April 14, 2006

Don Hwang
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Dear Mr. Hwang:

Subject: ***Work Plan for Soil and Groundwater Quality Investigation***

Reference: **Earthgrains Baking Companies, Inc.**
955 Kennedy Street
Oakland, California 94606
RO #0002569

On behalf of Earthgrains Baking Companies, Inc., PSC Environmental Services (PSC) is pleased to submit the enclosed *Work Plan for Soil and Groundwater Quality Investigation* for the above-referenced facility. PSC subcontracted ETIC Engineering, Inc. (ETIC) to prepare this work plan in response to the *Notice of Responsibility* dated August 19, 2003 and *UST System Closure Report* dated April 15, 2005.

If you have any questions concerning this work plan, then please contact Thomas Neely of ETIC at (925) 602-4710 (x 17).

Respectfully,

PSC Environmental Services

Scott Jander
Project Manager

cc: Melvin Siegel - Earthgrains Baking Companies, Inc.
Thomas Neely - ETIC Engineering, Inc.

PSC ENVIRONMENTAL SERVICES
210 West Sand Bank Road
Columbia, Illinois 62236
Phone (618) 281-1546
Fax (618) 281-7020

ETIC ENGINEERING

April 14, 2006

Mr. Scott Jander
Project Manager
PSC Environmental Services
210 West Sand Bank Road
Columbia, Illinois 62236

Subject: *Work Plan for Soil and Groundwater Quality Investigation*
Earthgrains Baking Companies, Inc., 955 Kennedy Street, Oakland, California 94606
RO #0002569

Dear Mr. Jander:

At your request, ETIC Engineering, Inc. is submitting the enclosed *Work Plan for Soil and Groundwater Quality Investigation* for the site located at 955 Kennedy Street in Oakland, California. The work plan was prepared in response to the Notice of Responsibility (NOR) letter from Alameda County Health Care Services Agency (ACHCSA), dated August 19, 2003, and *UST System Closure Report* prepared by PSC Environmental Services and dated April 15, 2005.

We have enclosed and original and four copies of the work plan for you to distribute accordingly. Should you have any questions or comments about the work plan, contact us at (925) 602-4710.

Respectfully yours,

David R. Pew
Staff Geologist

Thomas E. Neely, PG, CHG, REA II
Senior Project Manager

Enclosures

Work Plan
for
Soil and Groundwater Quality Investigation

Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606
RO #0002569

Prepared For:

PSC Environmental Services
210 West Sand Bank Road
Columbia, Illinois 62236

Prepared By:

ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523

April 2006

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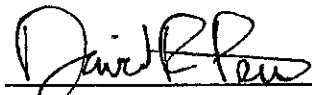
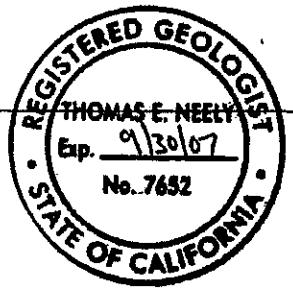


David R. Pew — **Date** 4/14/06
Staff Geologist

Thomas E. Neely, PG, CHG, REA II — **Date** 4/14/06
Senior Project Manager



April 2006

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SITE INFORMATION

Site Location

Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606

Alameda County
Township 2 South, Range 3 West, Section 7 of the Mt. Diablo Baseline and Meridian

Responsible Party

Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606

Melvin Siegel
Environmental Manager
(510) 436-5350
melvin.siegel@saralee.com

Owner's Representative

PSC Environmental Services
210 West Sand Bank Road
Columbia, Illinois 62236

Scott Jander
Project Manager
(618) 281-1546
sjander@pscnow.com

Environmental Consultant

ETIC Engineering, Inc.
2285 Morello Avenue
Pleasant Hill, California 94523

Thomas Neely
Project Manager
(925) 602-4710
tneely@eticeng.com

Regulatory Agency

Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-6577

Don Hwang
Hazardous Materials Specialist
(510) 576-6746
don.hwang@acgov.org

1.0 INTRODUCTION

On behalf of PSC Environmental Services (PSC), ETIC Engineering, Inc. (ETIC) has prepared this work plan to investigate soil and groundwater quality at Earthgrains Baking Companies, Inc. (Earthgrains) on 955 Kennedy Street in Oakland, California (Figure 1). The objective of this proposed subsurface investigation is to evaluate the degree and extent of petroleum hydrocarbons in soil and groundwater at the site (Site). To achieve this objective, ETIC will perform the following activities:

- Drill soil borings in the vicinity of the former diesel underground storage tank
- (UST) system removed in 2005;
- Collect soil and groundwater samples for laboratory analyses;
- Compile and evaluate hydrogeologic and laboratory analytical data; and
- Prepare a written investigation report for PSC.

PSC is submitting this work plan to the Alameda County Health Care Services Agency (ACHCSA) in formal response to the *Notice of Responsibility* letter dated August 19, 2003 (Appendix A) and *UST System Closure Report* dated April 15, 2005.

2.0 SITE DESCRIPTION

The Site occupies approximately five acres of land in Oakland, California (Figure 1). Earthgrains (*formerly* Kilpatrick's Bakeries, Inc.) currently owns and operates a 105,000 square-foot plant consisting of a bakery, product distribution center, and retail outlet store at the Site. An asphalt-paved parking area and driveway border the eastern and western sides of the Site and six truck loading docks are situated along the northwestern corner of the facility. A stand-alone truck wash building is located west of the plant and a truck maintenance garage was formerly located in the northwestern corner of the Site. The Site is bounded by Dennison Street to the north, Frederick Street to the south, Kennedy Street to the east, and King Street to the west. Surrounding properties to the north, south, and west of the Site are industrial and commercial businesses. Interstate 880 is located due east of Kennedy Street.

3.0 UST HISTORY

Earthgrains operated eight UST systems at the Site from 1967 to 2005. A UST system includes the storage tank, associated vent and product piping, dispenser, dispensing island, and ancillary equipment. Earthgrains installed one 10,000-gallon gasoline, one 10,000-gallon diesel, and one 350-gallon waste oil UST systems adjacent to the former truck maintenance garage in 1967. Earthgrains installed four 10,000-gallon diesel UST systems in a common excavation along the western boundary of the Site in 1977. The four diesel tanks provided a back-up fuel system for the bakery ovens in the plant. Earthgrains removed the seven UST systems for permanent

closure from 1989 to 1991 and installed one replacement 10,000-gallon diesel UST system (the eighth UST system) in 1991. The diesel tank was installed in the former excavation of the 10,000-gallon gasoline and diesel tanks. The new STI-P_3® tank was constructed of dual-wall steel and protected with a fiberglass-reinforced plastic (FRP) coating on the secondary tank (John Mathes & Associates, Inc. 1991). Earthgrains removed the 10,000-gallon diesel UST system (Tank #8) for permanent closure in 2005. The Alameda County Department of Environmental Health (ACDEH) closed the first environmental case for the Site in 1996.

3.1 HISTORICAL ENVIRONMENTAL CASE FOR THE SITE

REMOVAL OF FOUR 10,000-GALLON DIESEL UST SYSTEMS

Earthgrains removed four 10,000-gallon diesel tanks for permanent closure on October 11, 1989. The diesel tanks provided a back-up fuel system for the bakery ovens in the plant. During the UST removal activities, diesel-impacted soil was excavated and removed from the common tank excavation for off-site disposal. Following excavation activities, soil samples were collected from the floor and sidewalls of the common tank excavation and submitted for laboratory analysis. Laboratory analytical data indicate that total petroleum hydrocarbons quantified as diesel (TPH-d) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) were not detected in the confirmation soil samples (John Mathes & Associates, Inc. 1990). One water sample collected from the common tank excavation at a depth of approximately 18 feet below-ground-surface (BGS) contained TPH-d at 49 milligrams per liter, but did not contain detectable concentrations of BTEX (John Mathes & Associates, Inc. 1990). Earthgrains submitted UST closure documentation to the ACDEH in December 1989.

REMOVAL OF 10,000-GALLON GASOLINE AND DIESEL UST SYSTEMS

Earthgrains removed one 10,000-gallon gasoline and one 10,000-gallon diesel UST systems for permanent closure on December 12, 1990. The gasoline and diesel tanks shared a common excavation south of the former truck maintenance garage. During the closure activities, petroleum-hydrocarbon impacted soil was excavated and removed for off-site disposal. Soil samples were collected from the common excavation and submitted for laboratory analysis. Laboratory analytical data indicate that total petroleum hydrocarbons quantified as gasoline (TPH-g), TPH-d, and BTEX were not detected in the confirmation soil samples. One groundwater sample collected from the common tank excavation at a depth of approximately 17 to 18 feet BGS contained toluene at 0.7 micrograms per liter (µg/L), ethylbenzene at 2.6 µg/L, and total xylenes at 2.3 µg/L. TPH-g, TPH-d, and benzene were not detected in the groundwater sample (John Mathes & Associates, Inc. 1991). Following excavation and sampling, a 6-inch diameter well of unknown construction (designated NSMW-1) was installed (Burlington Environmental 1993). At this time, one new 10,000-gallon diesel tank was installed in the excavation, replacing the two previous 10,000-gallon tanks. The new 10,000-

gallon STI-P_3® tank was installed between December 1990 and January 1991 (John Mathes & Associates 1991).

REMOVAL OF 350-GALLON WASTE OIL UST SYSTEM

Earthgrains removed one 350-gallon waste oil UST system for permanent closure on January 28, 1991. The waste oil tank was located south of the former truck maintenance garage near King Street. Approximately 25 cubic yards of impacted soil were excavated and removed for off-site disposal. One soil sample was collected from the excavation at 8 feet BGS and submitted for laboratory analysis. Laboratory analytical data indicate that TPH-g, TPH-d, total oil and grease, BTEX, polychlorinated biphenyls, creosote, volatile organic compounds, and semi-volatile organic compounds were not detected in the confirmation soil sample (John Mathes & Associates 1991).

SOIL AND GROUNDWATER INVESTIGATION

In August 1992, Philip Environmental Services Corporation (PSC) installed groundwater monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5 to assess the extent of petroleum hydrocarbons in the shallow soil and groundwater beneath the Site.

Groundwater monitoring wells MW-1 and MW-2 were installed downgradient of the four former diesel tanks, along the western property line. Monitoring well MW-3 was installed downgradient of the former gasoline and diesel tanks near the former truck maintenance garage. Monitoring well MW-4 was located downgradient of the former waste oil tank near the western property line. Monitoring well MW-5 was situated upgradient of the former gasoline and diesel tanks in the northern portion of the Site.

From September 1992 to December 1994, groundwater samples were collected from the five wells on nearly a quarterly basis. TPH-d were detected sporadically at concentrations up to 460 micrograms per liter (µg/L) in well MW-1, 720 µg/L in well MW-2, 100 µg/L in well MW-4, and 100 µg/L in well MW-5.

Total petroleum hydrocarbons quantified as motor oil (TPH-mo) were detected sporadically at concentrations up to 470 µg/L in well MW-1, 710 µg/L in well MW-2, 290 µg/L in well MW-3, 690 µg/L in well MW-4, and 1,800 µg/L in well MW-5.

TPH-g were detected occasionally at concentrations up to 54 µg/L in well MW-5.

One groundwater sample collected from well MW-1 contained toluene at 0.35 µg/L. One groundwater sample collected from well MW-5 contained benzene at 0.39 µg/L, toluene at 0.39 µg/L, and total xylenes at 0.56 µg/L. The BTEX compounds were not detected in the other

samples. By the December 1994 sampling event, petroleum hydrocarbons were no longer detected in the groundwater samples.

Groundwater samples collected from wells MW-4 and MW-5 also contained trichloroethene (TCE) up to 39 µg/L, cis-1,2 dichloroethene (cis-1,2-DCE) up to 65 µg/L, vinyl chloride up to 1.2 µg/L, carbon disulfide up to 6.4 µg/L, chloroform up to 1.3 µg/L, and carbon tetrachloride up to 1.6 µg/L.

In a report dated January 19, 1995, Burlington Environmental noted that Alameda County agreed that the source of TCE and cis-1,2-DCE was offsite (Burlington Environmental 1995).

TIER 1 RISK ASSESSMENT AND CASE CLOSURE

In July 1995, PSC submitted a Tier 1 Risk Assessment to address TCE and cis-1,2-DCE contamination in groundwater and to support closure of the environmental case (Philip Environmental Services Corporation 1995b).

By correspondence dated March 4, 1996, ACDEH closed the environmental case for the Site and requested that the monitoring wells be decommissioned. The wells were decommissioned in April 1996, as documented in the "Notification of Well Abandonment," dated April 4, 1996.

3.2 CURRENT ENVIRONMENTAL CASE FOR THE SITE

DIESEL PUMP ISLAND MODIFICATION

The original pump island associated with the 10,000-gallon diesel UST system was installed northeast of the tank location. Earthgrains removed the diesel pump island and installed a new pump island, island canopy, and approximately 110 feet of dual-wall FRP product piping south of the truck wash building in 1995 (Figure 2). Earthgrains upgraded the diesel dispensing system during March 2003 in order to comply with under-dispenser containment requirements. PSC submitted a *Pump Island Modification and Testing Report* dated May 21, 2003 to the Oakland Fire Department summarizing the pump island modifications and secondary-containment testing performed on the dispensing system.

Two soil borings (Probe Hole-1 and Probe Hole-2) were drilled adjacent to the pump island on April 9, 2003 to assess potential petroleum-hydrocarbon impact from the diesel dispenser and the underground motor oil product piping. Soil sample Probe Hole-1 was collected adjacent to the diesel product piping at a depth of approximately 4.5 feet below grade and sample Probe Hole-2 was collected adjacent to the new motor oil underground product piping at a depth of approximately 3.5 feet below ground surface. At the direction of the Oakland Fire Department, PSC collected one soil sample from each soil boring for laboratory analysis.

Soil samples were collected inside six-inch long brass sample cylinders and submitted to Severn Trent Laboratories, Inc. (STL) for analysis. The BTEX compounds were not detected in the sample collected from Probe Hole-1. Total extractable petroleum hydrocarbons (TEPH) quantified as diesel were detected at 3,300 mg/kg in the sample collected from Probe Hole-1. TEPH quantified as motor oil was not detected in the sample collected from Probe Hole-2 (PSC 2005). The analytical data for the soil samples are presented in Table 1.

REMOVAL OF THE 10,000-GALLON DIESEL UST SYSTEM

The City of Oakland Fire Prevention Bureau issued Tank Permit Number T05-0002 on January 19, 2005 authorizing removal of the 10,000-gallon diesel UST system for permanent closure. Earthgrains contracted West Star Environmental, Inc. (West Star) to perform the removal activities and PSC to perform the closure assessment work. PSC subcontracted Castle Analytical Laboratory (Castle) to perform the analytical testing services.

On March 8, 2005, West Star excavated and removed the diesel product piping. Following removal of the diesel piping, PSC collected one soil sample every 20 feet along the piping trench floor at a depth of approximately 4 feet below pavement surface. The trench soil samples were collected inside six-inch long brass sample cylinders using a backhoe bucket. Following collection, the brass cylinder ends were covered with Teflon tape and polyethylene caps. Soil samples were submitted to Castle for laboratory analysis. The BTEX compounds, fuel oxygenates [di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), methyl tertiary butyl ether (MTBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA)), and fuel additives (ethylene dibromide (EDB) and ethylene dichloride (EDC)] were not detected in the trench soil samples. Sample Trench-5 contained TPH-g at 48 mg/kg and TPH-d at 1,700 mg/kg. However, Castle noted that the hydrocarbons detected in the gasoline range appeared to be diesel. TPH-g and TPH-d were not detected in the other trench samples. The analytical data for the soil samples are presented in Table 1.

On March 9, 2005, West Star excavated and removed the diesel tank. Soil samples (Excavation-1 and Excavation-2) were collected from the northern and southern endwalls of the tank excavation at the soil-groundwater interface. Soil samples were collected inside clean six-inch long brass sample cylinders using a backhoe bucket. The samples were analyzed by Castle. TPH-g, TPH-d, BTEX, and the five fuel oxygenates were not detected in either soil sample.

One groundwater sample (Excavation Water) was collected from the excavation. The sample was analyzed by Castle. The groundwater sample contained TPH-g at 130 µg/L, TPH-d at 6,100 µg/L, and MTBE at 2.7 µg/L. However, the laboratory noted that the hydrocarbons detected in the gasoline range appeared to be diesel. The BTEX compounds, DIPE, ETBE, TAME, TBA, EDB, and EDC were not detected in the groundwater sample. The analytical data for the excavation water sample are presented in Table 2.

On April 15, 2005, PSC submitted the Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report to the Oakland Fire Department.

4.0 PROPOSED SCOPE OF SERVICES

The purpose of the proposed investigation is to evaluate the extent of petroleum hydrocarbons in soil and groundwater at the Site. The work plan includes drilling, soil and groundwater sampling, laboratory analysis of the samples, data evaluation, disposal of investigation-derived waste, and preparation of a written report. Specific tasks for this scope of services are described in the following sections.

4.1 DRILLING, SOIL SAMPLING, AND LABORATORY ANALYSIS

Based upon hydrogeologic information obtained from the Site and other sites in the vicinity, shallow groundwater flows to the southwest toward the San Francisco Bay. ETIC proposes to drill 23 soil borings around the former pump island, along a portion of the former diesel pipeline trench, and near the former diesel UST. The proposed drilling locations (E1 through E23) are shown on Figure 3. Soil and groundwater samples will be collected from the borings and analyzed to assess the extent of petroleum hydrocarbons.

Prior to beginning the field program, the proposed boring locations will be marked and checked for the presence of underground utilities by Underground Service Alert. A private utility-locating contractor will also be hired to check for the presence of underground utilities. A drilling permit will be obtained from Alameda County Public Works Agency. A health and safety plan will be prepared, and will be implemented during drilling and sampling activities. Each soil boring will be hand augured or vacuum-cleared to a depth of 4 feet to check for utilities prior to drilling.

Drilling will be performed by a C57-licensed contractor using a direct-push drilling rig equipped with a 2-inch diameter sampler and drive rods. All drilling equipment and sampling tools will be decontaminated prior to beginning the field program. Reusable sampling equipment will be washed with an Alconox solution, rinsed with tap water, and rinsed with distilled water prior to each use. An ETIC geologist will supervise drilling and sampling activities. Soil samples will be examined for lithologic identification and visible signs of contamination, and the observations will be recorded in the field log. Technical guidance for the program will be provided by a California Professional Geologist.

A field meter will be used to monitor for organic vapors. Measurements of headspace vapors from soil samples will be recorded. If any unusual stains or odors are evident in the soil, additional samples may be collected for laboratory analysis.

Soil samples will be collected for laboratory analysis from 18 borings, designated E1 through E11, E15 through E17, E19, E20, E22, and E23 (Figure 3), drilled around the former pump island and underground tank areas. Soil samples will be collected at depths of 4, 8, and 12 feet below ground surface from each boring, and select samples will be analyzed in accordance with the proposed plan presented in Table 3. Additional soil samples may be collected and held for subsequent analysis, pending the results of the initial samples. The samples will be collected in clean liners. The liners will be sealed, labeled, stored on ice in a cooler, and transported under chain-of-custody protocol to a state-certified analytical laboratory. The soil samples will be analyzed for diesel by EPA Method 8015M with a silica gel cleanup and BTEX and MTBE by EPA Method 8260B.

4.2 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS

Twenty-two of the soil borings, designated E1 through E6, and E8 through E23 (Figure 3), will be drilled into the first aquifer for the collection of groundwater samples (Table 4). The depth to groundwater is approximately 9 feet below ground surface, and the borings will be drilled to a depth of approximately 20 feet below grade. A groundwater sample will be collected from each boring using a clean, stainless steel or disposable bailer or peristaltic pump equipped with clean, disposable tubing. The samples will be collected in clean bottles supplied by the analytical laboratory. The sample containers will be sealed, labeled, stored on ice in a cooler, and transported under chain-of-custody protocol to a state-certified analytical laboratory. The groundwater samples will be analyzed for diesel by EPA Method 8015M with a silica gel cleanup and BTEX and MTBE by EPA Method 8260B.

All reusable groundwater sampling equipment will be washed with an Alconox solution, rinsed with tap water, and rinsed with distilled water prior to each use. The completed borings will be filled and sealed with a mixture of grout consisting of neat cement. Each filled boring will be covered with an asphalt patch or concrete to match the surrounding pavement.

4.3 DATA EVALUATION AND REPORTING

ETIC will prepare a written report describing the results of the investigation. The sampling locations will be illustrated on a map of the Site. Field procedures and laboratory methods will be described in the report. Technical data collected during the testing program will be tabulated and evaluated. The report will include a narrative summary of field and analytical data. The analytical data will be compared to regulatory standards. ETIC's conclusions regarding soil and groundwater quality will be presented in the report.

4.4 DISPOSAL OF INVESTIGATION-DERIVED WASTE

Soil and water derived from the subsurface investigation will be contained in DOT-approved drums. A composite soil sample and a water sample will be collected and submitted for laboratory analysis. The samples will be analyzed by a state-certified analytical laboratory for TPH-g by EPA Method 8260B, TPH-d and TPH-mo by EPA Method 8015M with a silica gel cleanup, BTEX and MTBE by EPA Method 8260B, and total lead by EPA Method 6010. Additional laboratory analysis may be required by the disposal facility. The analytical data will be evaluated to determine disposal options. The investigation-derived waste will be subsequently delivered to an approved disposal facility.

5.0 SCHEDULE

Drilling and sampling can be scheduled within two to three weeks after receiving approval of the work plan and drilling permit application. Analytical data will be available five to 10 working days after the samples are submitted to the laboratory. The written report will be completed within four weeks following receipt of the analytical results.

6.0 REFERENCES

Alameda County Health Care Services Agency, 2003. Notice of Responsibility, Record ID RO0002569, Sara Lee Bakery, 955 Kennedy Street, Oakland, CA 94606, August 19, 2003.

Burlington Environmental Inc., 1993. Soil and Groundwater Investigation Report, 955 Kennedy Street, Oakland, California, Burlington Environmental Project No. CTI106/412, January 5, 1993.

Burlington Environmental Inc., 1995. Fourth Quarter 1994 Groundwater Monitoring Report and Request for UST Case Closure, 955 Kennedy Street, Oakland, California, Burlington Environmental Project No. 121382/125971, January 19, 1995.

John Mathes & Associates, Inc., 1990. Draft Site Assessment Work Plan, 955 Kennedy Street, Oakland, California, John Mathes & Associates Project No. 121382/4002, February 1990.

John Mathes & Associates, Inc., 1991. Underground Storage Tank Closure and Installation Report, 955 Kennedy Street, Oakland, California, John Mathes & Associates Project No. 121382/5810, June 7, 1991.

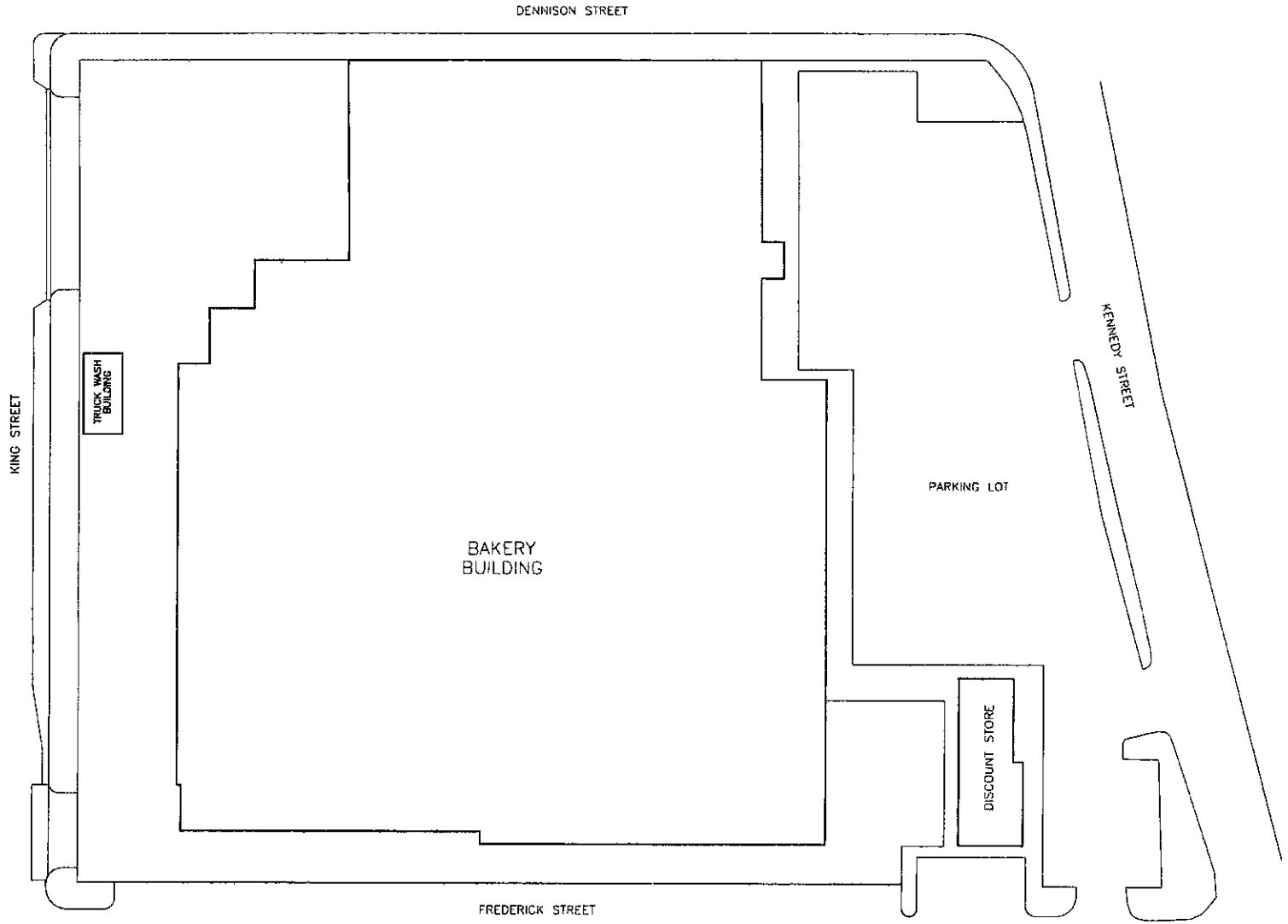
Philip Environmental Services Corporation, 1995a. Well Destruction Report, 955 Kennedy Street, Oakland, California, PSC Project No. CTI106/125971, July 7, 1995.

Philip Environmental Services Corporation, 1995b. Tier 1 Risk Assessment, 955 Kennedy Street, Oakland, California, PSC Project No. 121382/125971, July 25, 1995.

Philip Environmental Services Corporation, 1996. Notification of Well Abandonment, 955 Kennedy Street, Oakland, California, PSC Project No. CTI106/125971.7052, April 4, 1996.

Philip Environmental Services Corporation, 2005. UST System Closure Report for Earthgrains Baking Companies, Inc., 955 Kennedy Street, Oakland, California, PSC Project No. 62402797, April 15, 2005.

Figures



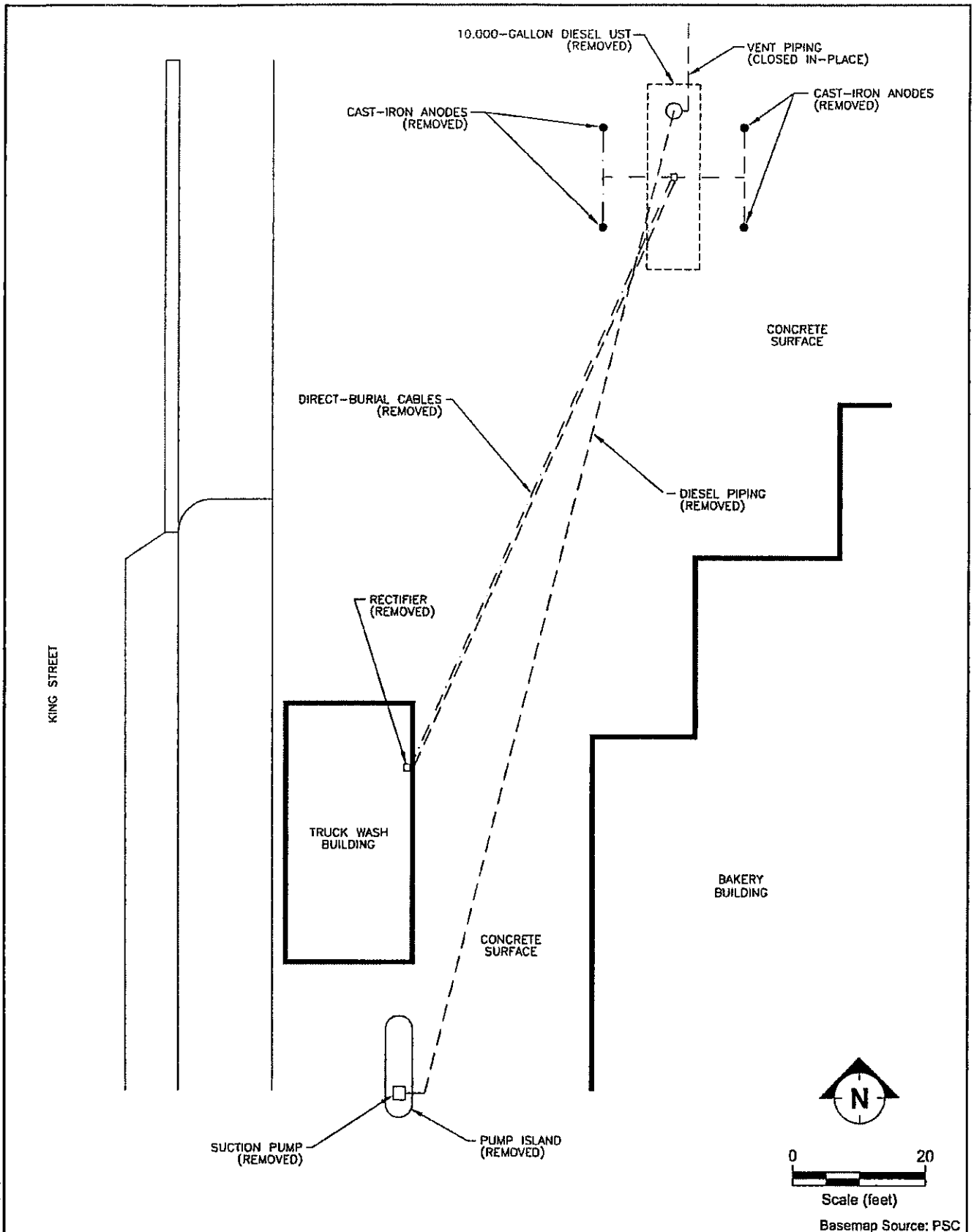
Basemap Source: PSC

ETIC ENGINEERING

SITE LOCATION MAP
EARTHGRAINS BAKING COMPANIES, INC.
955 KENNEDY STREET
OAKLAND, CALIFORNIA

FIGURE: 1

FILENAME: FIG0606.DWG 03/21/2006

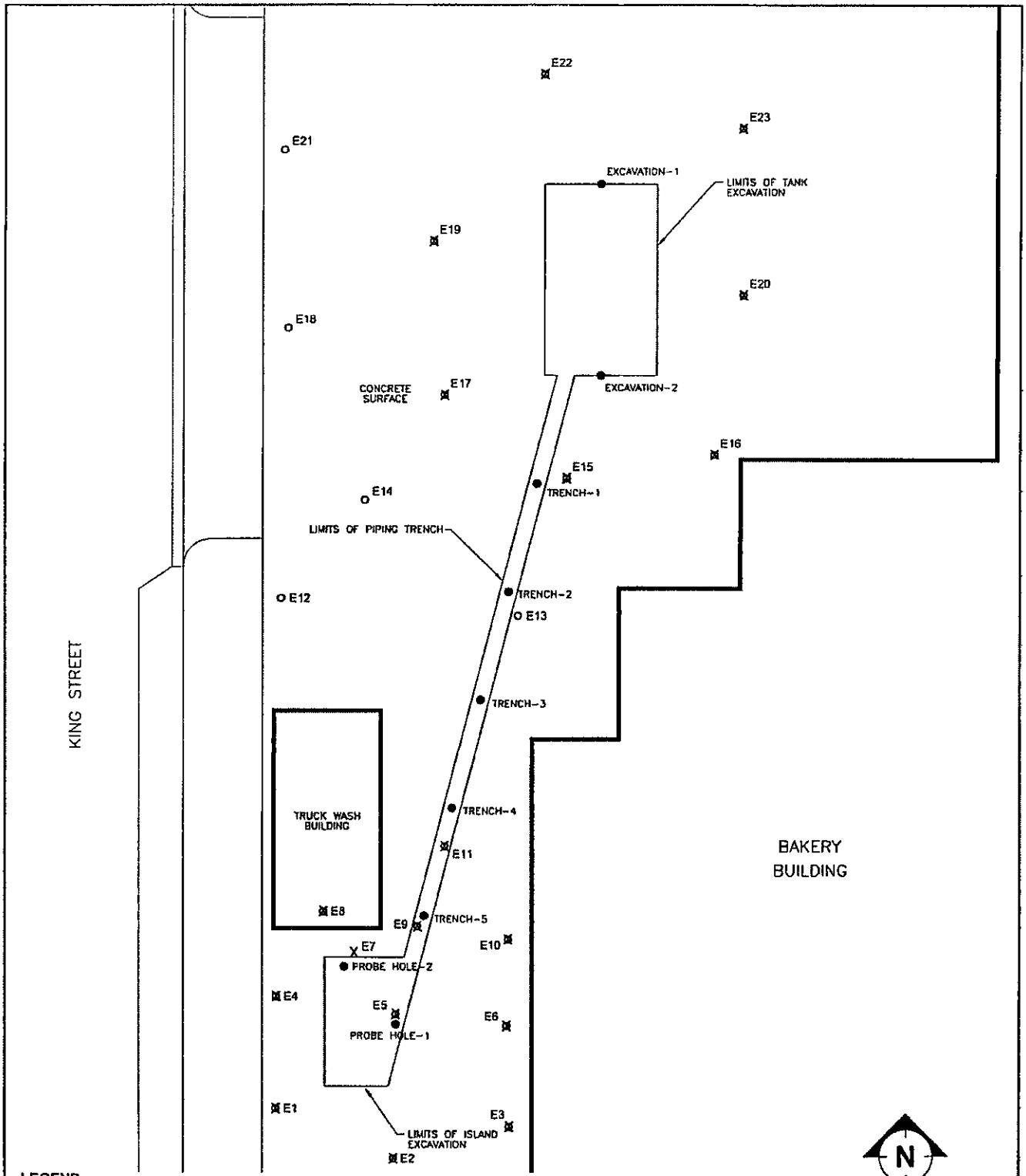


FILENAME: PROP0206.DWG 03/22/2006

ETIC ENGINEERING

SITE MAP SHOWING FORMER UST SYSTEM
EARTHGRAINS BAKING COMPANIES, INC.
955 KENNEDY STREET
OAKLAND, CALIFORNIA

FIGURE: **2**



LEGEND

- ● Previous Soil Sampling Location
- X Proposed Soil Sampling Location
- o Proposed Groundwater Sampling Location
- ⊠ Proposed Soil and Groundwater Sampling Location

Basemap Source: PSC

ETIC ENGINEERING

SITE MAP SHOWING PROPOSED SAMPLING LOCATIONS
EARTHGRAINS BAKING COMPANIES, INC
955 KENNEDY STREET
OAKLAND, CALIFORNIA

FIGURE: **3**

FILENAME: PROP0206.DWG 03/22/2006

Tables

TABLE 1. SOIL SAMPLE ANALYTICAL RESULTS
Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606

Sampling Location	Date	Concentration (mg/kg)													
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	DIPE	ETBE	MTBE	TAME	TBA	EDB	EDC
PROBE HOLE-1	4/9/03	<0.62	<0.62	<0.62	<0.62	NA	**3,300***	NA	NA	NA	NA	NA	NA	NA	NA
PROBE HOLE-2	4/9/03	NA	NA	NA	NA	NA	NA	<50	NA	NA	NA	NA	NA	NA	NA
TRENCH-1	3/8/05	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	NA	<0.010	<0.010	<0.010	<0.010	<0.80	<0.010	<0.010
TRENCH-2	3/8/05	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	NA	<0.010	<0.010	<0.010	<0.010	<0.80	<0.010	<0.010
TRENCH-3	3/8/05	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	NA	<0.010	<0.010	<0.010	<0.010	<0.80	<0.010	<0.010
TRENCH-4	3/8/05	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	NA	<0.010	<0.010	<0.010	<0.010	<0.80	<0.010	<0.010
TRENCH-5	3/8/05	<0.050	<0.050	<0.050	<0.050	**48†**	**1,700**	NA	<0.010	<0.010	<0.010	<0.010	<0.80	<0.010	<0.010
EXCAVATION-1	3/9/05	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	NA	<0.010	<0.010	<0.010	<0.010	<0.80	NA	NA
EXCAVATION-2	3/9/05	<0.0050	<0.0050	<0.0050	<0.0050	<1.0	<1.0	NA	<0.010	<0.010	<0.010	<0.010	<0.80	NA	NA

TPH-g	Total petroleum hydrocarbons quantified as gasoline.
TPH-d	Total petroleum hydrocarbons quantified as diesel.
TPH-mo	Total petroleum hydrocarbons quantified as motor oil.
DIPE	Di-isopropyl ether.
ETBE	Ethyl tertiary butyl ether.
MTBE	Methyl tertiary butyl ether.
TAME	Tertiary amyl methyl ether.
TBA	Tertiary butyl alcohol.
EDB	Ethylene dibromide (1,2-dibromoethane or 1,2-DBA).
EDC	Ethylene dichloride (1,2-dichloroethane or 1,2-DCA).
*	The pattern exhibited by the hydrocarbons detected did not match the laboratory's diesel standard.
†	The laboratory indicated a "non-gasoline pattern; appears to be diesel."
NA	Not analyzed.
mg/kg	Milligrams per kilogram.

TABLE 2. GROUNDWATER SAMPLE ANALYTICAL RESULTS
Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606

Sampling Location	Date	Concentration (µg/L)													
		Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	TPH-mo	DIPE	ETBE	MTBE	TAME	TBA	EDB	EDC
Excavation Water	3/8/05	<0.50	<0.50	<0.50	<0.50	**130***	**6,100**	NA	<0.50	<0.50	**2.7†**	<0.50	<20	<0.50	<0.50

TPH-g	Total petroleum hydrocarbons quantified as gasoline.
TPH-d	Total petroleum hydrocarbons quantified as diesel.
TPH-mo	Total petroleum hydrocarbons quantified as motor oil.
DIPE	Di-isopropyl ether.
ETBE	Ethyl tertiary butyl ether.
MTBE	Methyl tertiary butyl ether.
TAME	Tertiary amyl methyl ether.
TBA	Tertiary butyl alcohol.
EDB	Ethylene dibromide (1,2-dibromoethane or 1,2-DBA).
EDC	Ethylene dichloride (1,2-dichloroethane or 1,2-DCA).
*	The laboratory indicated a "non-gasoline pattern; appears to be diesel."
†	The concentration of MTBE in the sample was 2.7 µg/L when analyzed by EPA Method 8020 and 1.9 µg/L when analyzed by EPA Method 8260.
NA	Not analyzed.
µg/L	Micrograms per liter.

TABLE 3. PROPOSED SOIL SAMPLING AND ANALYSIS
Earthgrains Baking Companies, Inc.
955 Kennedy Street, Oakland, California 94606

Proposed Sampling Location	Depth (feet)	Diesel w/silica gel cleanup EPA Method 8015M	BTEX and MTBE EPA Method 8260B
E1	4	X	X
E1	8	X	X
E2	4	X	X
E2	8	X	X
E2	12	X	X
E3	4	X	X
E3	8	X	X
E4	4	X	X
E4	8	X	X
E5	8	X	X
E6	4	X	X
E6	8	X	X
E7	4	X	X
E7	8	X	X
E8	4	X	X
E8	8	X	X
E9	8	X	X
E10	4	X	X
E10	8	X	X
E11	4	X	X
E11	8	X	X
E15	8	X	X
E16	8	X	X
E17	8	X	X
E19	8	X	X
E20	8	X	X
E22	8	X	X
E23	8	X	X

TABLE 4. PROPOSED GROUNDWATER SAMPLING AND ANALYSIS
Earthgrains Baking Companies, Inc.
955 Kennedy Street, Oakland, California 94606

Proposed Sampling Location	Diesel w/silica gel cleanup EPA Method 8015M	BTEX and MTBE EPA Method 8260B
E1	X	X
E2	X	X
E3	X	X
E4	X	X
E5	X	X
E6	X	X
E7	NS	NS
E8	X	X
E9	X	X
E10	X	X
E11	X	X
E12	X	X
E13	X	X
E14	X	X
E15	X	X
E16	X	X
E17	X	X
E18	X	X
E19	X	X
E20	X	X
E21	X	X
E22	X	X
E23	X	X

NS Groundwater sampling not planned at location E7.

Appendix A

Regulatory Correspondence

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

Certified Mail # 7002 0510 0000 2178 5879
August 19, 2003

Notice of Responsibility

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

Record ID: RO0002569
Sara Lee Bakery
955 Kenedy Street
Oakland , CA 94606

SITE

Date First Reported 4/15/2003
Substance: Gasoline
Funding (Federal or State): F
Multiple RPs?: N

Theresa Lanctot
Sara Lee Bakery Group Inc
8500 Maryland Ave
St Louis MO 63105-3668

Responsible Party (RP)
Property Owner

Pursuant to sections 25297.1 and 25297.15 of the Health and Safety Code, you are hereby notified that the above site has been placed in the Local Oversight Program and the individual(s) or entity(ies) shown above, or on the attached list, has (have) been identified as the party(ies) responsible for investigation and cleanup of the above site. Section 25297.15 further requires the primary or active Responsible Party to notify all current record owners of fee title before the local agency considers cleanup or site closure proposals or issues a closure letter. For purposes of implementing section 25297.15, this agency has identified Sara Lee Bakery Group Inc. as the primary or active Responsible Party. It is the responsibility of the primary or active Responsible Party to submit a letter to this agency within 20 calendar days of receipt of this notice which identifies all current record owners of fee title. It is also the responsibility of the primary or active Responsible Party to certify to the local agency that the required notifications have been made at the time a cleanup or site closure proposal is made or before the local agency makes a determination that no further action is required. If property ownership changes in the future, you must notify this local agency within 20 calendar days from when you are informed of the change.

Any action or inaction by this local agency associated with corrective action, including responsible party identification, is subject to petition to the State Water Resources Control Board. Petitions must be filed within 30 days from the date of the action/ inaction. To obtain petition procedures, please FAX your request to the State Water Board at (916) 227-4349 or telephone (916) 227-4408.

Pursuant to section 25299.37(c) (7) of the Health and Safety Code, a responsible party may request the designation of an administering agency when required to conduct corrective action. Please contact Amir Gholami, Hazardous Materials Specialist at this office at (510) 567-6700 for further information about the site designation process.

Date: 8/20/03

Please Circle One (Add) Delete Change

Reason: NEW CASE

Ariu Levi, Chief
Contract Project Director

cc: Luanne Rolland, SWRCB
Amir K. Gholami, Hazardous Materials Specialist