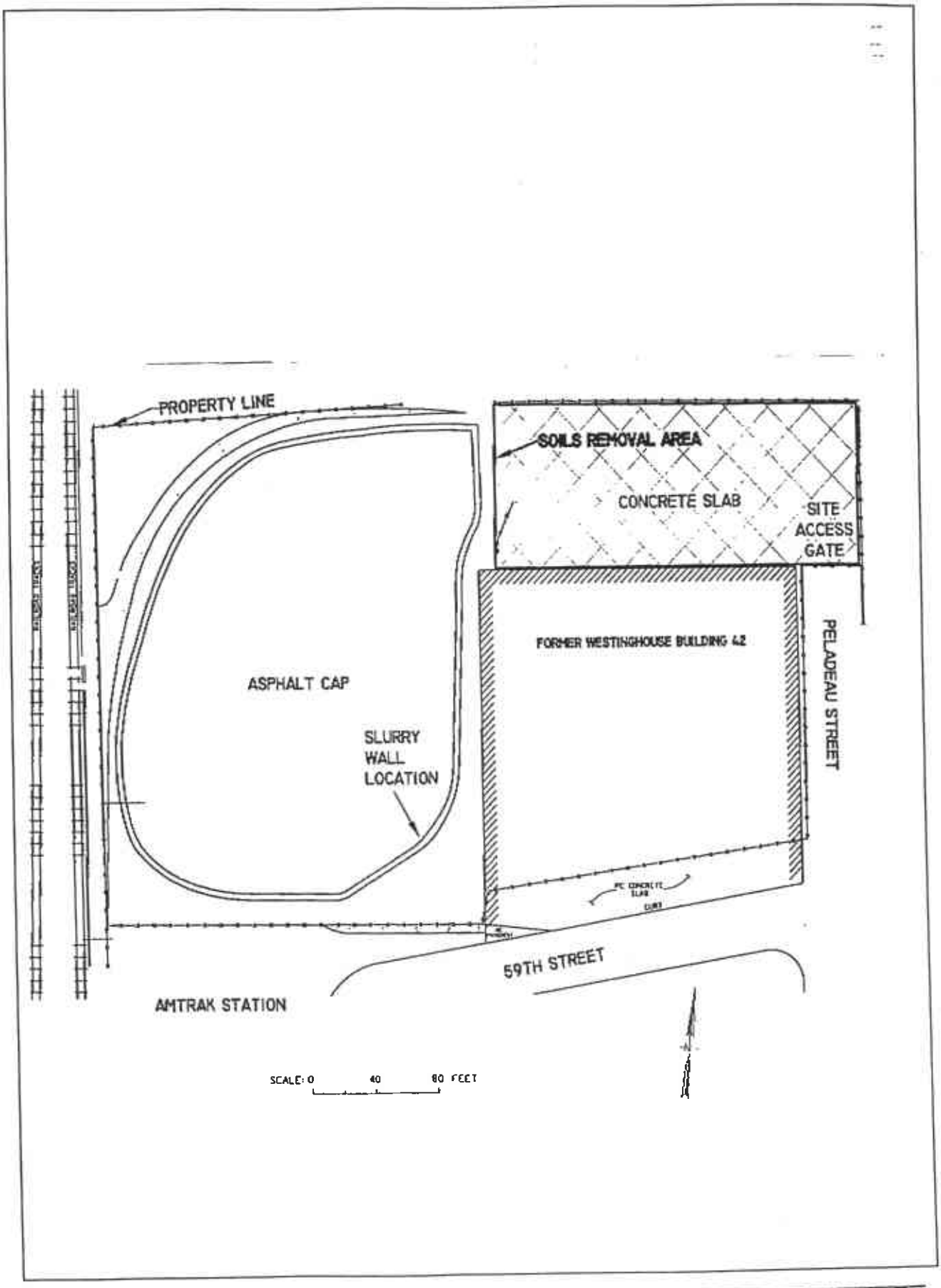


Figure 2-8: Location of Soil Remediation Area

ENVIRONMENTAL ENGINEERING, INC.

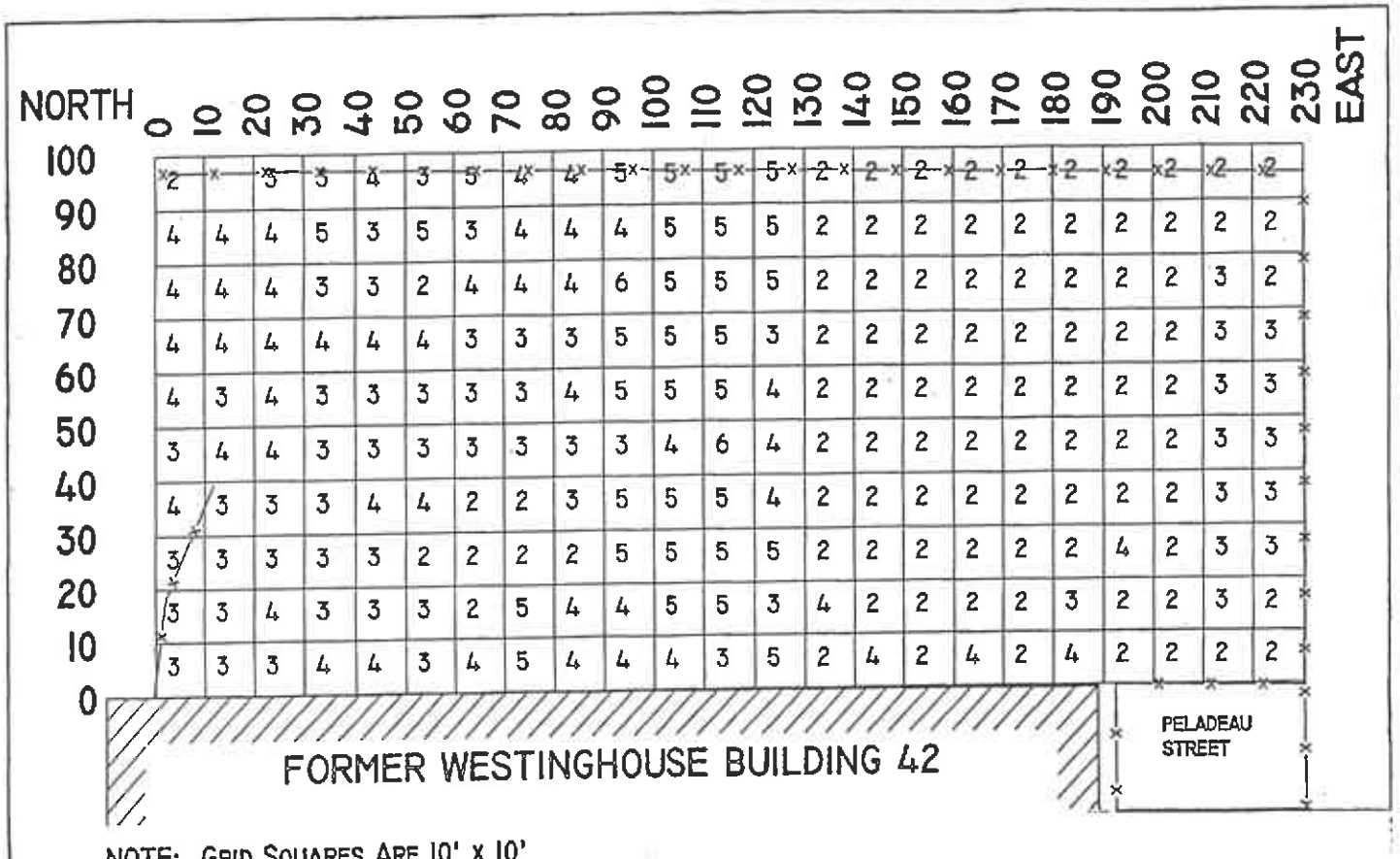


Figure 2-9: Grid Square Excavation Depths

ENVIRONMENTAL ENGINEERING, INC

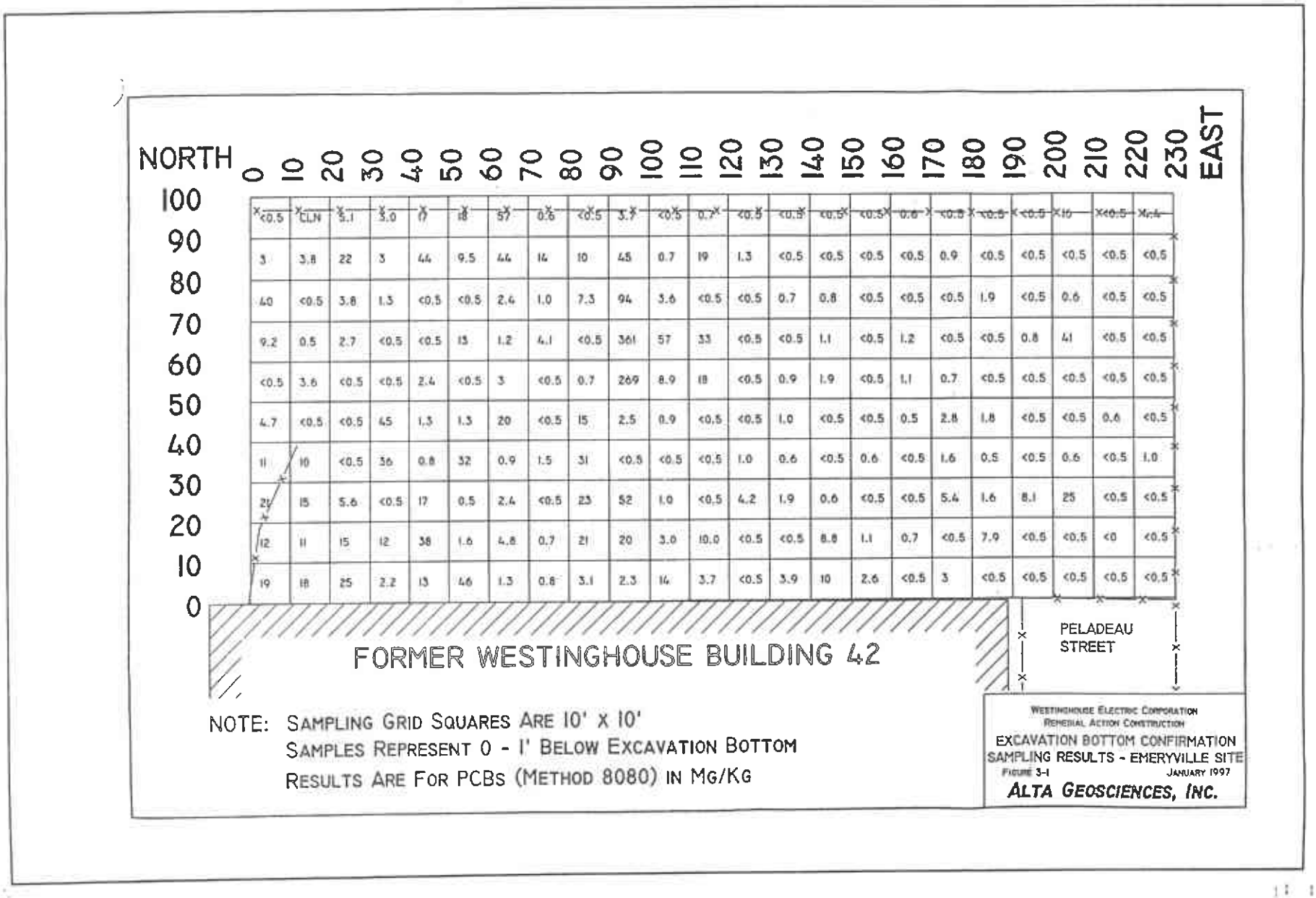


Figure 2-10: Remaining Residual PCBs Concentration Below Excavation Depths

ENVIRONMENTAL ENGINEERING, INC.

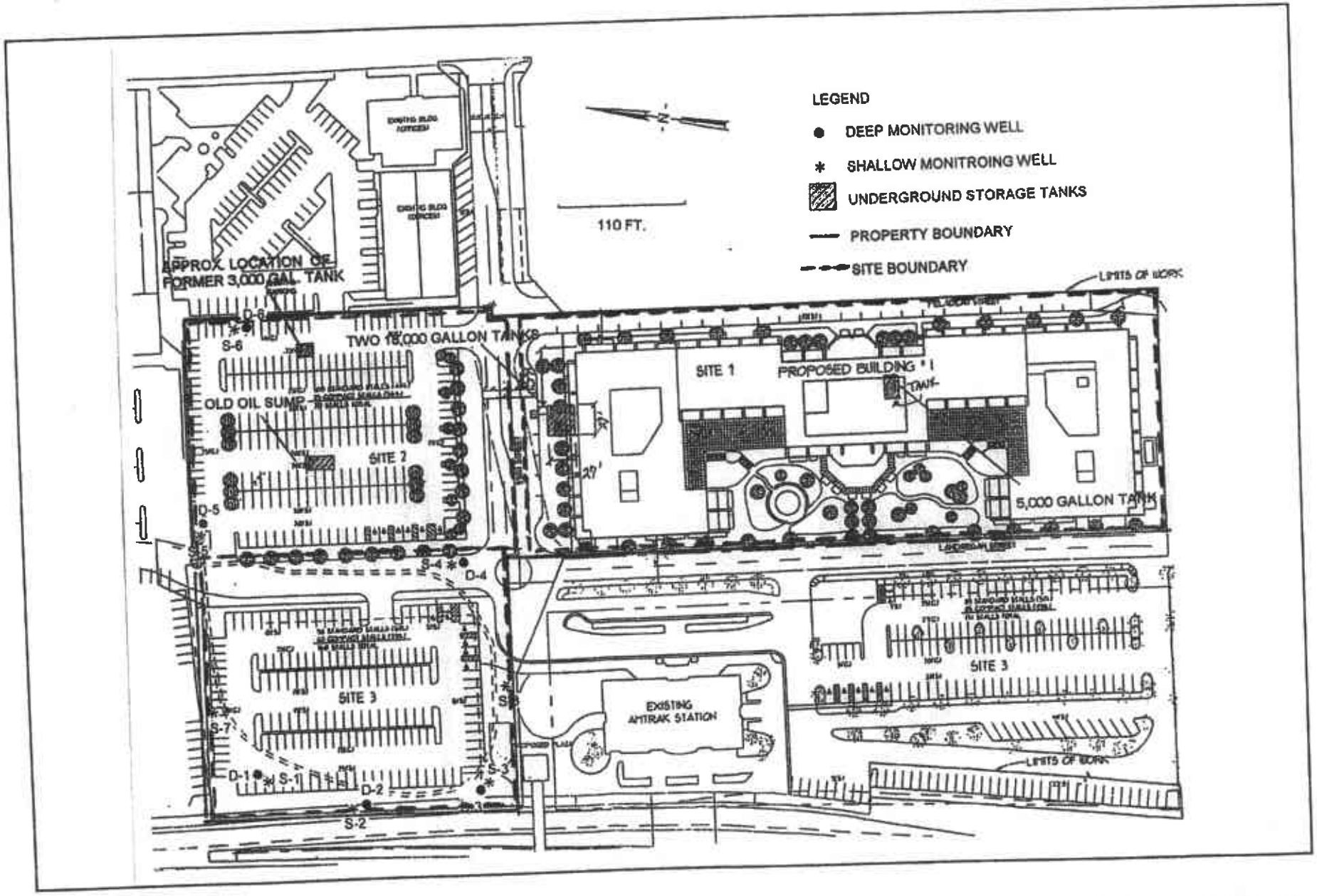


Figure 2-11: Locations of Underground Storage Tanks and sump

ENVIRONMENTAL ENGINEERING, INC.

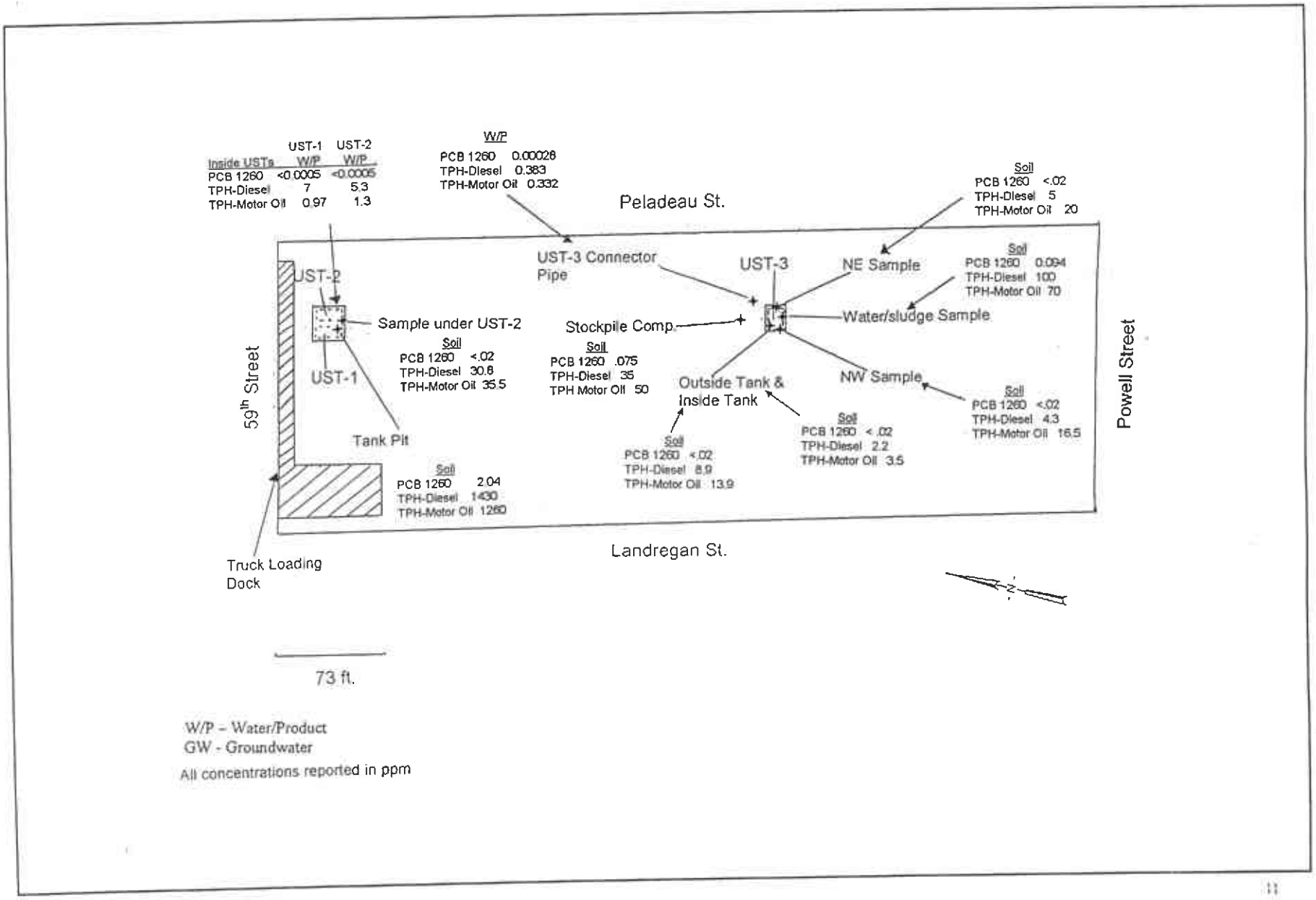


Figure 2-12: Pre- and Post-Excavation Soil Sampling Locations Around USTs

ENVIRONMENTAL ENGINEERING, INC.

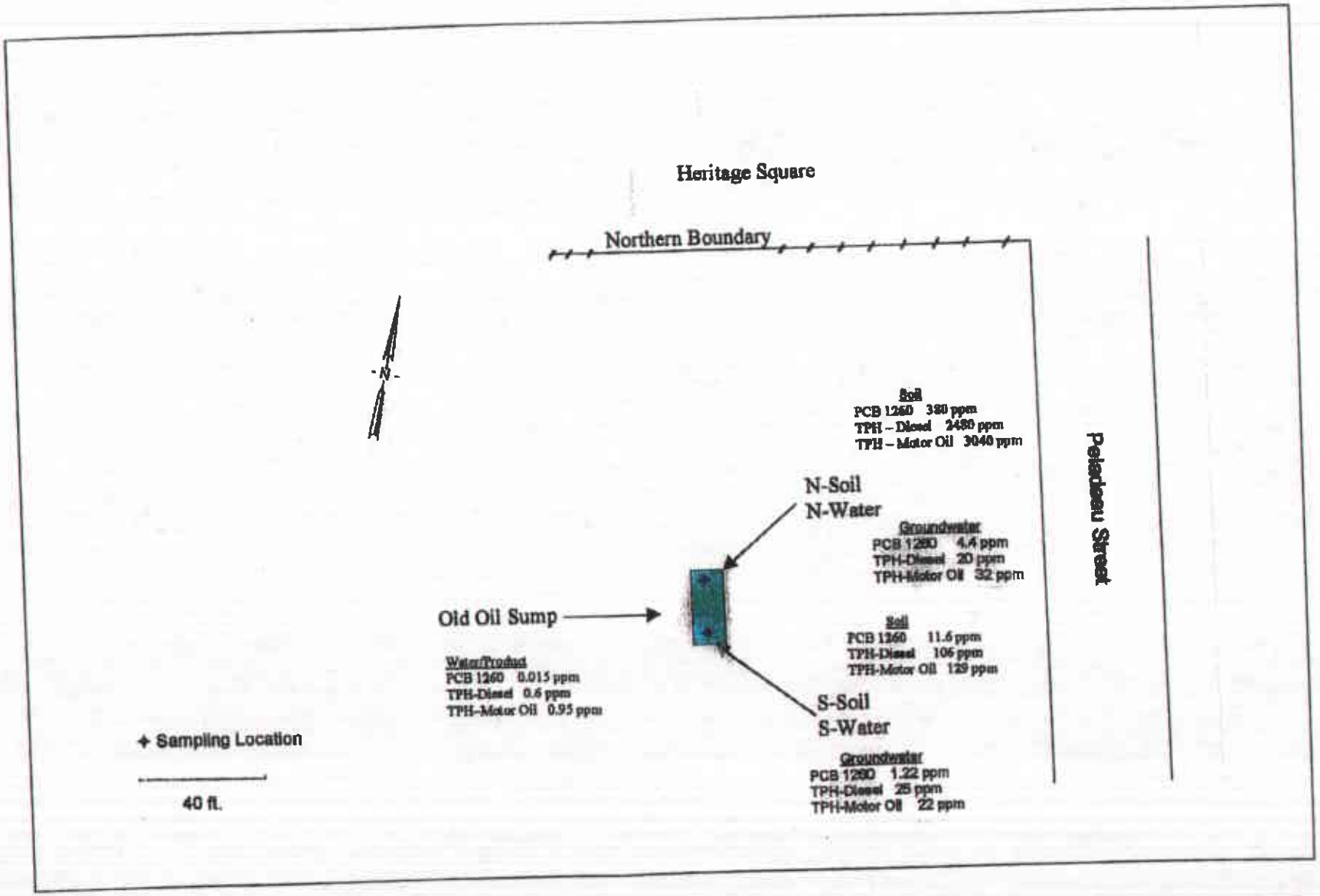


Figure 2-13: Soil and Groundwater Sampling Locations Beneath Sump

ENVIRONMENTAL ENGINEERING, INC.

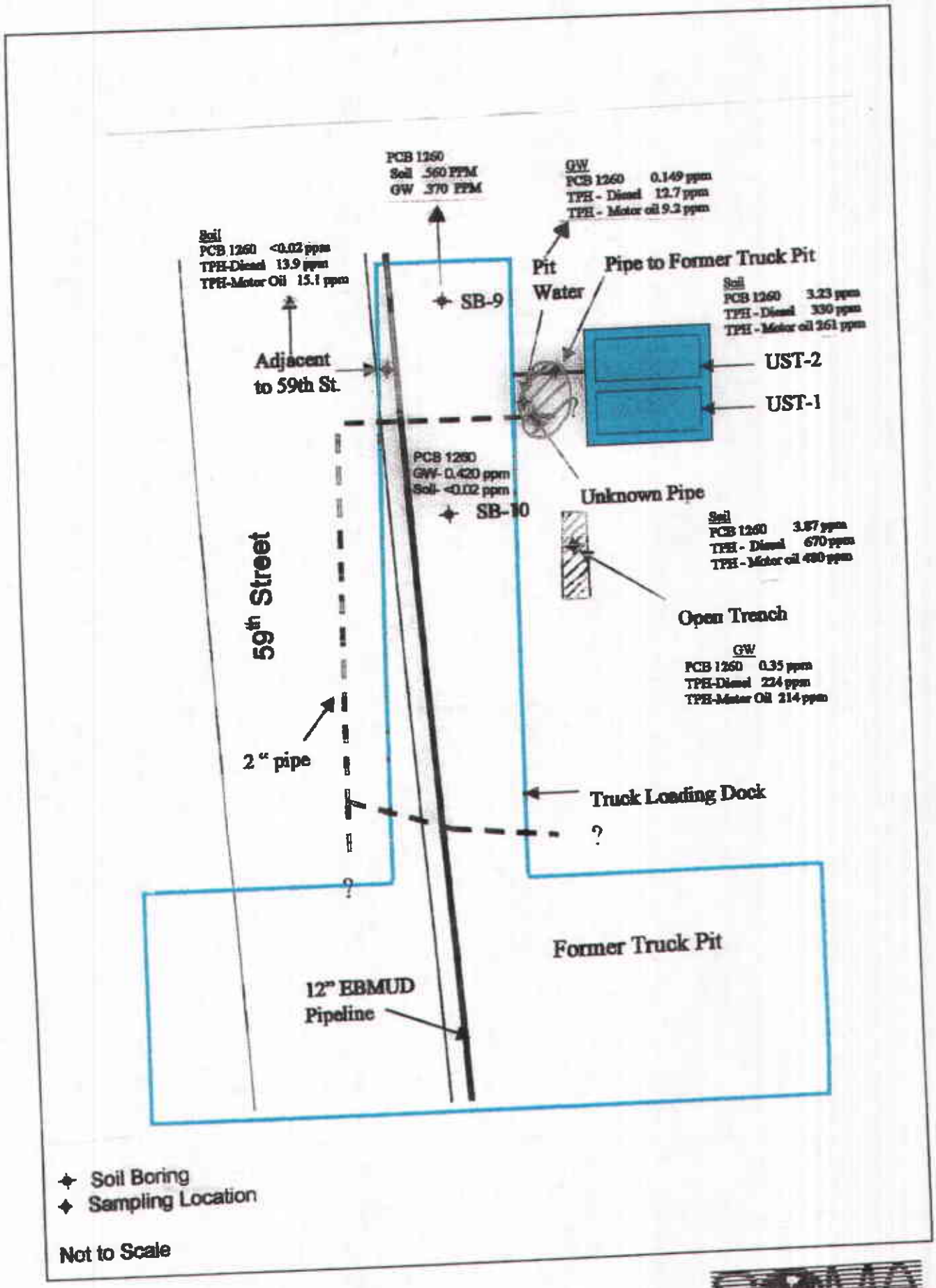


Figure 2-14: Connector Pipe and Soil Boring Locations

SOMA ENVIRONMENTAL ENGINEERING, INC.

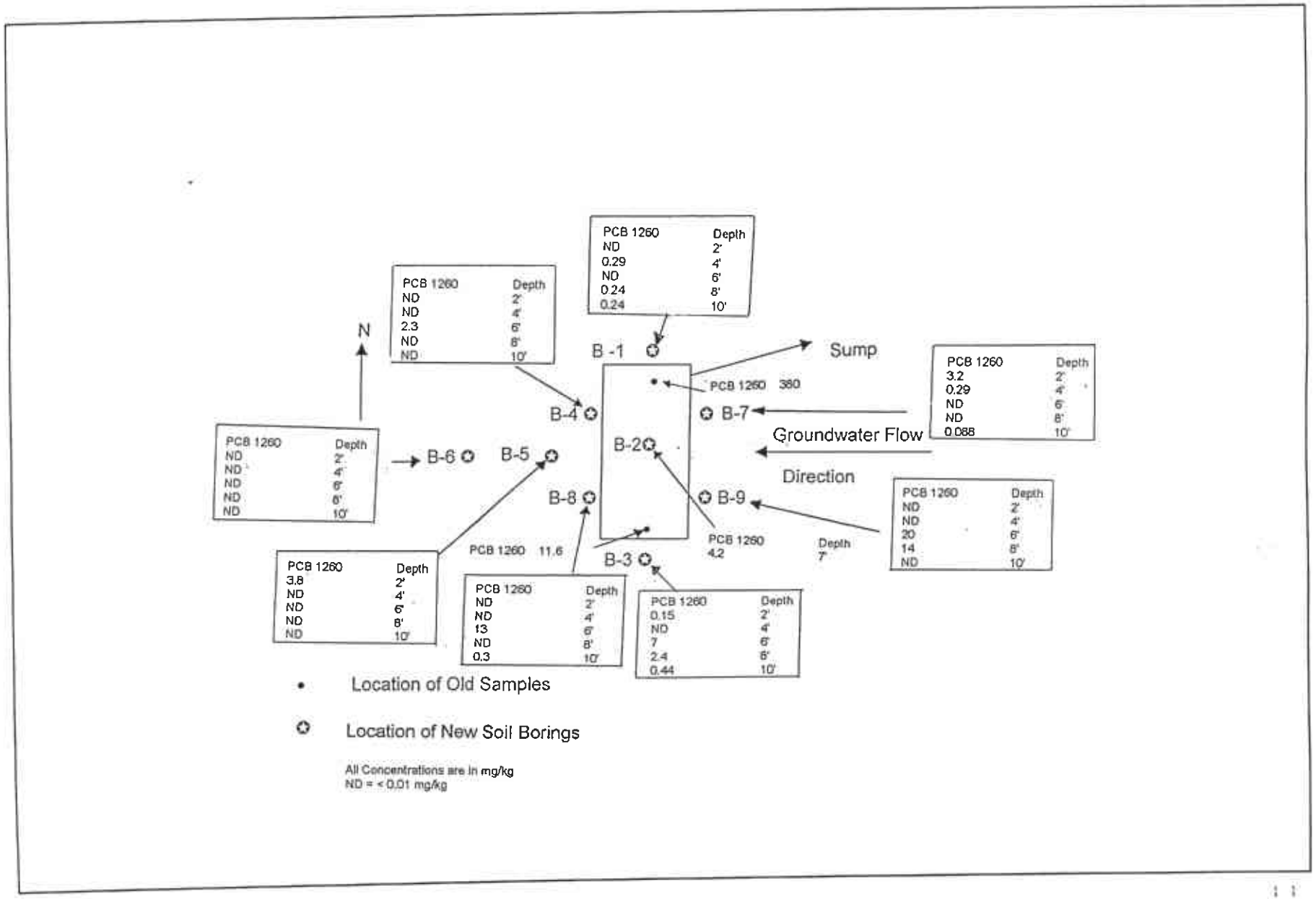


Figure 2-15: Locations of Soil Borings and Reported Soil PCBs Concentrations at Different Depth Intervals

ENVIRONMENTAL ENGINEERING, INC.

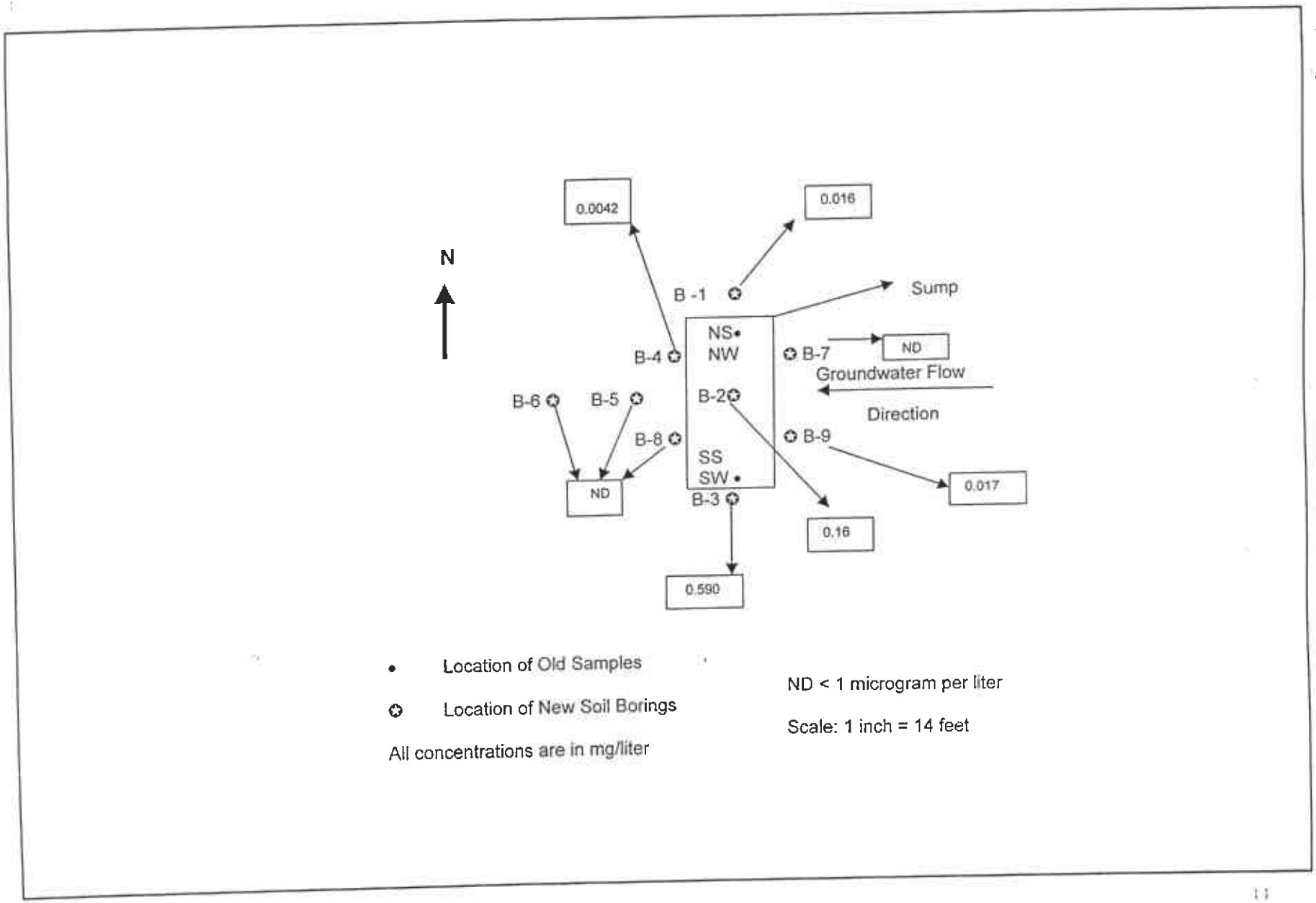
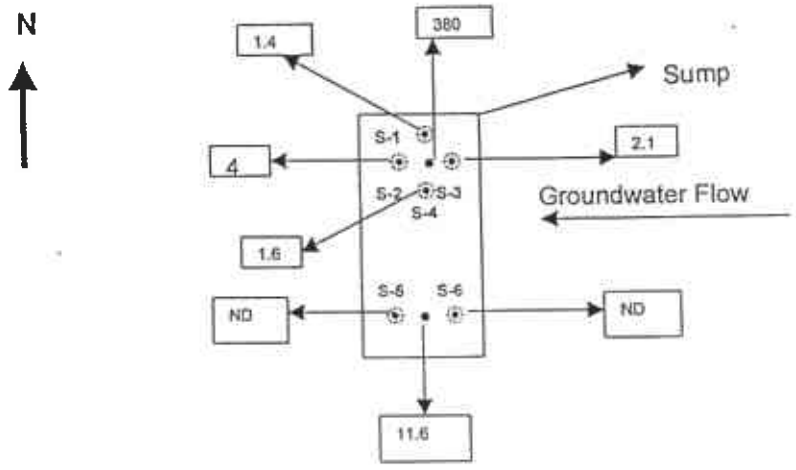


Figure 2-16: Locations of Soil Borings and Reported Groundwater Acoclor-1260 Concentrations

ENVIRONMENTAL ENGINEERING, INC.



- Location of Old Samples Before Sump Removal

⊙ Location of Soil Sampling After Excavation

All concentrations are in mg/kg

ND < 1 microgram per killogram

Scale: 1 inch = 14 feet

Figure 2-17: Residual Soil Acoclor-1260 Concentrations Beneath Sump

ENVIRONMENTAL ENGINEERING, INC.

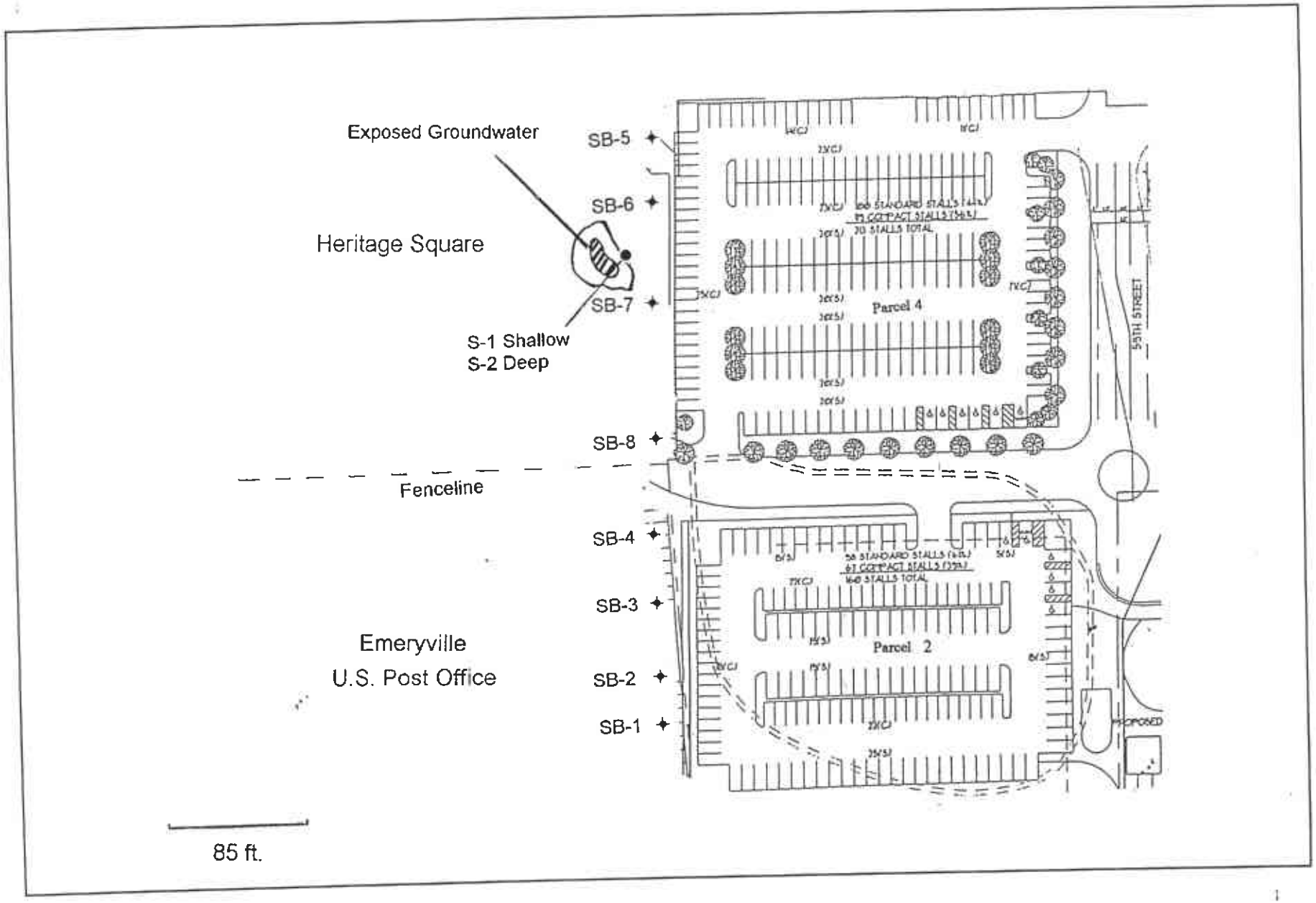


Figure 2-18: Location of Off-Site Soil Borings Along the U.S. Post Office and Heritage Square Properties

ENVIRONMENTAL ENGINEERING, INC.

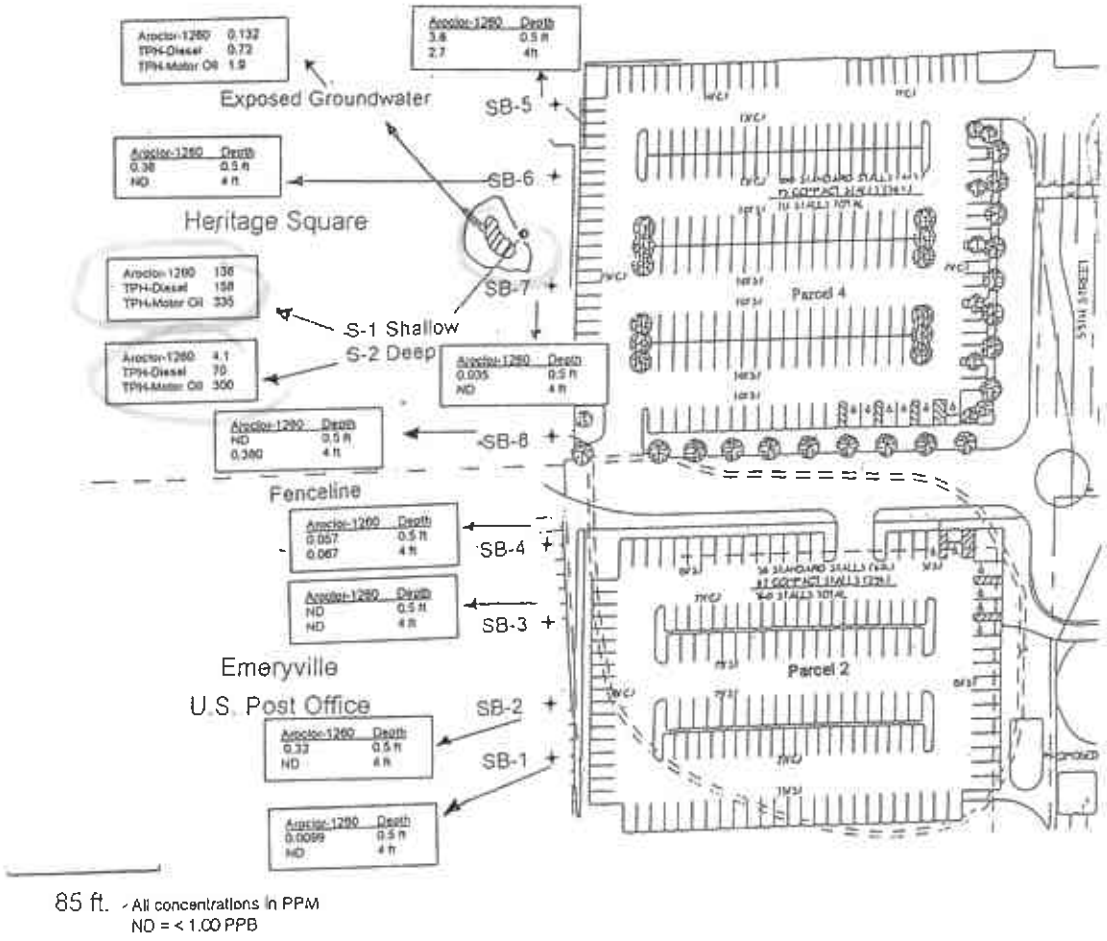


Figure 2-19: Results of Off-Site Investigation along the Northern Site's Boundary

ENVIRONMENTAL ENGINEERING, INC.

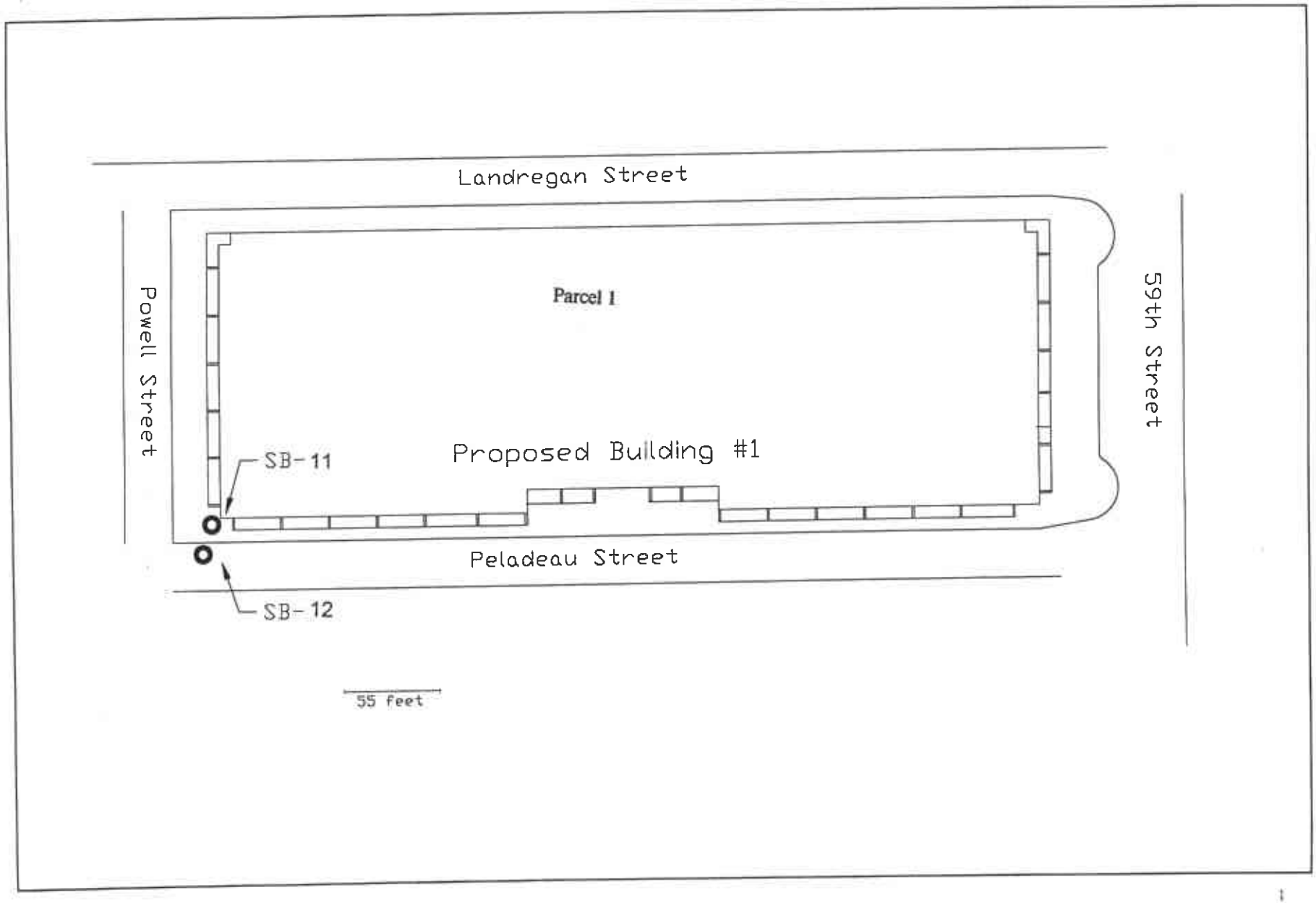


Figure 2-20: Location of Additional Soil Borings Drilled at Southeastern Corner of Parcel 1

ENVIRONMENTAL ENGINEERING, INC.

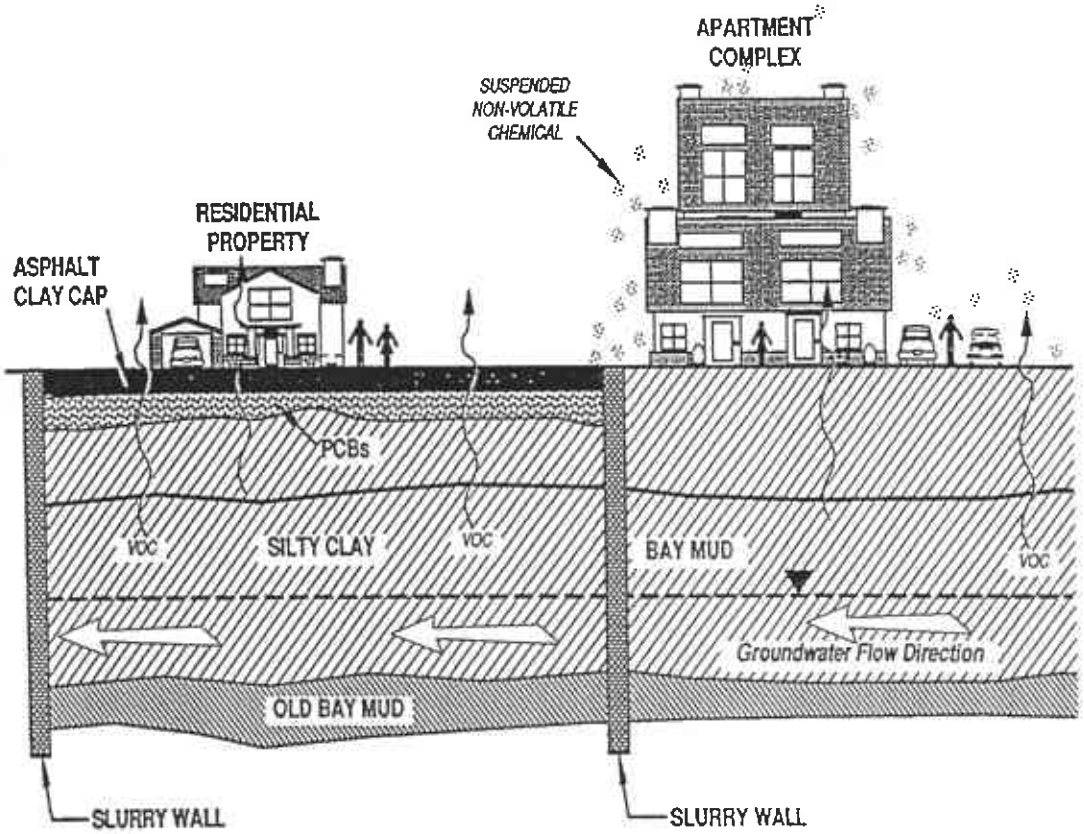


Figure 3-1: Conceptual Site Model

ENVIRONMENTAL ENGINEERING, INC.

APPENDIX A

No Further Action Letter

Signed by RWQB and ACDEH

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 1and 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

APPENDIX B

Analytical Results of Soil and Groundwater Samples Collected During Pile Driving and Foundation Excavation Period

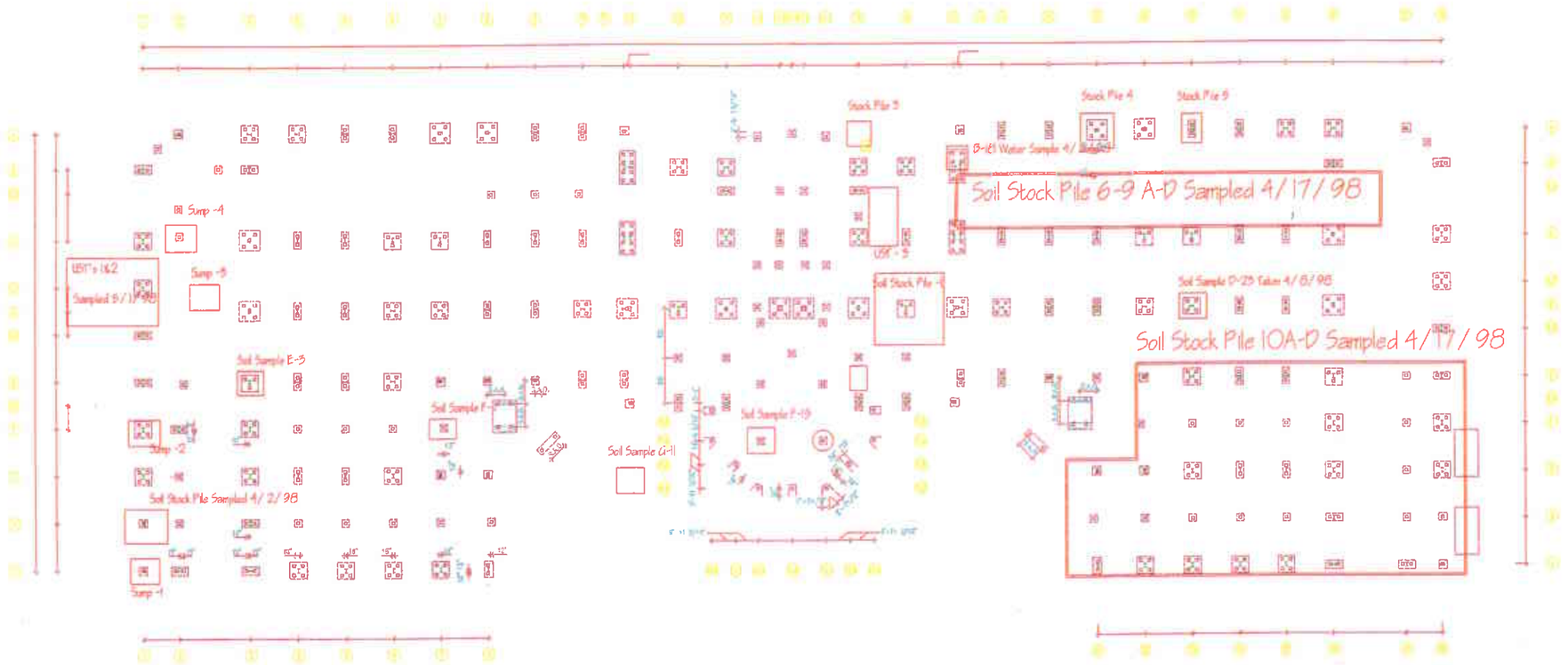


Figure B-1: Location of Stockpiled Soils and Sampling Location During Pile Driving Period

SOMA ENVIRONMENTAL ENGINEERING, INC

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
S-3A	Total Extractables	4/2/98	0.5	28	W
S-3A	TPH-Diesel	4/2/98		19	W
S-3A	TPH-Oil	4/2/98	20	ND	W
SP-6	Total Extractables	4/2/98	34	2	S
SP-6	TPH-Diesel	4/2/98	ND	4	S
SP-6	TPH-Oil	4/2/98	33	8	S
S-3A	Aroclor 1016	*	0.001	ND	W
S-3A	Aroclor 1221	*	0.001	ND	W
S-3A	Aroclor 1232	*	0.001	ND	W
S-3A	Aroclor 1242	*	0.001	ND	W
S-3A	Aroclor 1248	*	0.001	ND	W
S-3A	Aroclor 1254	*	0.001	ND	W
S-3A	Aroclor 1260	*	0.001	0.008	W
SP-6	Aroclor 1016	4/2/98	0.1	ND	S
SP-6	Aroclor 1221	4/2/98	0.1	ND	S
SP-6	Aroclor 1232	4/2/98	0.08	ND	S
SP-6	Aroclor 1242	4/2/98	0.08	ND	S
SP-6	Aroclor 1248	4/2/98	0.08	ND	S
SP-6	Aroclor 1254	4/2/98	0.08	ND	S
SP-6	Aroclor 1260	4/2/98	0.08	ND	S
SP-6	Acetone	4/2/98	0.02	0.03	S
SP-6	Benzene	4/2/98	0.005	ND	S
SP-6	Bromodichloromethane	4/2/98	0.005	ND	S
SP-6	Bromoform	4/2/98	0.005	ND	S
SP-6	Bromomethane	4/2/98	0.005	ND	S
SP-6	2-Butanone	4/2/98	0.02	ND	S
SP-6	Carbon disulfide	4/2/98	0.005	ND	S
SP-6	Carbon tetrachloride	4/2/98	0.005	ND	S
SP-6	Chlorobenzene	4/2/98	0.005	ND	S
SP-6	Chloroethane	4/2/98	0.005	ND	S
SP-6	Chloroform	4/2/98	0.005	ND	S
SP-6	Chloromethane	4/2/98	0.005	ND	S
SP-6	Dibromochloromethane	4/2/98	0.005	ND	S
SP-6	1,2-Dichlorobenzene	4/2/98	0.005	ND	S
SP-6	1,3-Dichlorobenzene	4/2/98	0.005	ND	S
SP-6	1,4-Dichlorobenzene	4/2/98	0.005	ND	S
SP-6	1,1-Dichloroethane	4/2/98	0.005	ND	S
SP-6	1,2-Dichloroethane	4/2/98	0.005	ND	S
SP-6	1,1-Dichloroethene	4/2/98	0.005	ND	S
SP-6	cis-1,2-Dichloroethene	4/2/98	0.005	ND	S
SP-6	trans-1,2-Dichloroethene	4/2/98	0.005	ND	S
SP-6	1,2-Dichloropropane	4/2/98	0.005	ND	S
SP-6	cis-1,3-dichloropropene	4/2/98	0.005	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
SP-6	trans-1,3-dichloropropene	4/2/98	0.005	ND	S
SP-6	Ethylbenzene	4/2/98	0.005	ND	S
SP-6	Freon 113	4/2/98	0.005	ND	S
SP-6	2-Hexanone	4/2/98	0.02	ND	S
SP-6	Methylene chloride	4/2/98	0.005	ND	S
SP-6	4-Methyl-2-pentanone	4/2/98	0.02	ND	S
SP-6	Styrene	4/2/98	0.005	ND	S
SP-6	1,1,2,2-Tetrachloroethane	4/2/98	0.005	ND	S
SP-6	Tetrachloroethene	4/2/98	0.005	ND	S
SP-6	Toluene	4/2/98	0.005	ND	S
SP-6	1,1,1-Trichloroethane	4/2/98	0.005	ND	S
SP-6	1,1,2,-Trichloroethane	4/2/98	0.005	ND	S
SP-6	Trichloroethene	4/2/98	0.005	ND	S
SP-6	Trichlorofluoromethane	4/2/98	0.005	ND	S
SP-6	Vinyl acetate	4/2/98	0.01	ND	S
SP-6	Vinyl chloride	4/2/98	0.005	ND	S
SP-6	o-Xylene	4/2/98	0.005	ND	S
SP-6	p,m-Xylenes	4/2/98	0.005	ND	S
D-23-S	1,2-Dichloropropane	4/8/98	0.5	ND	S
D-23-S	1,3-Dichloropropane	4/8/98	0.5	ND	S
D-23-S	1,4-Dichloropropane	4/8/98	0.5	ND	S
D-23-S	1,1-Dichloropropene	4/8/98	0.5	ND	S
D-23-S	cis-1,3-dichloropropene	4/8/98	0.5	ND	S
D-23-S	trans-1,3-dichloropropene	4/8/98	0.5	ND	S
D-23-S	Ethylbenzene	4/8/98	0.5	ND	S
D-23-S	Freon 113	4/8/98	0.5	ND	S
D-23-S	Hexachlorobutadiene	4/8/98	0.5	ND	S
D-23-S	2-Hexanone	4/8/98	2	ND	S
D-23-S	Isopropylbenzene	4/8/98	0.5	0.5	S
D-23-S	p-Isopropyltoluene	4/8/98	0.5	3.8	S
D-23-S	Methylene chloride	4/8/98	0.5	0.8	S
D-23-S	4-Methyl-2-pentanone	4/8/98	2	ND	S
D-23-S	MTBE	4/8/98	0.5	ND	S
D-23-S	Naphthalene	4/8/98	0.5	ND	S
D-23-S	n-Propylbenzene	4/8/98	0.5	1.5	S
D-23-S	sec-Butylbenzene	4/8/98	0.5	ND	S
D-23-S	Styrene	4/8/98	0.5	ND	S
D-23-S	tert-Butylbenzene	4/8/98	0.5	ND	S
D-23-S	1,1,1,2-Tetrachloroethane	4/8/98	0.5	ND	S
D-23-S	1,1,2,2,-Tetrachloroethane	4/8/98	0.5	ND	S
D-23-S	Tetrachloroethene	4/8/98	0.5	ND	S
D-23-S	Toluene	4/8/98	0.5	ND	S
D-23-S	1,2,3-Trichlorobenzene	4/8/98	0.5	ND	S

Table B-1

Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
D-23-S	1,2,4-Trichlorobenzene	4/8/98	0.5	ND	S
D-23-S	1,1,1-Trichloroethane	4/8/98	0.5	ND	S
D-23-S	1,1,2-Trichloroethane	4/8/98	0.5	ND	S
D-23-S	Thrichloroethene	4/8/98	0.5	ND	S
D-23-S	Trichlorofluoromethane	4/8/98	0.5	ND	S
D-23-S	1,2,3 -Trichloropropane	4/8/98	0.5	ND	S
D-23-S	1,2,4-Trimethylbenzene	4/8/98	0.5	2.7	S
D-23-S	1,3,5-Trimethylbenzene	4/8/98	0.5	1.2	S
D-23-S	Vinyl acetate	4/8/98	2	ND	S
D-23-S	Vinyl chloride	4/8/98	0.5	ND	S
D-23-S	o-Xylene	4/8/98	0.5	ND	S
D-23-S	p,m-Xylenes	4/8/98	0.5	ND	S
D-18-W	TPH-G	4/8/98	0.05	ND	W
D-23-S	TPH-G	4/8/98	0.3	840	S
Composite SP-10A-D	TPH-G	4/17/98	0.3	1.8	S
Composite SP-6A,6B,6C,6D	Antimony	4/17/98	0.2	0.2	S
Composite SP-6A,6B,6C,6D	Arsenic	4/17/98	0.3	ND	S
Composite SP-6A,6B,6C,6D	Barium	4/17/98	0.1	6.7	S
Composite SP-6A,6B,6C,6D	Berrylium	4/17/98	0.05	ND	S
Composite SP-6A,6B,6C,6D	Cadmium	4/17/98	0.05	ND	S
Composite SP-6A,6B,6C,6D	Chromium	4/17/98	0.1	0.4	S
Composite SP-6A,6B,6C,6D	Cobalt	4/17/98	0.1	0.5	S
Composite SP-6A,6B,6C,6D	Copper	4/17/98	0.1	0.8	S
Composite SP-6A,6B,6C,6D	Lead	4/17/98	0.2	2.6	S
Composite SP-6A,6B,6C,6D	Mercury	4/17/98	0.005	ND	S
Composite SP-6A,6B,6C,6D	Molybdenum	4/17/98	0.1	ND	S
Composite SP-6A,6B,6C,6D	Nickel	4/17/98	0.1	0.6	S
Composite SP-6A,6B,6C,6D	Selenium	4/17/98	0.3	ND	S
Composite SP-6A,6B,6C,6D	Silver	4/17/98	0.1	ND	S
Composite SP-6A,6B,6C,6D	Thallium	4/17/98	0.3	ND	S
Composite SP-6A,6B,6C,6D	Vanadium	4/17/98	0.1	0.5	S
Composite SP-6A,6B,6C,6D	Zinc	4/17/98	0.1	4.1	S
Composite SP-7A,7B,7C,7D	Antimony	4/17/98	0.2	0.3	S
Composite SP-7A,7B,7C,7D	Arsenic	4/17/98	0.3	ND	S
Composite SP-7A,7B,7C,7D	Barium	4/17/98	0.1	6.5	S
Composite SP-7A,7B,7C,7D	Berrylium	4/17/98	0.05	ND	S
Composite SP-7A,7B,7C,7D	Cadmium	4/17/98	0.05	ND	S
Composite SP-7A,7B,7C,7D	Chromium	4/17/98	0.1	0.3	S
Composite SP-7A,7B,7C,7D	Cobalt	4/17/98	0.1	0.5	S
Composite SP-7A,7B,7C,7D	Copper	4/17/98	0.1	0.7	S
Composite SP-7A,7B,7C,7D	Lead	4/17/98	0.2	2.3	S
Composite SP-7A,7B,7C,7D	Mercury	4/17/98	0.005	ND	S
Composite SP-7A,7B,7C,7D	Molybdenum	4/17/98	0.1	ND	S

Table B-1

Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Composite SP-7A,7B,7C,7D	Nickel	4/17/98	0.1	0.7	S
Composite SP-7A,7B,7C,7D	Selenium	4/17/98	0.3	ND	S
Composite SP-7A,7B,7C,7D	Silver	4/17/98	0.1	ND	S
Composite SP-7A,7B,7C,7D	Thallium	4/17/98	0.3	ND	S
Composite SP-7A,7B,7C,7D	Vanadium	4/17/98	0.1	0.6	S
Composite SP-7A,7B,7C,7D	Zinc	4/17/98	0.1	3.6	S
Composite SP-8A,8B,8C,8D	Antimony	4/17/98	0.2	ND	S
Composite SP-8A,8B,8C,8D	Arsenic	4/17/98	0.3	ND	S
Composite SP-8A,8B,8C,8D	Barium	4/17/98	0.1	6.3	S
Composite SP-8A,8B,8C,8D	Berrylium	4/17/98	0.05	ND	S
Composite SP-8A,8B,8C,8D	Cadmium	4/17/98	0.05	ND	S
Composite SP-8A,8B,8C,8D	Chromium	4/17/98	0.1	0.3	S
Composite SP-8A,8B,8C,8D	Cobalt	4/17/98	0.1	0.5	S
Composite SP-8A,8B,8C,8D	Copper	4/17/98	0.1	0.8	S
Composite SP-8A,8B,8C,8D	Lead	4/17/98	0.2	2.4	S
Composite SP-8A,8B,8C,8D	Mercury	4/17/98	0.005	ND	S
Composite SP-8A,8B,8C,8D	Molybdenum	4/17/98	0.1	ND	S
Composite SP-8A,8B,8C,8D	Nickel	4/17/98	0.1	0.7	S
Composite SP-8A,8B,8C,8D	Selenium	4/17/98	0.3	ND	S
Composite SP-8A,8B,8C,8D	Silver	4/17/98	0.1	ND	S
Composite SP-8A,8B,8C,8D	Thallium	4/17/98	0.3	ND	S
Composite SP-8A,8B,8C,8D	Vanadium	4/17/98	0.1	0.6	S
Composite SP-8A,8B,8C,8D	Zinc	4/17/98	0.1	3.5	S
Composite SP-9A,9B,9C,9D	Antimony	4/17/98	0.2	0.3	S
Composite SP-9A,9B,9C,9D	Arsenic	4/17/98	0.3	ND	S
Composite SP-9A,9B,9C,9D	Barium	4/17/98	0.1	7.2	S
Composite SP-9A,9B,9C,9D	Berrylium	4/17/98	0.05	ND	S
Composite SP-9A,9B,9C,9D	Cadmium	4/17/98	0.05	0.07	S
Composite SP-9A,9B,9C,9D	Chromium	4/17/98	0.1	0.3	S
Composite SP-9A,9B,9C,9D	Cobalt	4/17/98	0.1	0.4	S
Composite SP-9A,9B,9C,9D	Copper	4/17/98	0.1	1.6	S
Composite SP-9A,9B,9C,9D	Lead	4/17/98	0.2	4.1	S
Composite SP-9A,9B,9C,9D	Mercury	4/17/98	0.005	ND	S
Composite SP-9A,9B,9C,9D	Molybdenum	4/17/98	0.1	ND	S
Composite SP-9A,9B,9C,9D	Nickel	4/17/98	0.1	0.6	S
Composite SP-9A,9B,9C,9D	Selenium	4/17/98	0.3	ND	S
Composite SP-9A,9B,9C,9D	Silver	4/17/98	0.1	ND	S
Composite SP-9A,9B,9C,9D	Thallium	4/17/98	0.3	ND	S
Composite SP-9A,9B,9C,9D	Vanadium	4/17/98	0.1	0.6	S
Composite SP-9A,9B,9C,9D	Zinc	4/17/98	0.1	5.2	S
Composite SP-10A-D	Antimony	4/17/98	0.2	0.3	S
Composite SP-10A-D	Arsenic	4/17/98	0.3	ND	S
Composite SP-10A-D	Barium	4/17/98	0.1	7.4	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Composite SP-10A-D	Berrylium	4/17/98	0.05	ND	S
Composite SP-10A-D	Cadmium	4/17/98	0.05	ND	S
Composite SP-10A-D	Chromium	4/17/98	0.1	0.2	S
Composite SP-10A-D	Cobalt	4/17/98	0.1	0.4	S
Composite SP-10A-D	Copper	4/17/98	0.1	0.4	S
Composite SP-10A-D	Lead	4/17/98	0.2	0.9	S
Composite SP-10A-D	Mercury	4/17/98	0.005	ND	S
Composite SP-10A-D	Molybdenum	4/17/98	0.1	ND	S
Composite SP-10A-D	Nickel	4/17/98	0.1	0.6	S
Composite SP-10A-D	Selenium	4/17/98	0.3	ND	S
Composite SP-10A-D	Silver	4/17/98	0.1	ND	S
Composite SP-10A-D	Thallium	4/17/98	0.3	ND	S
Composite SP-10A-D	Vanadium	4/17/98	0.1	0.6	S
Composite SP-10A-D	Zinc	4/17/98	0.1	1.7	S
Composite SP-10A-D	Antimony	4/17/98	0.1	ND	S
Composite SP-10A-D	Arsenic	4/17/98	0.3	ND	S
Composite SP-10A-D	Barium	4/17/98	5	ND	S
Composite SP-10A-D	Berrylium	4/17/98	0.05	ND	S
Composite SP-10A-D	Cadmium	4/17/98	0.1	ND	S
Composite SP-10A-D	Chromium	4/17/98	0.1	ND	S
Composite SP-10A-D	Cobalt	4/17/98	0.1	ND	S
Composite SP-10A-D	Copper	4/17/98	0.1	ND	S
Composite SP-10A-D	Lead	4/17/98	0.1	ND	S
Composite SP-10A-D	Mercury	4/17/98	0.005	ND	S
Composite SP-10A-D	Molybdenum	4/17/98	0.1	ND	S
Composite SP-10A-D	Nickel	4/17/98	0.1	ND	S
Composite SP-10A-D	Selenium	4/17/98	0.3	ND	S
Composite SP-10A-D	Silver	4/17/98	0.1	ND	S
Composite SP-10A-D	Thallium	4/17/98	0.1	ND	S
Composite SP-10A-D	Vanadium	4/17/98	0.1	ND	S
Composite SP-10A-D	Zinc	4/17/98	0.1	1.1	S
Composite SP-10A-D	TPH-G	4/17/98	0.3	1.8	S
Composite SP-10A-D	Total Extractables	4/17/98	20	590	S
Composite SP-10A-D	TPH-Diesel	4/17/98	500	ND	S
Composite SP-10A-D	TPH-Oil	4/17/98	300	ND	S
Composite SP-10A-D	Acetone	4/17/98	0.02	ND	S
Composite SP-10A-D	Benzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Bromobenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Bromochloromethane	4/17/98	0.005	ND	S
Composite SP-10A-D	Bromodichloromethane	4/17/98	0.005	ND	S
Composite SP-10A-D	Bromoform	4/17/98	0.005	ND	S
Composite SP-10A-D	Bromomethane	4/17/98	0.005	ND	S
Composite SP-10A-D	2-Butanone	4/17/98	0.02	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Composite SP-10A-D	n-Butylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Carbon disulfide	4/17/98	0.02	ND	S
Composite SP-10A-D	Carbon tetrachloride	4/17/98	0.005	ND	S
Composite SP-10A-D	Chlorobenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Chloroethane	4/17/98	0.005	ND	S
Composite SP-10A-D	Chloroform	4/17/98	0.005	ND	S
Composite SP-10A-D	Chloromethane	4/17/98	0.005	ND	S
Composite SP-10A-D	2-Chlorotoluene	4/17/98	0.005	ND	S
Composite SP-10A-D	4-Chlorotoluene	4/17/98	0.005	ND	S
Composite SP-10A-D	Dibromochloromethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2-Dibromo-3-chloropropane	4/17/98	0.02	ND	S
Composite SP-10A-D	1,2-Dibromoethane	4/17/98	0.005	ND	S
Composite SP-10A-D	Dibromoethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2-Dichlorobenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	1,3-Dichlorobenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	1,4-Dichlorobenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Dichlorodifluoromethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,1-Dichloroethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2-Dichloroethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,1-Dichloroethene	4/17/98	0.005	ND	S
Composite SP-10A-D	cis-1,2-Dichloroethene	4/17/98	0.005	ND	S
Composite SP-10A-D	trans-1,2-Dichloroethene	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2-Dichloropropane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,3-Dichloropropane	4/17/98	0.005	ND	S
Composite SP-10A-D	2,2-Dichloropropane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,1-Dichloropropene	4/17/98	0.005	ND	S
Composite SP-10A-D	cis-1,3-dichloropropene	4/17/98	0.005	ND	S
Composite SP-10A-D	trans-1,3-dichloropropene	4/17/98	0.005	ND	S
Composite SP-10A-D	Ethylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Freon 113	4/17/98	0.005	ND	S
Composite SP-10A-D	Hexachlorobutadiene	4/17/98	0.005	ND	S
Composite SP-10A-D	2-Hexanone	4/17/98	0.02	ND	S
Composite SP-10A-D	Isopropylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	p-Isopropyltoluene	4/17/98	0.005	ND	S
Composite SP-10A-D	Methylene chloride	4/17/98	0.005	ND	S
Composite SP-10A-D	4-Methyl-2-pentanone	4/17/98	0.02	ND	S
Composite SP-10A-D	MTBE	4/17/98	0.005	ND	S
Composite SP-10A-D	Naphthalene	4/17/98	0.005	ND	S
Composite SP-10A-D	n-Propylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	sec-Butylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Styrene	4/17/98	0.005	ND	S
Composite SP-10A-D	tert-Butylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	1,1,1,2-Tetrachloroethane	4/17/98	0.005	ND	S

Table B-1

Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Composite SP-10A-D	1,1,2,2,-Tetrachloroethane	4/17/98	0.005	ND	S
Composite SP-10A-D	Tetrachloroethene	4/17/98	0.005	ND	S
Composite SP-10A-D	Toluene	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2,3-Trichlorobenzene	4/17/98	0.005	0.007	S
Composite SP-10A-D	1,2,4-Trichlorobenzene	4/17/98	0.005	0.009	S
Composite SP-10A-D	1,1,1-Trichloroethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,1,2-Trichloroethane	4/17/98	0.005	ND	S
Composite SP-10A-D	Thrichloroethene	4/17/98	0.005	ND	S
Composite SP-10A-D	Trichlorofluoromethane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2,3 -Trichloropropane	4/17/98	0.005	ND	S
Composite SP-10A-D	1,2,4-Trimethylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	1,3,5-Trimethylbenzene	4/17/98	0.005	ND	S
Composite SP-10A-D	Vinyl acetate	4/17/98	0.02	ND	S
Composite SP-10A-D	Vinyl chloride	4/17/98	0.005	ND	S
Composite SP-10A-D	o-Xylene	4/17/98	0.005	ND	S
Composite SP-10A-D	p,m-Xylenes	4/17/98	0.005	ND	S
Composite SP-10A-D	Aroclor 1016	4/17/98	0.4	ND	S
Composite SP-10A-D	Aroclor 1221	4/17/98	0.4	ND	S
Composite SP-10A-D	Aroclor 1232	4/17/98	0.3	ND	S
Composite SP-10A-D	Aroclor 1242	4/17/98	0.3	ND	S
Composite SP-10A-D	Aroclor 1248	4/17/98	0.3	ND	S
Composite SP-10A-D	Aroclor 1254	4/17/98	0.3	ND	S
Composite SP-10A-D	Aroclor 1260	4/17/98	0.3	6.3	S
T-1	TPH-G	4/17/98	0.05	ND	W
T-1	Aroclor 1016	4/17/98	0.001	ND	W
T-1	Aroclor 1221	4/17/98	0.001	ND	W
T-1	Aroclor 1232	4/17/98	0.001	ND	W
T-1	Aroclor 1242	4/17/98	0.001	ND	W
T-1	Aroclor 1248	4/17/98	0.001	ND	W
T-1	Aroclor 1254	4/17/98	0.001	ND	W
T-1	Aroclor 1260	4/17/98	0.001	0.006	W
T-1	Acetone	4/17/98	0.02	ND	W
T-1	Benzene	4/17/98	0.005	ND	W
T-1	Bromobenzene	4/17/98	0.005	ND	W
T-1	Bromochloromethane	4/17/98	0.005	ND	W
T-1	Bromodichloromethane	4/17/98	0.005	ND	W
T-1	Bromoform	4/17/98	0.005	ND	W
T-1	Bromomethane	4/17/98	0.005	ND	W
T-1	2-Butanone	4/17/98	0.02	ND	W
T-1	n-Butylbenzene	4/17/98	0.005	ND	W
T-1	Carbon disulfide	4/17/98	0.005	ND	W
T-1	Carbon tetrachloride	4/17/98	0.005	ND	W
T-1	Chlorobenzene	4/17/98	0.005	ND	W

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
T-1	Chloroethane	4/17/98	0.005	ND	W
T-1	Chloroform	4/17/98	0.005	ND	W
T-1	Chloromethane	4/17/98	0.005	ND	W
T-1	2-Chlorotoluene	4/17/98	0.005	ND	W
T-1	4-Chlorotoluene	4/17/98	0.005	ND	W
T-1	Dibromochloromethane	4/17/98	0.005	ND	W
T-1	1,2-Dibromo-3-chloropropane	4/17/98	0.005	ND	W
T-1	1,2-Dibromoethane	4/17/98	0.005	ND	W
T-1	Dibromoethane	4/17/98	0.005	ND	W
T-1	1,2-Dichlorobenzene	4/17/98	0.005	ND	W
T-1	1,3-Dichlorobenzene	4/17/98	0.005	ND	W
T-1	1,4-Dichlorobenzene	4/17/98	0.005	ND	W
T-1	Dichlorodifluoromethane	4/17/98	0.005	ND	W
T-1	1,1-Dichloroethane	4/17/98	0.005	ND	W
T-1	1,2-Dichloroethane	4/17/98	0.005	ND	W
T-1	1,1-Dichloroethene	4/17/98	0.005	ND	W
T-1	cis-1,2-Dichloroethene	4/17/98	0.005	ND	W
T-1	trans-1,2-Dichloroethene	4/17/98	0.005	ND	W
T-1	1,2-Dichloropropane	4/17/98	0.005	ND	W
T-1	1,3-Dichloropropane	4/17/98	0.005	ND	W
T-1	2,2-Dichloropropane	4/17/98	0.005	ND	W
T-1	1,1-Dichloropropene	4/17/98	0.005	ND	W
T-1	cis-1,3-dichloropropene	4/17/98	0.005	ND	W
T-1	trans-1,3-dichloropropene	4/17/98	0.005	ND	W
T-1	Ethylbenzene	4/17/98	0.005	ND	W
T-1	Freon 113	4/17/98	0.005	ND	W
T-1	Hexachlorobutadiene	4/17/98	0.005	ND	W
T-1	2-Hexanone	4/17/98	0.02	ND	W
T-1	Isopropylbenzene	4/17/98	0.005	ND	W
T-1	p-Isopropyltoluene	4/17/98	0.005	ND	W
T-1	Methylene chloride	4/17/98	0.005	ND	W
T-1	4-Methyl-2-pentanone	4/17/98	0.02	ND	W
T-1	MTBE	4/17/98	0.005	ND	W
T-1	Naphthalene	4/17/98	0.005	ND	W
T-1	n-Propylbenzene	4/17/98	0.005	ND	W
T-1	sec-Butylbenzene	4/17/98	0.005	ND	W
T-1	Styrene	4/17/98	0.005	ND	W
T-1	tert-Butylbenzene	4/17/98	0.005	ND	W
T-1	1,1,1,2-Tetrachloroethane	4/17/98	0.005	ND	W
T-1	1,1,2,2,-Tetrachloroethane	4/17/98	0.005	ND	W
T-1	Tetrachloroethene	4/17/98	0.005	ND	W
T-1	Toluene	4/17/98	0.005	ND	W
T-1	1,2,3-Trichlorobenzene	4/17/98	0.005	ND	W

Table B-1
Concentrations of Chemicals of Concern
at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
T-1	1,2,4-Trichlorobenzene	4/17/98	0.005	ND	W
T-1	1,1,1-Trichloroethane	4/17/98	0.005	ND	W
T-1	1,1,2-Trichloroethane	4/17/98	0.005	ND	W
T-1	Thrichloroethene	4/17/98	0.005	ND	W
T-1	Trichlorofluoromethane	4/17/98	0.005	ND	W
T-1	1,2,3 -Trichloropropane	4/17/98	0.005	ND	W
T-1	1,2,4-Trimethylbenzene	4/17/98	0.005	ND	W
T-1	1,3,5-Trimethylbenzene	4/17/98	0.005	ND	W
T-1	Vinyl acetate	4/17/98	0.02	ND	W
T-1	Vinyl chloride	4/17/98	0.005	ND	W
T-1	o-Xylene	4/17/98	0.005	ND	W
T-1	p,m-Xylenes	4/17/98	0.005	ND	W
T-1	Total Extractables	4/17/98	0.3	7.4	W
T-1	TPH-Diesel	4/17/98	4	ND	W
T-1	TPH-Oil	4/17/98	1	6	W
T-2	Diesel	4/30/98	0.05	2.4	W
T-2	Motor Oil	4/30/98	0.5	1	W
T-2	Aroclor 1016	4/30/98	0.0005	ND	W
T-2	Aroclor 1221	4/30/98	0.0005	ND	W
T-2	Aroclor 1232	4/30/98	0.0005	ND	W
T-2	Aroclor 1242	4/30/98	0.0005	ND	W
T-2	Aroclor 1248	4/30/98	0.0005	ND	W
T-2	Aroclor 1254	4/30/98	0.0005	ND	W
T-2	Aroclor 1260	4/30/98	0.0005	ND	W
UST-1	Aroclor 1016	5/1/98	0.0005	ND	W
UST-1	Aroclor 1221	5/1/98	0.0005	ND	W
UST-1	Aroclor 1232	5/1/98	0.0005	ND	W
UST-1	Aroclor 1242	5/1/98	0.0005	ND	W
UST-1	Aroclor 1248	5/1/98	0.0005	ND	W
UST-1	Aroclor 1254	5/1/98	0.0005	ND	W
UST-1	Aroclor 1260	5/1/98	0.0005	ND	W
UST-2	Aroclor 1016	5/1/98	0.0005	ND	W
UST-2	Aroclor 1221	5/1/98	0.0005	ND	W
UST-2	Aroclor 1232	5/1/98	0.0005	ND	W
UST-2	Aroclor 1242	5/1/98	0.0005	ND	W
UST-2	Aroclor 1248	5/1/98	0.0005	ND	W
UST-2	Aroclor 1254	5/1/98	0.0005	ND	W
UST-2	Aroclor 1260	5/1/98	0.0005	ND	W
UST-1	Gasoline	5/1/98	0.05	ND	W
UST-2	Gasoline	5/1/98	0.05	ND	W
UST-1	Acetone	5/1/98	0.05	ND	W
UST-1	Benzene	5/1/98	0.0005	ND	W
UST-1	Bromobenzene	5/1/98	0.0005	ND	W

Table B-1

Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
UST-1	Bromochloromethane	5/1/98	0.001	ND	W
UST-1	Bromodichloromethane	5/1/98	0.0005	ND	W
UST-1	Bromoform	5/1/98	0.0005	ND	W
UST-1	Bromomethane	5/1/98	0.001	ND	W
UST-1	2-Butanone	5/1/98	0.05	ND	W
UST-1	2-Chloroethylvinylether	5/1/98	0.0005	ND	W
UST-1	Carbon disulfide	5/1/98	0.0005	ND	W
UST-1	Carbon tetrachloride	5/1/98	0.0005	ND	W
UST-1	Chlorobenzene	5/1/98	0.0005	ND	W
UST-1	Chloroethane	5/1/98	0.001	ND	W
UST-1	Chloroform	5/1/98	0.0005	ND	W
UST-1	Chloromethane	5/1/98	0.001	ND	W
UST-1	Dibromochloromethane	5/1/98	0.0005	ND	W
UST-1	1,2-Dibromo-3-chloropropane	5/1/98	0.005	ND	W
UST-1	1,2-Dibromoethane	5/1/98	0.0005	ND	W
UST-1	Dibromoethane	5/1/98	0.0005	ND	W
UST-1	1,2-Dichlorobenzene	5/1/98	0.0005	ND	W
UST-1	1,3-Dichlorobenzene	5/1/98	0.0005	ND	W
UST-1	1,4-Dichlorobenzene	5/1/98	0.0005	ND	W
UST-1	1,1-Dichloroethane	5/1/98	0.0005	ND	W
UST-1	1,2-Dichloroethane	5/1/98	0.0005	ND	W
UST-1	1,1-Dichloroethene	5/1/98	0.0005	ND	W
UST-1	cis-1,2-Dichloroethene	5/1/98	0.0005	ND	W
UST-1	trans-1,2-Dichloroethene	5/1/98	0.0005	ND	W
UST-1	1,2-Dichloropropane	5/1/98	0.0005	ND	W
UST-1	cis-1,3-dichloropropene	5/1/98	0.0005	ND	W
UST-1	trans-1,3-dichloropropene	5/1/98	0.0005	ND	W
UST-1	Ethylbenzene	5/1/98	0.0005	ND	W
UST-1	2-Hexanone	5/1/98	0.05	ND	W
UST-1	Isopropylbenzene	5/1/98	0.0005	ND	W
UST-1	Methylene chloride	5/1/98	0.003	ND	W
UST-1	4-Methyl-2-pentanone	5/1/98	0.05	ND	W
UST-1	Naphthalene	5/1/98	0.001	ND	W
UST-1	Styrene	5/1/98	0.0005	ND	W
UST-1	1,1,1,2-Tetrachloroethane	5/1/98	0.0005	ND	W
UST-1	1,1,2,2-Tetrachloroethane	5/1/98	0.0005	ND	W
UST-1	Tetrachloroethene	5/1/98	0.0005	ND	W
UST-1	Toluene	5/1/98	0.0005	ND	W
UST-1	1,1,1-Trichloroethane	5/1/98	0.0005	ND	W
UST-1	1,1,2-Trichloroethane	5/1/98	0.0005	ND	W
UST-1	Thrichloroethene	5/1/98	0.0005	ND	W
UST-1	Trichlorofluoromethane	5/1/98	0.0005	ND	W
UST-1	Trichlorotrifluoroethane	5/1/98	0.0005	ND	W

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
UST-1	Vinyl acetate	5/1/98	0.005	ND	W
UST-1	Vinyl chloride	5/1/98	0.0005	ND	W
UST-1	Total Xylenes	5/1/98	0.001	ND	W
UST-2	Acetone	5/1/98	0.05	ND	W
UST-2	Benzene	5/1/98	0.0005	ND	W
UST-2	Bromobenzene	5/1/98	0.0005	ND	W
UST-2	Bromochloromethane	5/1/98	0.001	ND	W
UST-2	Bromodichloromethane	5/1/98	0.0005	ND	W
UST-2	Bromoform	5/1/98	0.0005	ND	W
UST-2	Bromomethane	5/1/98	0.001	ND	W
UST-2	2-Butanone	5/1/98	0.05	ND	W
UST-2	2-Chloroethylvinylether	5/1/98	0.0005	ND	W
UST-2	Carbon tetrachloride	5/1/98	0.0005	ND	W
UST-2	Chlorobenzene	5/1/98	0.0005	ND	W
UST-2	Chloroethane	5/1/98	0.001	ND	W
UST-2	Chloroform	5/1/98	0.0005	ND	W
UST-2	Chloromethane	5/1/98	0.001	ND	W
UST-2	Dibromochloromethane	5/1/98	0.0005	ND	W
UST-2	1,2-Dibromo-3-chloropropane	5/1/98	0.005	ND	W
UST-2	1,2-Dibromoethane	5/1/98	0.0005	ND	W
UST-2	Dibromoethane	5/1/98	0.0005	ND	W
UST-2	1,2-Dichlorobenzene	5/1/98	0.0005	ND	W
UST-2	1,3-Dichlorobenzene	5/1/98	0.0005	ND	W
UST-2	1,4-Dichlorobenzene	5/1/98	0.0005	ND	W
UST-2	1,1-Dichloroethane	5/1/98	0.0005	ND	W
UST-2	1,2-Dichloroethane	5/1/98	0.0005	ND	W
UST-2	1,1-Dichloroethene	5/1/98	0.0005	ND	W
UST-2	cis-1,2-Dichloroethene	5/1/98	0.0005	ND	W
UST-2	trans-1,2-Dichloroethene	5/1/98	0.0005	ND	W
UST-2	1,2-Dichloropropane	5/1/98	0.0005	ND	W
UST-2	cis-1,3-dichloropropene	5/1/98	0.0005	ND	W
UST-2	trans-1,3-dichloropropene	5/1/98	0.0005	ND	W
UST-2	Ethylbenzene	5/1/98	0.0005	ND	W
UST-2	2-Hexanone	5/1/98	0.05	ND	W
UST-2	Isopropylbenzene	5/1/98	0.0005	ND	W
UST-2	Methylene chloride	5/1/98	0.003	ND	W
UST-2	4-Methyl-2-pentanone	5/1/98	0.05	ND	W
UST-2	Naphthalene	5/1/98	0.001	ND	W
UST-2	Styrene	5/1/98	0.0005	ND	W
UST-2	1,1,1,2-Tetrachloroethane	5/1/98	0.0005	ND	W
UST-2	1,1,2,2-Tetrachloroethane	5/1/98	0.0005	ND	W
UST-2	Tetrachloroethene	5/1/98	0.0005	ND	W
UST-2	Toluene	5/1/98	0.0005	ND	W

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
UST-2	1,1,1-Trichloroethane	5/1/98	0.0005	ND	W
UST-2	1,1,2-Trichloroethane	5/1/98	0.0005	ND	W
UST-2	Thrichloroethene	5/1/98	0.0005	ND	W
UST-2	Trichlorofluoromethane	5/1/98	0.0005	ND	W
UST-2	Trichlorotrifluoroethane	5/1/98	0.0005	ND	W
UST-2	Vinyl acetate	5/1/98	0.005	ND	W
UST-2	Vinyl chloride	5/1/98	0.0005	ND	W
UST-2	Total Xylenes	5/1/98	0.001	ND	W
UST-1	TPH-Diesel	5/1/98	0.05	7	W
UST-2	TPH-Diesel	5/1/98	0.05	5.3	W
UST-1	TPH-Oil	5/1/98	0.05	0.97	W
UST-2	TPH-Oil	5/1/98	0.05	1.3	W
E3-S	Gasoline	5/7/98	0.5	0.71	S
E3-S	Benzene	5/7/98	0.005	0.015	S
E3-S	Ethylbenzene	5/7/98	0.005	0.007	S
E3-S	Toluene	5/7/98	0.005	0.014	S
E3-S	Xylenes	5/7/98	0.01	0.027	S
F7-S	Gasoline	5/7/98	0.5	ND	S
F7-S	Benzene	5/7/98	0.005	ND	S
F7-S	Ethylbenzene	5/7/98	0.005	ND	S
F7-S	Toluene	5/7/98	0.005	ND	S
F7-S	Xylenes	5/7/98	0.01	ND	S
G11-S	Gasoline	5/7/98	0.5	ND	S
G11-S	Benzene	5/7/98	0.005	ND	S
G11-S	Ethylbenzene	5/7/98	0.005	ND	S
G11-S	Toluene	5/7/98	0.005	ND	S
G11-S	Xylenes	5/7/98	0.01	ND	S
F15-S	Gasoline	5/7/98	0.5	ND	S
F15-S	Benzene	5/7/98	0.005	ND	S
F15-S	Ethylbenzene	5/7/98	0.005	ND	S
F15-S	Toluene	5/7/98	0.005	ND	S
F15-S	Xylenes	5/7/98	0.01	ND	S
UST-3 Connector Pipe	PCB 1016	5/8/98	0.00005	ND	W
UST-3 Connector Pipe	PCB 1221	5/8/98	0.0004	ND	W
UST-3 Connector Pipe	PCB 1232	5/8/98	0.0001	ND	W
UST-3 Connector Pipe	PCB 1242	5/8/98	0.0001	ND	W
UST-3 Connector Pipe	PCB 1248	5/8/98	0.0001	ND	W
UST-3 Connector Pipe	PCB 1254	5/8/98	0.0001	ND	W
UST-3 Connector Pipe	PCB 1260	5/8/98	0.0001	0.00028	W
UST-3 Connector Pipe	TPH-g	5/8/98	0.05	ND	W
UST-3 Connector Pipe	TPH-Diesel	5/8/98	0.05	0.383	W
UST-3 Connector Pipe	TPH-Oil	5/8/98	0.1	0.332	W
UST-1/UST-2 Pit Water	Benzene	5/11/98	0.005	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
UST-1/UST-2 Pit Water	Bromobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Bromochloromethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Bromodichloromethane	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	Bromoform	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Bromomethane	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	n-Butylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	sec-Butylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	ter-Butylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Carbon Tetrachloride	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Chlorobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Chloroethane	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	Chloroform	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	Chloromethane	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	2-Chlorotoluene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	4-Chlorotoluene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Dibromochloromethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2-Dibromo-3chloropropane	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	1,2-Dibromoethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Dibromomethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2-Dichlorobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,3-Dichlorobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,4-Dichlorobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Dichlorodifluoromethane	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	1,1-Dichloroethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2-Dichloroethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,1-Dichloroethene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	cis-1,2-Dichloroethene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	trans-1,2,Dichloroethene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2-Dichloropropane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,3-Dichloropropane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	2,2-Dichloropropane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,1-Dichloropropane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Ethylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Hexachlorobutadiene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Isopropylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	p-Isopropyltoluene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Methylene Chloride	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	Naphthalene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	n-Propylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Styrene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,1,1,2-Tetrachloroethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,1,2,2-Tetrachloroethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Tetrachloroethane	5/11/98	0.005	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
UST-1/UST-2 Pit Water	Toluene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2,3-Trichlorobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2,4-Trichlorobenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,1,1-Tricholrorethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,1,2-Trichloroethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Trichloroethene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Trichlorofluoromethane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2,3-Trichloropropane	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,2,4-Trimethylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	1,3,5-Trimethylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Vinyl Chloride	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	Xylenes, Total	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	Acetone	5/11/98	0.1	ND	S
UST-1/UST-2 Pit Water	2-Butanone	5/11/98	0.1	ND	S
UST-1/UST-2 Pit Water	Carbon Disulfide	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	cis-1,3-Dichloropropene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	trans-1,3-Dichloropropene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	2-Hexanone	5/11/98	0.05	ND	S
UST-1/UST-2 Pit Water	4-Methyl-2pentanone	5/11/98	0.05	ND	S
UST-1/UST-2 Pit Water	Vinyl Acetate	5/11/98	0.05	ND	S
UST-1/UST-2 Pit Water	2-Chloroethyl Vinyl Ether	5/11/98	0.01	ND	S
UST-1/UST-2 Pit Water	PCB 1016	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	PCB 1221	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	PCB 1232	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	PCB 1242	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	PCB 1248	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	PCB 1254	5/11/98	0.02	ND	S
UST-1/UST-2 Pit Water	PCB 1260	5/11/98	0.02	2.04	S
UST-1/UST-2 Pit Water	Benzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Toluene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	Ethylbenzene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	T-Xylene	5/11/98	0.005	ND	S
UST-1/UST-2 Pit Water	TPH-Gas	5/11/98	0.05	ND	S
UST-1/UST-2 Pit Water	TPH-Diesel	5/11/98	1	1430	S
UST-1/UST-2 Pit Water	TPH-Oil	5/11/98	2.5	1260	S
Inside UST-3 Tank	Silver	5/12/98	0.25	ND	S
Inside UST-3 Tank	Arsenic	5/12/98	1	7.9	S
Inside UST-3 Tank	Barium	5/12/98	1	44.5	S
Inside UST-3 Tank	Beryllium	5/12/98	0.75	ND	S
Inside UST-3 Tank	Cadmium	5/12/98	0.75	ND	S
Inside UST-3 Tank	Cobalt	5/12/98	1	7.5	S
Inside UST-3 Tank	Chromium(III)	5/12/98	0.25	39.4	S
Inside UST-3 Tank	Copper	5/12/98	0.75	17.4	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Inside UST-3 Tank	Mercury	5/12/98	0.06	ND	S
Inside UST-3 Tank	Molybdenum	5/12/98	1	ND	S
Inside UST-3 Tank	Nickel	5/12/98	2	48	S
Inside UST-3 Tank	Lead	5/12/98	2	7	S
Inside UST-3 Tank	Antimony	5/12/98	2	ND	S
Inside UST-3 Tank	Selenium	5/12/98	1	ND	S
Inside UST-3 Tank	Thallium	5/12/98	2	ND	S
Inside UST-3 Tank	Vanadium	5/12/98	1	19.7	S
Inside UST-3 Tank	Zinc	5/12/98	0.75	31.9	S
Outside UST-3 Tank	Silver	5/12/98	0.25	ND	S
Outside UST-3 Tank	Arsenic	5/12/98	1	11.4	S
Outside UST-3 Tank	Barium	5/12/98	1	217	S
Outside UST-3 Tank	Beryllium	5/12/98	0.75	0.95	S
Outside UST-3 Tank	Cadmium	5/12/98	0.75	ND	S
Outside UST-3 Tank	Cobalt	5/12/98	1	10.4	S
Outside UST-3 Tank	Chromium(III)	5/12/98	0.25	30.6	S
Outside UST-3 Tank	Copper	5/12/98	0.75	13	S
Outside UST-3 Tank	Mercury	5/12/98	0.06	0.08	S
Outside UST-3 Tank	Molybdenum	5/12/98	1	3.6	S
Outside UST-3 Tank	Nickel	5/12/98	2	44.7	S
Outside UST-3 Tank	Lead	5/12/98	2	7.2	S
Outside UST-3 Tank	Antimony	5/12/98	2	ND	S
Outside UST-3 Tank	Selenium	5/12/98	1	ND	S
Outside UST-3 Tank	Thallium	5/12/98	2	ND	S
Outside UST-3 Tank	Vanadium	5/12/98	1	27.2	S
Outside UST-3 Tank	Zinc	5/12/98	0.75	35	S
Sample Under UST-2	Silver	5/12/98	0.25	ND	S
Sample Under UST-2	Arsenic	5/12/98	1	8.1	S
Sample Under UST-2	Barium	5/12/98	1	64.8	S
Sample Under UST-2	Beryllium	5/12/98	0.75	ND	S
Sample Under UST-2	Cadmium	5/12/98	0.75	ND	S
Sample Under UST-2	Cobalt	5/12/98	1	5.9	S
Sample Under UST-2	Chromium(III)	5/12/98	0.25	17.4	S
Sample Under UST-2	Copper	5/12/98	0.75	10.5	S
Sample Under UST-2	Mercury	5/12/98	0.06	0.18	S
Sample Under UST-2	Molybdenum	5/12/98	1	1.6	S
Sample Under UST-2	Nickel	5/12/98	2	17.1	S
Sample Under UST-2	Lead	5/12/98	2	12.9	S
Sample Under UST-2	Antimony	5/12/98	2	ND	S
Sample Under UST-2	Selenium	5/12/98	1	ND	S
Sample Under UST-2	Thallium	5/12/98	2	ND	S
Sample Under UST-2	Vanadium	5/12/98	1	17.6	S
Sample Under UST-2	Zinc	5/12/98	0.75	41.6	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Stockpile Comp. Near UST-3	cis-1,2-Dichloroethene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	trans-1,2,Dichloroethene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,2-Dichloropropane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,3-Dichloropropane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	2,2-Dichloropropane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,1-Dichloropropane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Ethylbenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Hexachlorobutadiene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Isopropylbenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	p-Isopropyltoluene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Methylene Chloride	5/13/98	0.02	ND	S
Stockpile Comp. Near UST-3	Naphthalene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	n-Propylbenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Styrene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,1,1,2-Tetrachloroethane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,1,2,2-Tetrachloroethane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Tetrachloroethane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Toluene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,2,3-Trichlorobenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,1,1-Tricholrorethane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,1,2-Trichloroethane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Trichloroethene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Trichlorofluoromethane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,2,3-Trichloropropane	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,2,4-Trimethylbenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	1,3,5-Trimethylbenzene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	Vinyl Chloride	5/13/98	0.01	ND	S
Stockpile Comp. Near UST-3	Xylenes, Total	5/13/98	0.01	ND	S
Stockpile Comp. Near UST-3	Acetone	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2-Butanone	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Carbon Disulfide	5/13/98	0.01	ND	S
Stockpile Comp. Near UST-3	cis-1,3-Dichloropropene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	trans-1,3-Dichloropropene	5/13/98	0.005	ND	S
Stockpile Comp. Near UST-3	2-Hexanone	5/13/98	0.05	ND	S
Stockpile Comp. Near UST-3	4-Methyl-2pentanone	5/13/98	0.05	ND	S
Stockpile Comp. Near UST-3	Vinyl Acetate	5/13/98	0.05	ND	S
Stockpile Comp. Near UST-3	2-Chloroethyl Vinyl Ether	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	Benzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Bromobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Bromochloromethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Bromodichloromethane	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	Bromoform	5/13/98	0.005	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Water/Sludge Near UST-3	Bromomethane	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	n-Butylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	sec-Butylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	ter-Butylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Carbon Tetrachloride	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Chlorobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Chloroethane	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	Chloroform	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Chloromethane	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	2-Chlorotoluene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	4-Chlorotoluene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Dibromochloromethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2-Dibromo-3chloropropane	5/13/98	0.02	ND	S
Water/Sludge Near UST-3	1,2-Dibromoethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Dibromomethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2-Dichlorobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,3-Dichlorobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,4-Dichlorobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Dichlorodifluoromethane	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	1,1-Dichloroethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2-Dichloroethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,1-Dichloroethene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	cis-1,2-Dichloroethene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	trans-1,2,Dichloroethene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2-Dichloropropane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,3-Dichloropropane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	2,2-Dichloropropane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,1-Dichloropropane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Ethylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Hexachlorobutadiene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Isopropylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	p-Isopropyltoluene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Methylene Chloride	5/13/98	0.02	ND	S
Water/Sludge Near UST-3	Naphthalene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	n-Propylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Styrene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,1,1,2-Tetrachloroethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,1,2,2-Tetrachloroethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Tetrachloroethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Toluene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2,3-Trichlorobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,1,1-Tricholrorethane	5/13/98	0.005	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Water/Sludge Near UST-3	1,1,2-Trichloroethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Trichloroethene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Trichlorofluoromethane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2,3-Trichloropropane	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,2,4-Trimethylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	1,3,5-Trimethylbenzene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	Vinyl Chloride	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	Xylenes, Total	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	Acetone	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2-Butanone	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Carbon Disulfide	5/13/98	0.01	ND	S
Water/Sludge Near UST-3	cis-1,3-Dichloropropene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	trans-1,3-Dichloropropene	5/13/98	0.005	ND	S
Water/Sludge Near UST-3	2-Hexanone	5/13/98	0.05	ND	S
Water/Sludge Near UST-3	4-Methyl-2pentanone	5/13/98	0.05	ND	S
Water/Sludge Near UST-3	Vinyl Acetate	5/13/98	0.05	ND	S
Water/Sludge Near UST-3	2-Chloroethyl Vinyl Ether	5/13/98	0.01	ND	S
NW Sample Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Anthracene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Benzidine	5/13/98	0.1	ND	S
NW Sample Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S
NW Sample Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S
NW Sample Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S
NW Sample Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S
NW Sample Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S
NW Sample Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S
NW Sample Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S
NW Sample Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S
NW Sample Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S
NW Sample Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S
NW Sample Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S
NW Sample Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S
NW Sample Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S
NW Sample Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S
NW Sample Near UST-3	Chrysene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S
NW Sample Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S
NW Sample Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S
NW Sample Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S
NW Sample Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
NW Sample Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S
NW Sample Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S
NW Sample Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S
NW Sample Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S
NW Sample Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S
NW Sample Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S
NW Sample Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S
NW Sample Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Fluorene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S
NW Sample Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S
NW Sample Near UST-3	Isophorone	5/13/98	0.1	ND	S
NW Sample Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Napthalene	5/13/98	0.1	ND	S
NW Sample Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S
NW Sample Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S
NW Sample Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S
NW Sample Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S
NW Sample Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S
NW Sample Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S
NW Sample Near UST-3	Phenanthrene	5/13/98	0.1	ND	S
NW Sample Near UST-3	Pyrene	5/13/98	0.1	ND	S
NW Sample Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S
NW Sample Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S
NW Sample Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S
NW Sample Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S
NW Sample Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S
NW Sample Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S
NW Sample Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S
NW Sample Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S
NW Sample Near UST-3	Phenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S
NW Sample Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
NE Sample Near UST-3	Anthracene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Benzidine	5/13/98	0.1	ND	S
NE Sample Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S
NE Sample Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S
NE Sample Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S
NE Sample Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S
NE Sample Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S
NE Sample Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S
NE Sample Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S
NE Sample Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S
NE Sample Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S
NE Sample Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S
NE Sample Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S
NE Sample Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S
NE Sample Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S
NE Sample Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S
NE Sample Near UST-3	Chrysene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S
NE Sample Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S
NE Sample Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S
NE Sample Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S
NE Sample Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S
NE Sample Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S
NE Sample Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S
NE Sample Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S
NE Sample Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S
NE Sample Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S
NE Sample Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S
NE Sample Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S
NE Sample Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Fluorene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S
NE Sample Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S
NE Sample Near UST-3	Isophorone	5/13/98	0.1	ND	S
NE Sample Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Napthalene	5/13/98	0.1	ND	S
NE Sample Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S
NE Sample Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
NE Sample Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S
NE Sample Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S
NE Sample Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S
NE Sample Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S
NE Sample Near UST-3	Phenanthrene	5/13/98	0.1	ND	S
NE Sample Near UST-3	Pyrene	5/13/98	0.1	ND	S
NE Sample Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S
NE Sample Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S
NE Sample Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S
NE Sample Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S
NE Sample Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S
NE Sample Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S
NE Sample Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S
NE Sample Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S
NE Sample Near UST-3	Phenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S
NE Sample Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Anthracene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Benzidine	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Chrysene	5/13/98	0.1	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Stockpile Comp. Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S
Stockpile Comp. Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Fluorene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Isophorone	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Napthalene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Phenanthrene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	Pyrene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S
Stockpile Comp. Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S
Stockpile Comp. Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S

Table B-1

Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Stockpile Comp. Near UST-3	Phenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S
Stockpile Comp. Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Acenanaphthene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Acenanaphthylene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Anthracene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Benzidine	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Benzoic Acid	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Benzo (a) anthracene	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	Benzo (b) fluoroanthene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Benzo (k) fluoroanthene	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Benzo (g,h,i) perylene	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Benzo (a) pyrene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Benzyl Alcohol	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Bis (2-chloroethoxy) methane	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Bis (2-chloroethyl) Ether	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Bis (2-Chloroisopropyl) Ether	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Bis (2-ethylexy) Phthalate	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	4- Bromophenyl Phenyl Ether	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Butylbenzyl Phthalate	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	4-Chloroaniline	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	2-Chloronaphthalene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	4-Chlorophenyl Phenyl Ether	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Chrysene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Dibenzo (a,h) anthracene	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Dibenzofuran	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Di-n-butyl Phthalate	5/13/98	2	ND	S
Water/Sludge Near UST-3	1,2-Dichlorobenzene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	1,3-Dichlorobenzene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	1,4-Dichlorobenzene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	3,3-Dichlorobenzidine	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Diethyl Phthalate	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	Dimethyl Phthalate	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	2,4- Dinitrotoluene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2,6-Dinitrotoluene	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Di-n-octyl Phthalate	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	Fluoroanthene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Fluorene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Hexachlorobenzene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Hexachlorobutadiene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Hexachlorocyclopentadiene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Hexachloroethane	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Indeno (1.2.3-cd) pyrene	5/13/98	0.2	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Water/Sludge Near UST-3	Isophorone	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2-Methylnapthalene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Napthalene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2-Nitroaniline	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	3-Nitroaniline	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	4-Nitroaniline	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	Nitrobenzene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	N-Nitrosodiphenylamine	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	N-Nitrosodi-n-propylamine	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Phenanthrene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	Pyrene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	1,2,4-Trichlorobenzene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	4-Chloro-3methylphenol	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	Benzo(a)anthracene	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2-Chlorophenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2,4-Dichlorophenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2,4-Dimethylphenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	4,6-Dinitro-2-methylphenol	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	2,4-Dinitrophenol	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	2-Methylphenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	4-Methylphenol	5/13/98	0.2	ND	S
Water/Sludge Near UST-3	2-Nitrophenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	4-Nitrophenol	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	Pentchlorophenol	5/13/98	0.5	ND	S
Water/Sludge Near UST-3	Phenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2,4,5-Trichlorophenol	5/13/98	0.1	ND	S
Water/Sludge Near UST-3	2,4,6-Trichlorophenol	5/13/98	0.1	ND	S
Pipe to Former Truck Pit	PCB 1016	6/9/98	0.02	ND	S
Pipe to Former Truck Pit	PCB 1221	6/9/98	0.02	ND	S
Pipe to Former Truck Pit	PCB 1232	6/9/98	0.02	ND	S
Pipe to Former Truck Pit	PCB 1242	6/9/98	0.02	ND	S
Pipe to Former Truck Pit	PCB 1248	6/9/98	0.02	ND	S
Pipe to Former Truck Pit	PCB 1254	6/9/98	0.02	ND	S
Pipe to Former Truck Pit	PCB 1260	6/9/98	0.02	3.23	S
Unknown Pipe	PCB 1016	6/9/98	0.02	ND	S
Unknown Pipe	PCB 1221	6/9/98	0.02	ND	S
Unknown Pipe	PCB 1232	6/9/98	0.02	ND	S
Unknown Pipe	PCB 1242	6/9/98	0.02	ND	S
Unknown Pipe	PCB 1248	6/9/98	0.02	ND	S
Unknown Pipe	PCB 1254	6/9/98	0.02	ND	S
Unknown Pipe	PCB 1260	6/9/98	0.02	3.87	S
Soil Adj. to 59th St.	PCB 1016	6/9/98	0.02	ND	S
Soil Adj. to 59th St.	PCB 1221	6/9/98	0.02	ND	S

Table B-1

Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Soil Adj. to 59th St.	PCB 1232	6/9/98	0.02	ND	S
Soil Adj. to 59th St.	PCB 1242	6/9/98	0.02	ND	S
Soil Adj. to 59th St.	PCB 1248	6/9/98	0.02	ND	S
Soil Adj. to 59th St.	PCB 1254	6/9/98	0.02	ND	S
Soil Adj. to 59th St.	PCB 1260	6/9/98	0.02	ND	S
Old Oil Sump	PCB 1016	6/9/98	0.00005	ND	W
Old Oil Sump	PCB 1221	6/9/98	0.0004	ND	W
Old Oil Sump	PCB 1232	6/9/98	0.0001	ND	W
Old Oil Sump	PCB 1242	6/9/98	0.0001	ND	W
Old Oil Sump	PCB 1248	6/9/98	0.0001	ND	W
Old Oil Sump	PCB 1254	6/9/98	0.0001	ND	W
Old Oil Sump	PCB 1260	6/9/98	0.0001	0.015	W
Pit Water Near UST-1/UST-2	PCB 1016	6/9/98	0.00005	ND	W
Pit Water Near UST-1/UST-2	PCB 1221	6/9/98	0.0004	ND	W
Pit Water Near UST-1/UST-2	PCB 1232	6/9/98	0.0001	ND	W
Pit Water Near UST-1/UST-2	PCB 1242	6/9/98	0.0001	ND	W
Pit Water Near UST-1/UST-2	PCB 1248	6/9/98	0.0001	ND	W
Pit Water Near UST-1/UST-2	PCB 1254	6/9/98	0.0001	ND	W
Pit Water Near UST-1/UST-2	PCB 1260	6/9/98	0.0001	0.149	W
Old Oil Sump	Benzene	6/9/98	0.005	ND	W
Old Oil Sump	Toluene	6/9/98	0.005	ND	W
Old Oil Sump	Ethylbenzene	6/9/98	0.005	ND	W
Old Oil Sump	Total - Xylene	6/9/98	0.005	ND	W
Old Oil Sump	TPH-Gas	6/9/98	0.05	ND	W
Old Oil Sump	TPH-Diesel	6/9/98	0.05	0.6	W
Old Oil Sump	TPH- Motor Oil	6/9/98	0.1	0.95	W
Pit Water Near UST-1/UST-2	Benzene	6/9/98	0.005	ND	W
Pit Water Near UST-1/UST-2	Toluene	6/9/98	0.005	ND	W
Pit Water Near UST-1/UST-2	Ethylbenzene	6/9/98	0.005	ND	W
Pit Water Near UST-1/UST-2	Total - Xylene	6/9/98	0.005	ND	W
Pit Water Near UST-1/UST-2	TPH-Gas	6/9/98	0.05	ND	W
Pit Water Near UST-1/UST-2	TPH-Diesel	6/9/98	0.05	12.7	W
Pit Water Near UST-1/UST-2	TPH- Motor Oil	6/9/98	0.1	9.2	W
Pipe to Former Truck Pit	Benzene	6/9/98	0.005	ND	S
Pipe to Former Truck Pit	Toluene	6/9/98	0.005	ND	S
Pipe to Former Truck Pit	Ethylbenzene	6/9/98	0.005	ND	S
Pipe to Former Truck Pit	Total - Xylene	6/9/98	0.005	ND	S
Pipe to Former Truck Pit	TPH-Gas	6/9/98	0.05	ND	S
Pipe to Former Truck Pit	TPH-Diesel	6/9/98	1	330	S
Pipe to Former Truck Pit	TPH- Motor Oil	6/9/98	2.5	261	S
Unknown Pipe	Benzene	6/9/98	0.005	ND	S
Unknown Pipe	Toluene	6/9/98	0.005	ND	S
Unknown Pipe	Ethylbenzene	6/9/98	0.005	ND	S

Table B-1
Concentrations of Chemicals of Concern at Former Westinghouse Site in Emeryville, California

Sample ID	Chemical	Date Sampled	Detection Limit (ppm)	Concentration (ppm)	Matrix
Unknown Pipe	Total - Xylene	6/9/98	0.005	ND	S
Unknown Pipe	TPH-Gas	6/9/98	0.05	ND	S
Unknown Pipe	TPH-Diesel	6/9/98	1	670	S
Unknown Pipe	TPH- Motor Oil	6/9/98	2.5	480	S
Soil Adj. to 59th St.	Benzene	6/9/98	0.005	ND	S
Soil Adj. to 59th St.	Toluene	6/9/98	0.005	ND	S
Soil Adj. to 59th St.	Ethylbenzene	6/9/98	0.005	ND	S
Soil Adj. to 59th St.	Total - Xylene	6/9/98	0.005	ND	S
Soil Adj. to 59th St.	TPH-Gas	6/9/98	0.05	ND	S
Soil Adj. to 59th St.	TPH-Diesel	6/9/98	1	13.9	S
Soil Adj. to 59th St.	TPH- Motor Oil	6/9/98	2.5	15.1	S