CO-1477

CAMBRIA

December 3, 2002

Ms. Eva Chu
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Temporary Well Installation Work Plan**
1350 Powell Street
Emeryville, California

Dear Ms. Chu:

On behalf of the Balaam Brothers Partnership, Cambria Environmental Technology, Inc. (Cambria) is pleased to provide this *Temporary Well Installation Work Plan* (Work Plan) for the above-referenced site (Site). This Work Plan was requested by the Alameda County County Department of Environmental Health (DEH) to assess groundwater conditions after completion of excavation activities specified in Cambria's approved *Corrective Action Plan* dated July 3, 2002. Described below are the site background, proposed temporary well installation activities, and the proposed schedule.

SITE BACKGROUND

The site is located near the northeast corner of the intersection of Powell Street and Hollis Street in Emeryville, California. The Site background was described in Cambria's Corrective Action Plan. In summary, the Site has been impacted by petroleum hydrocarbons from two former underground storage tanks (USTs) and four former aboveground storage tanks (ASTs). The USTs were removed in 1987.

Excavation of hydrocarbon-impacted soil began in July 2002 and was completed in November 2002. Prior to excavation, the extent of chemicals of concern in Site soil and groundwater had been significantly characterized by 28 borings and 6 test pits. Temporary groundwater monitoring and piezometric wells were installed by R.T. Hicks in September 2001. In July 2002, Cambria sampled groundwater from accessible temporary wells installed by Hicks. The primary chemicals of concern (COCs) at the Site are petroleum hydrocarbons: total petroleum hydrocarbons (TPH) as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo); and benzene, toluene, ethylbenzene, and xylenes (BTEX). Napthalene is also COC.

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Site excavation involved the removal of approximately 15,000 tons of impacted soil. The extent and depth of excavation activities and excavation sampling results are presented in Attachment A. Most of the Site was excavated to approximately 10 feet below grade (fbg), with some excavation extending to 13 fbg to target impacted soil based on field observations. Analytical results from confirmation sampling indicate that Cambria excavated all Site soil exceeding the cleanup level of 1,000 mg/kg combined total petroleum hydrocarbons (TPH) to a maximum depth of 10 fbg. The extent of petroleum hydrocarbons in soil and groundwater is summarized in information in Attachment A.

Soil beyond the excavation of impacted soil was regraded into the deeper excavation areas and replaced with imported fill. All Site soil at 3 fbg or shallower has been replaced with clean imported fill, except soil beneath the small existing building at the southwest corner that will be replaced upon future building demolition.

Groundwater was not encountered during the excavation activities, except for a limited volume (approximately 2,000 gallons) of presumably perched groundwater. The groundwater was encountered south of the former UST (near boring EB-12), north of the dock (near EB-10), and the northern edge of the excavation (near boring 1). The encountered water was offhauled with the exported soil.

The Site subsurface predominantly consists of clean, imported fill underlain by native material. The clean, imported fill placed in the excavation up to approximatley 5 fbg has a very high clay content. The native material consists of clay with some interbedded silt and sand. Historic site information suggests that the perched water zone has been excavated, and that groundwater is likely present at approximately 15 to 20 fbg.

Lowney Associates is preparing a groundwater sampling plan for the adjacent 1300 Powell Street site. A detailed description of the background and previous environmental reports for both 1300 and 1350 Powell Street sites is presented in the *Soil and Ground Water Quality Evaluation* dated May 22, 2002, by Lowney Associates of Oakland, California. Cambria understands that the previous environmental reports referenced in the May 22, 2002 report and that report itself have been submitted and reviewed by the DEH.

TEMPORARY WELL INSTALLATION ACTIVITIES

To assess groundwater quality after the significant excavation activities, Cambria proposes the installation of eight temporary monitoring wells at the Site.

Proposed Temporary Well Locations: The eight proposed well locations are presented in Figure 1. The proposed well locations target the primary areas of concern from prior Site groundwater sampling, and provide lateral assessment of the Site. Proposed temporary well TW-1 is located near the former USTs. Four temporary wells are located near former borings that encountered free product and/or sheen: TW-2 is south of the former USTs and near boring EB-12; TW-4 is west of the former USTs and near former temporary 'well' 4A/B/C; TW-6 is south of the former ASTs/piping and near boring EB-9; and TW-7 is north of the dock near boring EB-10. Temporary well TW-3, TW-5 and TW-8 will provide lateral assessment of groundwater quality at the Site.

Permits: Well installation permits will be obtained from the Alameda County Public Works Agency.

Boring Clearance: Cambria will mark the Site boundary and contact Underground Service Alert prior to drilling.

Site Health and Safety Plan: A comprehensive site health and safety plan will be prepared for well installation activities. The plan will be kept onsite during field activities and signed by each site worker.

Drilling Methods: The temporary wells will be installed using direct-push Geoprobe rig. The soil borings will be advanced to approximately 20 fbg. Soil beneath the excavation limit will be logged continuously. Cambria will carefully monitor for the depth of first encountered groundwater, and for static groundwater depth. Soil samples will not be collected for laboratory analysis.

Temporary Well Installation: The eight borings will be converted into 3/4-inch diameter temporary monitoring wells. The temporary wells will be screened into a minimum of approximately 5 feet of groundwater. Cambria anticipates encountering static groundwater between 15 and 20 fbg, and installing 10 feet of PVC well screen. The actual well depth and screen interval will be based on field conditions. The wells will be either pre-packed Geoprobe wells or constructed with 0.010-inch machined slot screen and #2/12 sand in the field. A bentonite seal and grout to surface will be provided.

Water Development and Sampling: Following the installation, the new wells will be developed by surging, swabbing, and purging with a bailer or pump. After well development, groundwater samples will be collected using bailers, a pump or a tube and check valve.

Chemical Analyses: Groundwater samples from each temporary well will be analyzed for:

- Total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethylbenzene, xylenes (BTEX) by EPA Method 8015/8020;
- TPH as diesel (TPHd) and TPH as motor oil (TPHmo) by modified EPA Method 8015 with silica gel cleanup; and
- Polynuclear aromatic hydrocarbons (PNAs) by EPA Method 8270.

To facilitate calculation of total TPH without overlapping carbon ranges, the samples will also be analyzed for TPH as bunker oil with silica gel cleanup be EPA Method 8015. The total TPH concentration will be considered the sum of TPHg (C6-C9) and TPHbo (C10+).

Well Abandonment: The eight temporary wells will be abandoned approximately one week after installation. The well abandonment procedures will include removal of all well materials and backfilling with bentonite-cement grout to the surface.

SCHEDULE

Cambria plans to commence temporary well installation tomorrow, December 4, 2002. This fast schedule is required to complete well installation and sampling before the anticipated rain this Friday, December 6, 2002. The fast schedule will also facilitate report submittal and review before the holiday season. The Balaam Brothers respectfully request that the DEH expedite report review and issuance of a No Further Remedial Action letter by December 31, 2002.

CLOSING

If you have any questions concerning this report, please feel free to call me at (510) 420-3303.

Sincerely,
Cambria Environmental Technology, Inc.

Bob Clark-Riddell, P.E.
Principal Engineer

Attachments: A – Historical Soil and Groundwater Information; Excavation Figures/ Tables

H:\Balaam Brothers (Airgas)\Well Installation\Temp Well Workplan.doc

12/02/02

EXPLANATION

- TW-1 Proposed temporary well* location

* Pre-packed Geoprobe well screen, to be screened from approximately 10 to 20 feet below grade

POWELL STREET

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0 20 40 80

Scale (ft)

FIGURE

1

Proposed Temporary Well Locations

Balaam Property

1350 Powell Street

Emeryville, California

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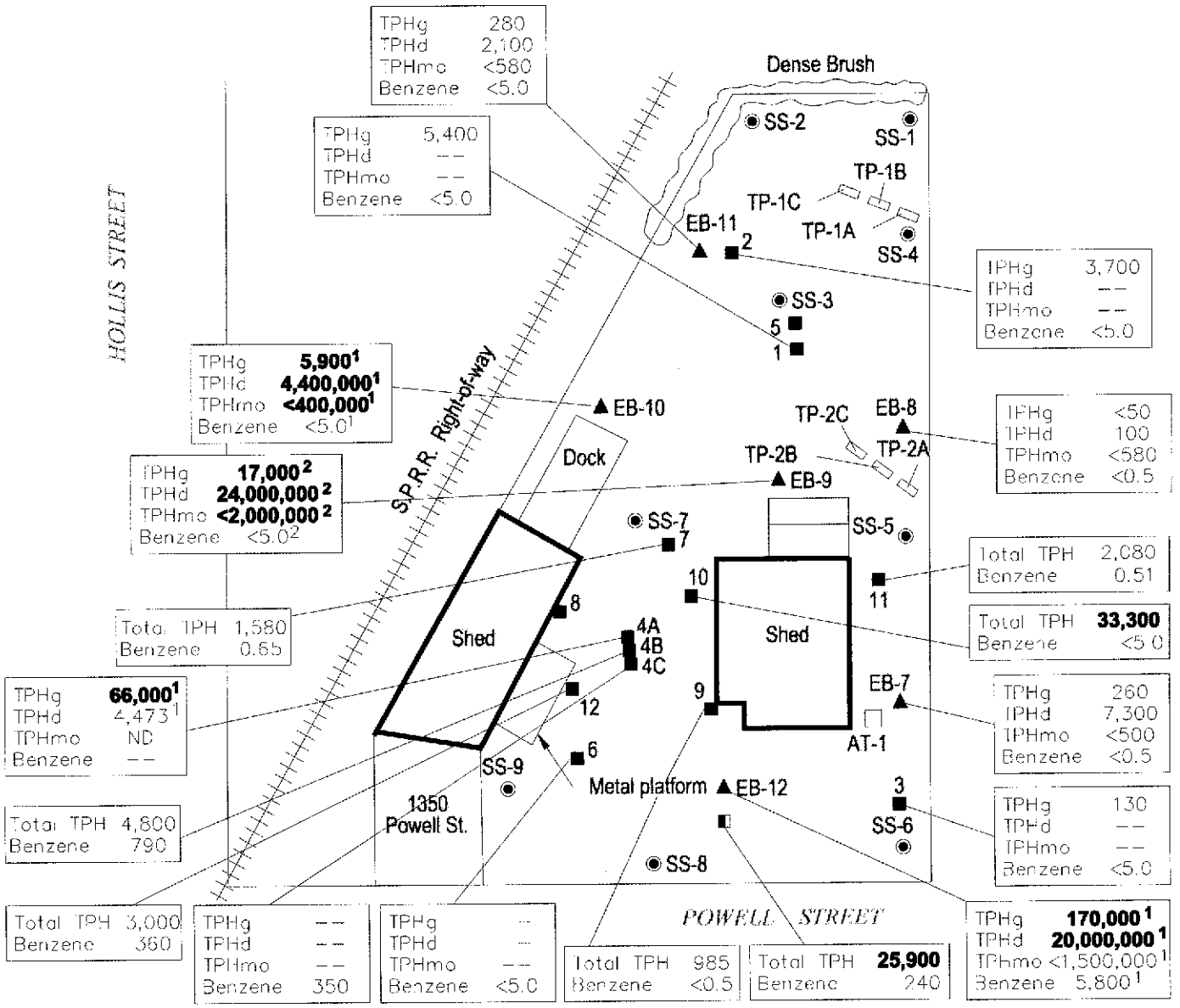
I:\BALAAM BROTHERS\FIGURES\CAMBRIA\TEMP-WELL.DWG



EXPLANATION

- ■ - Approximate location of excavation grab sample (Cambria 8/2/02)
- **EB-11** ▲ - Approximate location of exploratory ground water boring (Lowney 3/5/02)
- **SS-9** ◉ - Approximate location of exploratory soil boring (Lowney)
- **12** ■ - Approximate location of exploratory boring (R.T. Hicks, 8/01 & 9/01; Cambria 7/24/02)
- **TP-1A** ▭ - Approximate location of exploratory test pit (Lowney)
- **NA** - Not Analyzed
- -- - Not detected at or above the stated laboratory limit

Concentrations in parts per billion (ppb)

Concentrations exceeding cleanup goal of <20,000 ppb total TPH is shown in **BOLD**

1 Free product observed on groundwater

2 Fuel sheen observed on groundwater

N

0 25 50

Approx. Scale (ft)

FIGURE **4**

H:\BALAAM\FIGURES\GWCONC.DWG

Base by Lowney Associates dated 5/02.

Balaam Property

1350 Powell Street

Emeryville, California

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TPHg, TPHd, TPHmo, and Benzene in Ground Water

EXPLANATION

Depth	TPHg	TPHd	TPHmo	Total*

Concentrations in soil are in parts per million (ppm)
Concentrations exceeding 1,000 ppm total TPH are shown in **bold**

- ▪ - Approximate location of excavation sidewall sample (Cambria, 2002)
- ◧ - Approximate location of excavation bottom sample (Cambria, 2002)
- ◕ - Approximate location of deeper soil boring (Lowney Associates, 2002)
- ◉ - Approximate location of shallow soil boring (Lowney Associates, 2002)
- ○ - Approximate location of exploratory boring (R.T. Hicks, 2001)

Excavation boundary

2' depth range

10' depth range

6' depth range

13' depth range

* - Total TPH does not equal cumulative result of TPHg + TPHd + TPHmo. To avoid quantification of overlapping results, Total TPH = TPHg (C6-C9) + TPHbo (C10+) for soil and sidewall samples during excavation in 2002 (TPHbo = TPH bunker oil). Concentrations below detection limits are added as 1/2 the detection limit.

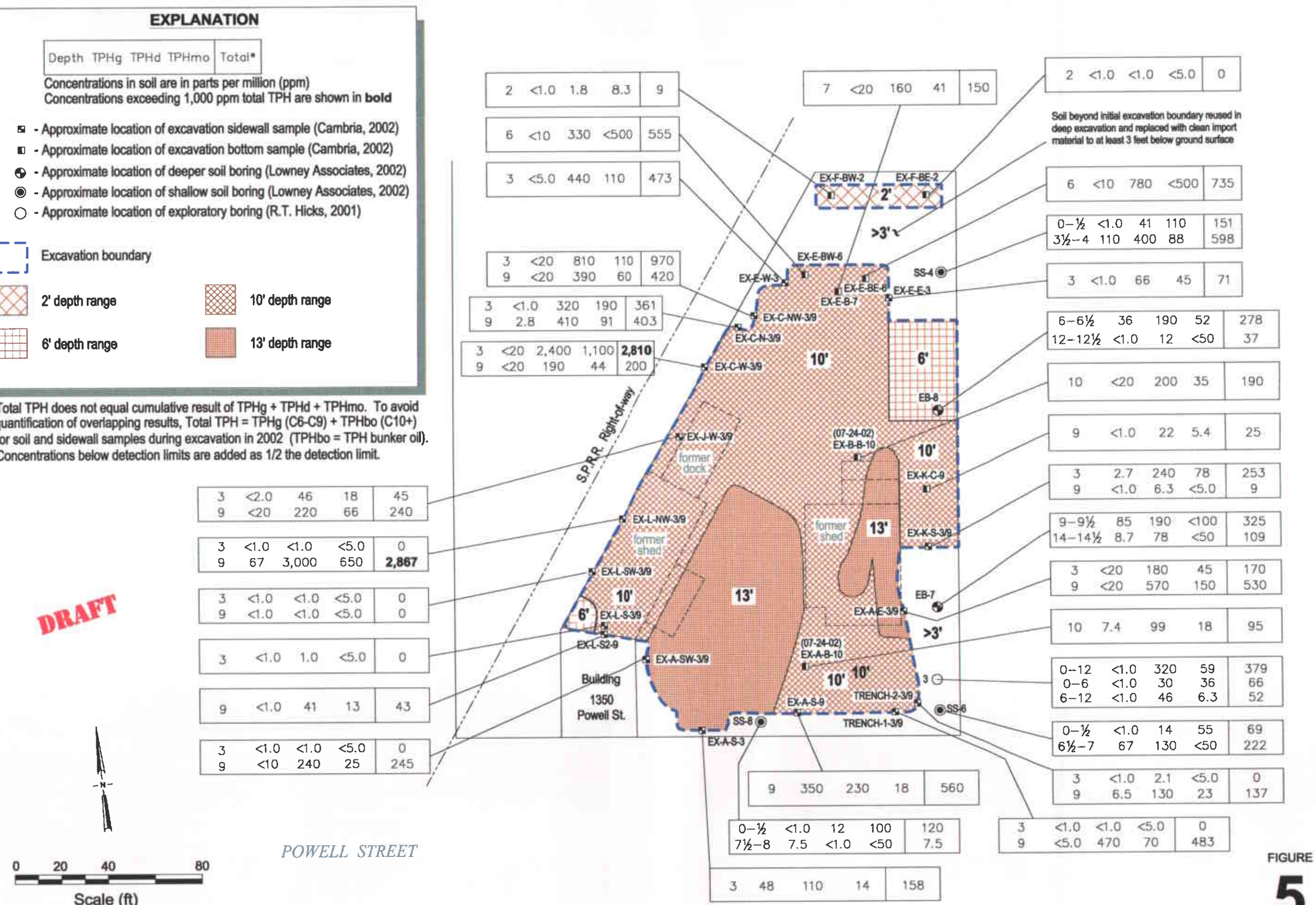

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FIGURE **5**

Excavation Extents and Confirmation Soil Analytical Results

Balaam Property
1350 Powell Street
Emeryville, California

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I:\BALAAM BROTHERS\FIGURES\CAMBRIA\SAMPLES-101003_12-2.DWG

EXPLANATION

Depth	TPHg	TPHd	TPHmo	Total*

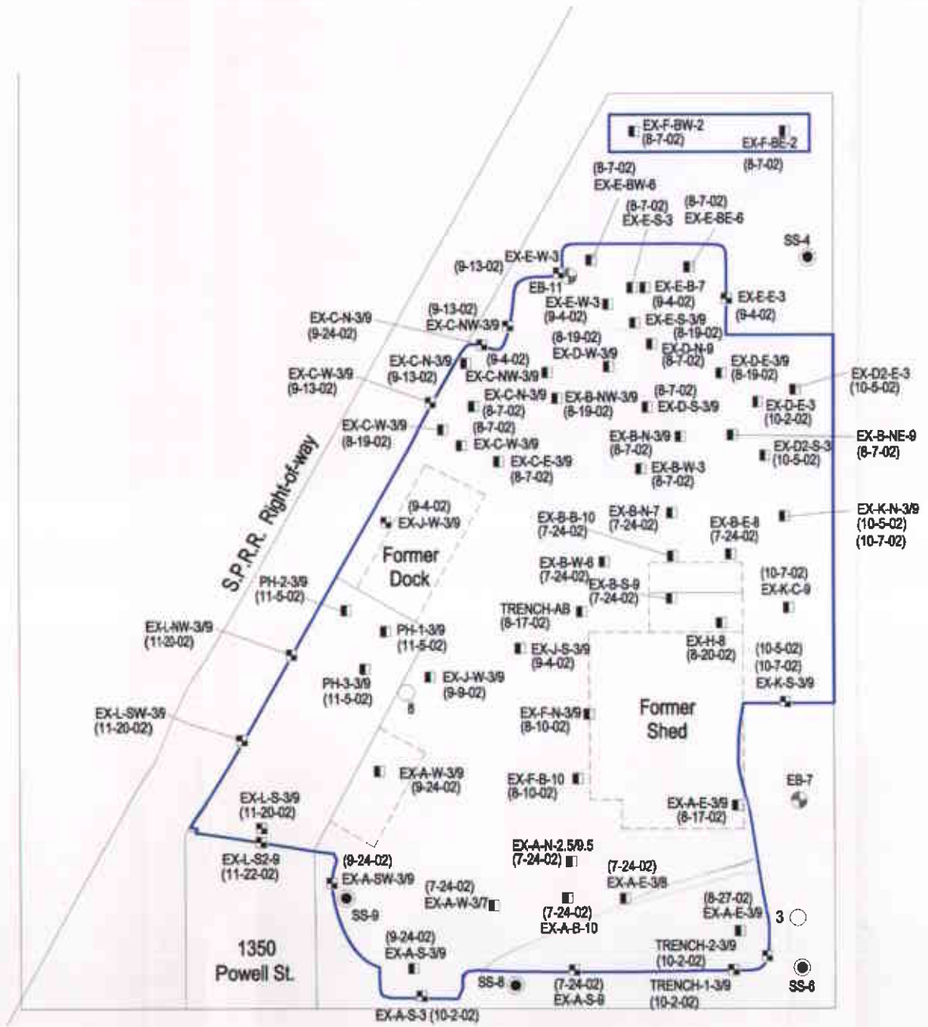
- - Approximate location of sidewall sample (Cambria, 2002)
- - Approximate location of soil sample (Cambria, 2002)
- - Approximate location of deeper soil boring (Lowney Associates, 2002)
- - Approximate location of shallow soil boring (Lowney Associates, 2002)
- - Approximate location of exploratory boring (R.T. Hicks, 2001)
- - Approximate location of exploratory test pit (Lowney Associates, 2002)
- - - Not Analyzed

ND - Not detected at or above laboratory reporting limit

Concentrations in parts per million (ppm)

Concentrations exceeding 1,000 ppm total TPH are shown in **bold**

* - Total TPH does not equal cumulative result of TPHg + TPHd + TPHmo. To avoid quantification of overlapping results, Total TPH = TPHg (C6-C9) + TPHbo (C10+) for soil and sidewall samples during excavation in 2002 (TPHbo = TPH bunker oil). Concentrations below detection limits are added as 1/2 the detection limit.



POWELL STREET

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0 20 40 80

Scale (ft)

I:\BALAAM BROTHERS\FIGURES\CAMBRIA\SOILSAMPLES_12-2.DWG

Soil Sample Locations

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Balaam Property
1350 Powell Street
Emeryville, California

FIGURE
6

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Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**
		Residential RBSL*:	**400**	**500**	**500**	**NE**	**NE**	**0.18**	**8.4**	**24**	**1.0**	**1.0**
Hicks Borings, 2001												
Borehole #1	Composite 0'-2.5'	8/7/01	ND	78	99	--	--	ND	ND	ND	ND	ND
Borehole #1	Composite 4'-12'	8/7/01	750	1400	55	--	--	ND	ND	ND	ND	ND
Borehole #2	Composite 0'-6'	8/7/01	45	2200	200	--	--	ND	ND	ND	ND	ND
Borehole #2	Composite 6'-12'	8/7/01	8.3	500	29	--	--	ND	ND	ND	ND	ND
Borehole #3	Composite 0'-6'	8/7/01	ND	30	36	--	--	ND	ND	ND	ND	ND
Borehole #3	Composite 6'-12'	8/7/01	ND	46	6.3	--	--	ND	ND	ND	ND	ND
Borehole #4	Composite 0'-6'	8/7/01	230	1600	ND	--	--	ND	ND	0.32	0.97	ND
Borehole #4	Composite 6'-12'	8/7/01	250	1600	ND	--	--	ND	ND	0.14	ND	ND
Borehole #5	Composite 0'-6'	8/7/01	67	4300	220	--	--	ND	ND	ND	ND	ND
Borehole #5	Composite 6'-12'	8/7/01	17	2400	110	--	--	ND	ND	ND	ND	ND
Borehole #6	Composite 11.5'-13'	9/27/01	--	ND	--	--	--	ND	ND	ND	ND	ND
Borehole #6	Composite 12'-16'	9/27/01	--	21	--	--	--	ND	ND	ND	ND	ND
Borehole #6	Composite 4'-10'	9/27/01	--	970	--	--	--	ND	ND	ND	ND	ND
Borehole #8	Composite 0'-5'	9/27/01	--	13	--	--	--	ND	ND	ND	ND	ND
Borehole #8	Composite 5.25'-7'	9/27/01	--	2800	--	--	--	ND	ND	ND	ND	ND
Borehole #9	Composite 7'-13'	9/27/01	--	210	--	--	--	ND	ND	ND	ND	ND
Borehole #10	Composite 0'-10'	9/27/01	--	170	--	--	--	ND	ND	ND	ND	ND
Borehole #12	Composite 9'-10'	9/27/01	--	16	--	--	--	ND	ND	ND	ND	ND
Lowney Associates Borings, 2002												
SS-1 (fill)	0'-0.5'	3/6/01	<1.0	**2,400**	**3,100**	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-1 (native)	3.5'-4'	3/6/01	110	94	<50	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
SS-2 (fill)	0'-0.5'	3/6/01	<1.0	100	**960**	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-2 (native)	5'-5.5'	3/6/01	26	150	<50	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
SS-3 (fill)	0'-0.5'	3/6/01	<1.0	34	<50	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-3 (native)	3.5'-4'	3/6/01	210	**790**	<500	--	--	<6.2	<6.2	<6.2	<6.2	<6.2
SS-4 (fill)	0'-0.5'	3/6/01	<1.0	41	110	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-4 (native)	3.5'-4'	3/6/01	110	400	88	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
SS-5 (fill)	0'-0.5'	3/6/01	<1.0	**960**	**1,900**	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-5 (native)	7'-7.5'	3/6/01	210	**700**	<250	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
SS-6 (fill)	0'-0.5'	3/6/01	<1.0	14	55	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-6 (native)	6.5'-7'	3/6/01	67	130	<50	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
SS-7 (fill)	0'-0.5'	3/6/01	<1.0	4.3	<50	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-7 (native)	6'-6.5'	3/6/01	260	440	<50	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
SS-8 (fill)	0'-0.5'	3/6/01	<1.0	12	100	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-8 (native)	7.5'-8'	3/6/01	7.5	<1.0	<50	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-9 (fill)	0'-0.5'	3/6/01	<1.0	5.4	83	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
SS-9 (native)	4.5'-5'	3/6/01	110	120	<500	--	--	<0.62	<0.62	<0.62	<0.62	<0.62

Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**
		Residential RBSL*:	**400**	**500**	**500**	**NE**	**NE**	**0.18**	**8.4**	**24**	**1.0**	**1.0**
Lowney Associates Borings, 2002												
EB-7	9'-9.5'	3/4/02	85	190	<100	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
EB-7	14'-14.5'	3/4/02	8.7	78	<50	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
EB-8	6'-6.5'	3/4/02	36	190	52	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
EB-8	12'-12.5'	3/4/02	<1.0	12	<50	--	--	<0.005	<0.005	<0.005	<0.005	<0.005
EB-9	7.5'-8'	3/5/02	260	**560**	<250	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
EB-9	14'-14.5'	3/5/02	100	140	<100	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
EB-10	6'-6.5'	3/5/02	380	**1,100**	<500	--	--	<3.1	<3.1	<3.1	<3.1	<3.1
EB-10	9'-9.5'	3/5/02	150	350	<500	--	--	<0.023	<0.023	<0.023	<0.023	<0.023
EB-11	6'-6.5'	3/5/02	160	**820**	<500	--	--	<0.62	<0.62	<0.62	<0.62	<0.62
EB-11	9'-9.5'	3/5/02	130	330	<250	--	--	<0.62	<0.62	<0.62	0.92	<0.62
EB-12	6'-6.5'	3/5/02	**980**	110	<500	--	--	**3.4**	**15**	9.5	**43**	<2.5
EB-12	8'-8.5'	3/5/02	**760**	**890**	<500	--	--	**12**	5.4	7.1	**5.7**	<3.1
Lowney Associates Test Pits, 2002												
TP-2B	1.5'	3/8/02	--	**1,800**	<1000	--	--	--	--	--	--	--
Sidewall Sampling Event I												
North Side of Property												
EX-B-W-6	6'-7'	7/24/02	<200	**4,600**	**1,900**	5,000	**5,100**	<1	<1	<1	<1	<10
EX-B-N-7	7'-8'	7/24/02	<200	**9,600**	**2,800**	10,000	**10,100**	<1	<1	<1	<1	<10
EX-B-B-8	8'-9'	7/24/02	<100	**1,900**	**500**	1,700	**1,750**	<0.5	<0.5	<0.5	<0.5	<5.0
EX-B-S-9	9'-10'	7/24/02	<200	**12,000**	**2,300**	11,000	**11,100**	<1	<1	<1	<1	<10
EX-B-B-10	10'-10.5'	7/24/02	<20	200	35	180	190	<0.1	<0.1	<0.1	<0.1	<1
South Side of Property												
EX-A-W-3	3'-4'	7/24/02	**900**	330	25	300	**1,200**	**19**	**89**	**29**	**130**	<10
EX-A-W-7	7'-8'	7/24/02	**460**	**3,300**	**520**	3,800	**4,260**	**21**	3.6	12	**14**	<10
EX-A-N-2.5	2.5'-3.5'	7/24/02	67	200	13	180	247	**2.5**	0.26	0.39	0.37	<0.5
EX-A-N-9.5	9.5'-10'	7/24/02	**2,100**	**2,700**	<500	2,300	**4,400**	**36**	**24**	**85**	**350**	<10
EX-A-B-10	10'-10.5'	7/24/02	7.4	99	18	88	95	**0.47**	0.027	0.038	0.13	<0.2
EX-A-B-3	3'-4'	7/24/02	67	170	28	150	217	**1.4**	0.34	0.043	0.12	<0.2
EX-A-B-8	8'-9'	7/24/02	240	**7,100**	**900**	6,900	**7,140**	**6.2**	1.5	1.4	**2.7**	<10
EX-A-S-9	9'-10'	7/24/02	350	230	18	210	560	**2.0**	0.30	3.4	**2.1**	<2.0

Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**
		Residential RBSL*:	**400**	**500**	**500**	**NE**	**NE**	**0.18**	**8.4**	**24**	**1.0**	**1.0**
Sidewall Sampling Event II												
North Side of Property												
EX-B-NE-9	9'-10'	8/7/02	<5.0	340	130	370	373	--	--	--	--	--
EX-B-W-9	9'-10'	8/7/02	<100	**3,800**	**640**	3,900	**3,950**	--	--	--	--	--
EX-B-N-9	9'-10'	8/7/02	<100	**7,100**	**1,300**	7,100	**7,150**	--	--	--	--	--
EX-B-N-3	3'-4'	8/7/02	<1.0	17	16	24	25	--	--	--	--	--
EX-C-E-9	9'-10'	8/7/02	<100	**3,200**	**820**	3,200	**3,250**	--	--	--	--	--
EX-C-E-3	3'-4'	8/7/02	19	390	100	360	379	--	--	--	--	--
EX-C-N-9	9'-10'	8/7/02	16	**1,600**	<500	1,700	**1,716**	--	--	--	--	--
EX-C-N-3	3'-4'	8/7/02	<10	**510**	140	470	475	--	--	--	--	--
EX-C-W-9	9'-10'	8/7/02	39	**2,600**	**570**	2,800	**2,839**	--	--	--	--	--
EX-C-W-3	3'-4'	8/7/02	<40	**920**	250	850	870	--	--	--	--	--
EX-D-S-9	9'-10'	8/7/02	<100	**4,200**	**810**	4,200	**4,250**	--	--	--	--	--
EX-D-S-3	3'-4'	8/7/02	<10	340	72	300	305	--	--	--	--	--
EX-D-N-9	9'-10'	8/7/02	<10	300	95	320	325	--	--	--	--	--
EX-E-BW-6	6'-6.5'	8/7/02	<10	330	<500	550	555	--	--	--	--	--
EX-E-BE-6	6'-6.5'	8/7/02	<10	**780**	<500	730	735	--	--	--	--	--
EX-E-S-3	3'-4'	8/7/02	<100	**12,000**	**2,600**	11,000	**11,050**	--	--	--	--	--
EX-F-BE-2	2'-3'	8/7/02	<1.0	<1.0	<5.0	<5.0	0	--	--	--	--	--
EX-F-BW-2	2'-3'	8/7/02	<1.0	1.8	8.3	8.1	9	--	--	--	--	--
Sidewall Sampling Event III												
South Side of Property												
EX-F-N-3	3'-4'	8/10/02	<20	**1,300**	220	1,200	**1,210**	<0.1	<0.1	<0.1	<0.1	<1
EX-F-N-9	9'-10'	8/10/02	15	**1,000**	180	1,100	**1,115**	<0.05	0.052	0.065	<0.05	<0.5
EX-F-B-10	10'-10.5'	8/10/02	11	**1,500**	400	1,300	**1,311**	<0.05	<0.05	<0.05	<0.05	<0.5
Note: EX-F is really an extension of EX-A in this case												
Sidewall Sampling Event IV												
North Side of Property												
EX-C-W-9	9'-9.5'	8/19/02	58	1,900	430	2,000	**2,058**	<0.1	<0.1	0.30	<0.05	<1
EX-C-W-3	3'-4'	8/19/02	47	2,600	540	2,300	**2,347**	<0.1	<0.1	0.21	<0.05	<1
EX-B-S-3	3'-4'	8/19/02	<20	3,500	640	3,700	**3,710**	<0.1	<0.2	<0.1	<0.05	<1
EX-D-W-9	9'-9.5'	8/19/02	<20	420	140	450	460	<0.1	<0.1	<0.1	<0.05	<1
EX-D-W-3	3'-4'	8/19/02	12	270	62	240	252	<0.05	<0.05	0.056	<0.02	<0.5
EX-B-NW-9	9'-9.5'	8/19/02	11	1,000	<500	1,600	**1,611**	<0.05	<0.1	<0.05	<0.02	<0.5
EX-B-NW-3	3'-4'	8/19/02	<20	4,900	970	4,900	**4,910**	<0.1	<0.1	<0.1	<0.05	<1
EX-D-E-9	9'-9.5'	8/19/02	<20	650	160	590	600	<0.1	<0.1	<0.1	<0.05	<1
EX-D-E-3	3'-4'	8/19/02	21	3,100	840	3,100	**3,121**	<0.1	<0.1	<0.1	<0.05	<1
TRENCHAB	0'-7'	8/17/02	25	**2,500**	**560**	2,900	**2,925**	<0.1	<0.1	0.21	<0.05	<1
EX-H-8	8'-9'	8/20/02	61	**1,600**	**550**	2,000	**2,061**	--	--	--	--	--

Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	8015m	8015	8015	8015		8021	8021	8021	8021	8021
		Residential RBSL*:	400	500	500	NE	NE	0.18	8.4	24	1.0	1.0
South Side of Property												
EX-A-E-9	9'-9.5'	8/17/02	<20	570	150	520	530	<0.1	<0.2	<0.1	<0.05	<1
EX-A-E-3	3'-4'	8/17/02	<20	180	45	160	170	<0.1	<0.2	<0.1	<0.05	<1
Sidewall Sampling Event V												
South Side of Property												
EX-A-E-9	9'-9.5'	8/27/02	16	570	120	560	576	<0.02	<0.02	0.16	0.33	<0.2
EX-A-E-3	3'-4'	8/27/02	53	2,300	650	2,600	2,653	<0.05	<0.05	0.40	0.57	<0.5
Sidewall Sampling Event VI												
North Side of Property												
EX-B-B-7	7'-7.5'	9/4/02	<20	160	41	140	150	--	--	--	--	--
EX-B-W-3	3'-3.5'	9/4/02	<50	1,100	410	1,100	1,125	--	--	--	--	--
EX-E-E-3	3'-3.5'	9/4/02	<1.0	66	45	70	71	--	--	--	--	--
EX-D-NW-9	9'-9.5'	9/4/02	<50	620	120	560	585	--	--	--	--	--
EX-D-NW-3	3'-3.5'	9/4/02	<50	150	30	140	165	--	--	--	--	--
EX-J-W-3	3'-3.5'	9/4/02	<2.0	46	18	44	45	--	--	--	--	--
EX-J-W-9	9'-9.5'	9/4/02	<20	220	66	230	240	--	--	--	--	--
EX-J-S-9	9'-9.5'	9/4/02	26	1,700	520	1,600	1,626	--	--	--	--	--
EX-J-S-3	3'-3.5'	9/4/02	6.3	290	97	310	316	--	--	--	--	--
Sidewall Sampling Event VI												
North Side of Property												
EX-J-W-3	3'-3.5'	9/9/02	16	240	41	240	256	--	--	--	--	--
EX-J-W-9	9'-9.5'	9/9/02	160	4,900	<5,000	6,400	6,560	--	--	--	--	--
Sidewall Sampling Event VII												
North Side of Property												
EX-B-W-3	3'-3.5'	9/13/02	<5.0	440	110	470	473	--	--	--	--	--
EX-C-NW-3	3'-3.5'	9/13/02	<20	810	110	960	970	--	--	--	--	--
EX-C-NW-9	9'-9.5'	9/13/02	<20	390	60	410	420	--	--	--	--	--
EX-C-W-3	3'-3.5'	9/13/02	<20	2,400	1,100	2,800	2,810	--	--	--	--	--
EX-C-W-9	9'-9.5'	9/13/02	<20	190	44	190	200	--	--	--	--	--
EX-C-N-3	3'-3.5'	9/13/02	31	3,100	1,100	3,400	3,431	--	--	--	--	--
EX-C-N-9	9'-9.5'	9/13/02	21	840	190	830	851	--	--	--	--	--
Sidewall Sampling Event VIII												
North Side of Property												
EX-C-N-3	3'-3.5'	9/24/02	<1.0	320	190	360	361	<0.005	<0.005	<0.005	<0.005	<0.05
EX-C-N-9	9'-9.5'	9/24/02	2.8	410	91	400	403	<0.005	<0.005	0.016	<0.005	<0.05
South Side of Property												
EX-A-SW-3	3'-3.5'	9/24/02	<1.0	<1.0	<5.0	<5.0	0	0.0095	0.0051	<0.005	<0.005	<0.05
EX-A-SW-9	9'-9.5'	9/24/02	<10	240	25	240	245	<0.05	<0.05	<0.05	<0.05	<0.5
EX-A-W-9	9'-9.5'	9/24/02	12	140	<100	140	152	<0.05	<0.05	0.061	<0.05	<0.5
EX-A-W-3	3'-3.5'	9/24/02	2.4	28	<5.0	27	29	<0.005	0.0056	0.017	<0.005	<0.05
EX-A-S-9	9'-9.5'	9/24/02	<1.0	13	13	27	28	<0.005	<0.005	<0.005	<0.005	<0.05
EX-A-S-3	3'-3.5'	9/24/02	810	630	54	640	1,450	21	14	33	120	<5.0

Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**
		Residential RBSL*:	**400**	**500**	**500**	**NE**	**NE**	**0.18**	**8.4**	**24**	**1.0**	**1.0**
Sidewall Sampling Event IX												
North Side of Property												
EX-D-E-3 (10-20-02)	3'-3.5'	10/2/02	<10	**3,300**	**960**	3,700	**3,705**	<0.05	0.074	<0.05	<0.05	<0.5
South Side of Property												
EX-A-S-3 (10-2-02)	3'-3.5'	10/2/02	48	110	14	110	158	3.5	0.16	3.1	4.5	<0.5
TRENCH-2-3 (10-2-02)	3'-3.5'	10/2/02	<1.0	2.1	<5.0	<5.0	0	<0.005	<0.005	<0.005	<0.005	<0.05
TRENCH-2-9 (10-2-02)	9'-9.5'	10/2/02	6.5	130	23	130	137	<0.02	<0.02	0.030	<0.02	<0.2
TRENCH-1-9 (10-2-02)	9'-9.5'	10/2/02	<5.0	470	70	480	483	<0.02	<0.02	<0.02	<0.02	<0.2
TRENCH-1-3 (10-2-02)	3'-3.5'	10/2/02	<1.0	<1.0	<5.0	<5.0	0	<0.005	<0.005	<0.005	<0.005	<0.05
Sidewall Sampling Event X												
North Side of Property												
EX-D2-E-3	3'-3.5'	10/5/02	<10	2,600	1,500	3,100	**3,105**	--	--	--	--	--
EX-D2-S-3	3'-3.5'	10/5/02	<20	3,400	730	3,900	**3,910**	--	--	--	--	--
EX-K-N-3	3'-3.5'	10/5/02	<50	1,900	<500	2,000	**2,025**	--	--	--	--	--
EX-K-S-3	3'-3.5'	10/5/02	2.7	240	78	250	253	--	--	--	--	--
North Side of Property								--	--	--	--	--
EX-K-C-9	9'-9.5'	10/7/02	<1.0	22	5.4	24	25	--	--	--	--	--
EX-K-N-9	9'-9.5'	10/7/02	<4.0	350	57	360	362	--	--	--	--	--
EX-K-S-9	9'-9.5'	10/7/02	<1.0	6.3	<5.0	8.5	9	--	--	--	--	--
Pothole Sampling under former building												
PH-1-3	3'-3.5'	11/5/02	<5.0	67	13	66	69	--	--	--	--	--
PH-2-3	3'-3.5'	11/5/02	2.6	50	13	50	53	--	--	--	--	--
PH-2-9	9'-9.5'	11/5/02	19	940	180	920	939	--	--	--	--	--
PH-1-9	9'-9.5'	11/5/02	41	620	120	640	681	--	--	--	--	--
PH-3-3	3'-3.5'	11/5/02	<1.0	10	<5.0	9.6	10	--	--	--	--	--
PH-3-9	9'-9.5'	11/5/02	84	7,300	1,500	6,700	**6,784**	--	--	--	--	--
EX-L-SW-3	3'-3.5'	11/20/02	<1.0	<1.0	<5.0	<5.0	0	--	--	--	--	--
EX-L-SW-9	9'-9.5'	11/20/02	<1.0	<1.0	<5.0	<5.0	0	--	--	--	--	--
EX-L-NW-3	3'-3.5'	11/20/02	<1.0	<1.0	<5.0	<5.0	0	--	--	--	--	--
EX-L-NW-9	9'-9.5'	11/20/02	67	**3,000**	650	**2,800**	**2,867**	--	--	--	--	--
EX-L-S-3	3'-3.5'	11/20/02	<1.0	1.0	<5.0	<5.0	0	--	--	--	--	--
EX-L-S-9	9'-9.5'	11/20/02	13	1,100	270	1,100	**1,113**	--	--	--	--	--
EX-L-S2-9	9'-9.5'	11/22/02	<1.0	41	13	42	43	--	--	--	--	--
Stockpile Samples												
STOCKPILE A	--	7/24/02	60	330	--	--	--	<0.2	1.4	1.6	**7.8**	<2.0
STOCKPILE B	--	7/24/02	<1.0	970	350	--	--	<0.005	0.0064	0.031	0.079	<0.05
STOCKPILE B2	--	8/7/02	<10	660	160	650	655	--	--	--	--	--
STOCKPILE C	--	8/7/02	<10	200	41	210	215	<0.05	<0.05	<0.05	<0.05	<0.5
STOCKPILE A2	--	8/27/02	<1.0	44	40	84	85	<0.005	<0.005	<0.005	<0.005	<0.05
SP-1-1	--	8/27/02	<20	400	290	480	490	--	--	--	--	--
SP-1-2	--	8/27/02	<1.0	51	68	110	111	--	--	--	--	--
SP-1-3	--	8/27/02	1.6	250	230	330	332	--	--	--	--	--
SP-1-4	--	8/27/02	<1.0	400	170	470	471	--	--	--	--	--
SP-1-5	--	8/27/02	<1.0	170	120	190	191	--	--	--	--	--

Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**
		Residential RBSL*:	**400**	**500**	**500**	**NE**	**NE**	**0.18**	**8.4**	**24**	**1.0**	**1.0**
SP-1-6	--	8/27/02	1.2	410	220	540	541	--	--	--	--	--
SP-2-1	--	8/27/02	<1.0	380	300	690	691	--	--	--	--	--
SP-2-2	--	8/27/02	<100	**8,000**	**2,400**	8,400	**8,450**	--	--	--	--	--
SP-2-3	--	8/27/02	<100	**88,000**	**19,000**	89,000	**89,050**	--	--	--	--	--
SP-2-4	--	8/27/02	<40	**2,000**	**640**	2,100	**2,120**	--	--	--	--	--
SP-3-1	--	8/27/02	<10	360	200	400	405	--	--	--	--	--
SP-3-2	--	8/27/02	<10	**680**	320	880	885	--	--	--	--	--
STOCKPILE A3	--	9/30/02	78	**160**	45	170	248	--	--	--	--	--
STOCKPILE A3 (10-3-02)	--	10/3/02	25	**940**	180	860	885	--	--	--	--	--
N STOCKPILE 1,2,3,4	--	10/7/02	<50	**2,700**	950	3,100	**3,125**	--	--	--	--	--
COMPOSITE (SP-1 through SP-6)		11/5/02	11	70	13	66	77	--	--	--	--	--
STOCKPILE 1	--	11/20/02	<1.0	25	20	36	37	--	--	--	--	--
STOCKPILE 2	--	11/20/02	<3.3	170	59	180	182	--	--	--	--	--
Cleanup Goal							**1,000**					

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Table 1a. **Soil Sampling Analytical Data - Hydrocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	TPHg (C6-C9) (mg/kg)	TPHd (C10-C23) (mg/kg)	TPHmo (C-18+) (mg/kg)	TPHbo (C-10+) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	MTBE (mg/kg)
		EPA Method:	8015m	8015	8015	8015		8021	8021	8021	8021	8021
		Residential RBSL*:	400	500	500	NE	NE	0.18	8.4	24	1.0	1.0

Abbreviations and Notes:

* = Risk Based Screening Level (RBSL), CRWQCB, December 2001, Table B
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
TPHbo = Total petroleum hydrocarbons as bunker oil
Total TPH = TPHg + TPHbo. Results below detection limits added as 1/2 the detection limit.
MTBE = Methyl tert-butyl ether
mg/kg = Milligrams per kilogram
<n = Below detection limit of n mg/kg
-- = Not analyzed

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Table 1b. **Soil Sampling Analytical Data - PAHs**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID / Sample ID	Depth - feet bgs	Date Sampled	Napthalene[1] (mg/kg)	Acenaph-thene[1] (mg/kg)	Fluorene[1] (mg/kg)	Phenan-therene[1] (mg/kg)	Anthra-cene[1] (mg/kg)	Pyrene[1] (mg/kg)	Chrysene[1] (mg/kg)	PCBs (mg/kg)
		EPA Method:								
		Residential RBSL*:	4.9	16	5.1	11	2.9	55	3.8	NE
Lowney Associates Borings										
SS-1 (fill)	0'-0.5'		<0.075	<0.05	<0.025	0.15	<0.025	<0.025	0.099	<0.05
SS-1 (native)	3.5'-4'		<0.015	0.13	0.44	<0.005	<0.005	<0.005	<0.005	<0.05
SS-2 (fill)	0'-0.5'		<0.15	<0.1	<0.05	<0.05	<0.05	0.014	<0.05	<0.05
SS-2 (native)	5'-5.5'		<0.015	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05
SS-3 (fill)	0'-0.5'		<0.015	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05
SS-3 (native)	3.5'-4'		<0.015	<0.01	0.25	0.075	<0.005	<0.005	<0.005	<0.05
SS-4 (fill)	0'-0.5'		<0.075	<0.05	<0.025	0.11	<0.025	<0.025	<0.025	<0.05
SS-4 (native)	3.5'-4'		<0.015	<0.01	0.27	0.027	<0.005	<0.005	<0.005	<0.05
SS-5 (fill)	0'-0.5'		<0.15	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SS-5 (native)	7'-7.5'		<0.015	<0.01	0.49	0.71	<0.005	<0.005	<0.005	<0.05
SS-6 (fill)	0'-0.5'		<0.15	<0.1	<0.05	<0.05	<0.05	0.29	<0.05	<0.05
SS-6 (native)	6.5'-7'		<0.015	<0.01	0.033	<0.005	0.016	<0.005	<0.005	<0.05
SS-7 (fill)	0'-0.5'		<0.015	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05
SS-7 (native)	6'-6.5'		0.62	<0.01	0.33	0.53	<0.005	<0.005	<0.005	<0.05
SS-8 (fill)	0'-0.5'		<0.075	<0.05	<0.025	<0.025	<0.025	<0.025	<0.025	<0.05
SS-8 (native)	7.5'-8'		<0.015	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.05
SS-9 (fill)	0'-0.5'		<0.075	<0.05	<0.025	<0.025	<0.025	0.2	<0.025	<0.05
SS-9 (native)	4.5'-5'		<0.015	<0.01	0.088	<0.005	0.067	<0.005	<0.005	<0.05
Lowney Associates Test Pits										
TP-2B	1.5'		0.25	ND	ND	0.88	ND	ND	ND	ND
Cleanup Goal							1,000			

Abbreviations and Notes:

[1] = Other VOCS were not detected at or above the stated laboratory reporting limit
* = Risk Based Screening Level (RBSL), CRWQCB, December 2001, Table B
mg/kg = Milligrams per kilogram
<n = Below detection limit of n mg/kg
-- = Not analyzed

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Table 1c. **Soil Sampling Analytical Data - Metals and Pesticides**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Depth - feet bgs	Date Sampled	Arsenic (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Organochlorine Pesticides (mg/kg)
		EPA Method:					
		Residential RBSL*:	**0.39**	**1.7**	**200**	**4.7**	**NE**
		Background Concentration**:	**14**	**1.5**	**14.7**	**0.3**	**NE**
Lowney Associates Borings							
SS-1 (fill)	0'-0.5'		<1.0	2.6	110	**<0.05**	--
SS-1 (native)	3.5'-4'		--	--	**4.3**	--	--
SS-2 (fill)	0'-0.5'		**3.7**	**2.0**	**32**	**0.12**	ND
SS-2 (native)	5'-5.5'		**2.7**	**1.3**	**5.6**	<0.05	ND
SS-6[1] (fill)	0'-0.5'		**4.3**	**2.0**	19.0	**0.088**	ND
SS-6 (native)	6.5'-7'		**1.8**	**2.4**	**5.6**	<0.05	ND
SS-7[1] (fill)	0'-0.5'		**30**	**3.4**	**22**	**0.19**	ND
SS-7 (native)	6'-6.5'		**2.7**	**1.5**	**5.0**	<0.05	ND
Lowney Associates Test Pits							
TP-2B	1.5'		**9.0**	1.7	**200**	**4.7**	--

Abbreviations and Notes:

* = Risk Based Screening Level (RBSL), CRWQCB, December 2001, Table B
** = Lawrence Berkeley National Laboratory Environmental Restoration Program, 1995
mg/kg = Milligrams per kilogram
<n = Below detection limit of n mg/kg
-- = Not analyzed
ND = Not detected
NE = Not established

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Table 2a. **Groundwater Analytical Data - Hydocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Date Sampled	TPHg (C6-C9) (ug/L)	TPHd (C10-C23) (ug/L)	TPHmo (C-18+) (ug/L)	TPHbo (C-10+) (ug/L)	Total TPH (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Napthalene (ug/L)
EPA Method:		**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**	
MCL*:		**NE**	**NE**	**NE**	**NE**		**1.0**	**150**	**700**	**1,750**	**13**	
RBSL:**		**500**	**640**	**640**	**NE**		**46**	**130**	**290**	**13**	**1,800**	
Hicks Sampling												
Boring 1	8/01	5400	--	--	--	--	<5.0	ND	ND	ND	ND	27
Boring 2	8/01	3700	--	--	--	--	<5.0	ND	ND	ND	5.6	ND
Boring 3	8/01	130	--	--	--	--	<5.0	ND	ND	ND	ND	ND
Boring 4A	9/01	66000	4473	<5.0	--	--	200	53	12	29.4	ND	59
Boring 4B	9/01	--	--	--	--	--	350	97	32	170	ND	150
Boring 6	9/01	--	--	--	--	--	<5.0	ND	ND	ND	ND	ND
Boring 7	9/01	--	--	--	--	--	<5.0	ND	ND	ND	ND	ND
Boring 9	9/01	--	--	--	--	--	<5.0	ND	ND	ND	ND	ND
Lowney Sampling												
EB-7	3/5/02	260	**7,300**	<500	--	--	<0.5	<0.5	<0.5	<1.0	<5.0	
EB-8	3/5/02	<50	100	<580	--	--	<0.5	<0.5	<0.5	<1.0	<5.0	
EB-9	3/5/02	**17,000**	**24,000,000**	<2,000,000	--	--	<5.0	<5.0	<5.0	<10	<50	
EB-10	3/5/02	**5,900**	**4,400,000**	<400,000	--	--	<5.0	<5.0	<5.0	<10	<50	
EB-11	3/5/02	280	**2,100**	<580	--	--	<5.0	<5.0	<5.0	<10	100	
EB-12	3/5/02	**170,000**	**20,000,000**	<1,500,000	--	--	**5,800**	77	<50	<100	<500	
Cambria Sampling												
MW-4B	7/24/02	**2,700**	**2,000**	340	**2,100**	**4,800**	**790**	14	18	4.5	<10	
MW-7	7/24/02	280	**1,100**	420	**1,300**	**1,580**	0.65	<0.5	<0.5	<0.5	<5.0	
MW-9	7/24/02	<50	600	**780**	**960**	**985**	<0.5	<0.5	<0.5	<0.5	<5.0	
MW-10	7/24/02	**1,300**	**30,000**	**9,500**	**32,000**	**33,300**	<5.0	<5.0	<5.0	<5.0	<50	
MW-11	7/24/02	280	**1,400**	**900**	**1,800**	**2,080**	0.51	1.6	<0.5	0.78	<5.0	
MW-12	7/24/02	**1,400**	**950**	**1,200**	**1,600**	**3,000**	**360**	1.7	10	1.1	<5.0	
EX-A-W1	8/2/02	**2,900**	**23,000**	**7,900**	**23,000**	**25,900**	**240**	49	80	**360**	<50	

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil

Table 2a. **Groundwater Analytical Data - Hydocarbon Analyses**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Date Sampled	TPHg (C6-C9) (ug/L)	TPHd (C10-C23) (ug/L)	TPHmo (C-18+) (ug/L)	TPHbo (C-10+) (ug/L)	Total TPH (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	Napthalene (ug/L)
EPA Method:		**8015m**	**8015**	**8015**	**8015**		**8021**	**8021**	**8021**	**8021**	**8021**	
MCL*:		**NE**	**NE**	**NE**	**NE**		**1.0**	**150**	**700**	**1,750**	**13**	
RBSL:**		**500**	**640**	**640**	**NE**		**46**	**130**	**290**	**13**	**1,800**	

TPHbo = Total petroleum hydrocarbons as bunker oil
MTBE = Methyl tert-butyl ether
ug/L= Micrograms per liter
<n = Below detection limit of n mg/kg
* = Drinking water Maximum Contaminant Levels - California DHS, January 11, 2001
** = Risk Based Screening Level (RBSL), CRWQCB, December 2001, Table B
NE = Not establisehed
-- = Not analyzed/Not applicable

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Table 2b. **Groundwater Analytical Data - Volatile Organic Compounds**
Balaam Airgas
1350 Powell Street, Emeryville, California

Sample ID	Date Sampled	Screen Interval	n-Butylbenzene[1]	Sec-Butylbenzene[1]	Iso-Propylbenzene[1]	Napthalene[1]	n-Propylbenzene[1]
EPA Method:							
MCL*:			**NE**	**NE**	**NE**	**NE**	**NE**
RBSL:**			**NE**	**NE**	**NE**	**24**	**NE**
EB-7	3/5/02	--	<1.0	**3.4**	<0.5	**4.2**	<1.0
EB-8	3/5/02	--	<1.0	<1.0	<0.5	<1.0	<1.0
EB-9	3/5/02	--	**42**	**45**	**29**	**22**	**28**
EB-10	3/5/02	--	**23**	**21**	**14**	**20**	**13**
EB-11	3/5/02	--	**20**	**25**	**14**	**16**	<10
EB-12	3/5/02	--	<100	<100	<50	<100	<100

Abbreviations and Notes:

[1] = Other VOCS were not detected at or above the stated laboratory reporting limit
TPHg = Total petroleum hydrocarbons as gasoline
TPHd = Total petroleum hydrocarbons as diesel
TPHmo = Total petroleum hydrocarbons as motor oil
TPHbo = Total petroleum hydrocarbons as bunker oil
MTBE = Methyl tert-butyl ether
ug/L= Micrograms per liter
<n = Below detection limit of n mg/kg
* = Drinking water Maximum Contaminant Levels - California DHS, January 11, 2001
** = Risk Based Screening Level (RBSL), CRWQCB, December 2001, Table B
NE = Not establisehed
-- = Not analyzed