RISSBC-05 (Tar Seep Location)

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	25.3346 RrIi	ND	0.0028	ND	0.0566	1.864	6.187557		0/N/L
5	15.0714 RrI	2	2.604	0.28 R	0.192 R	0.0972	11.4318288		0/N/M

RISSBC-01

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.2257	ND	0.0068	0.043	0.008	0.189		3.5550458	0/N/N

RISSBC-02

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0514	0.33	0.0123	0.016	0.001	0.1933			0/N/N

RISSBC-06

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5	ND	ND	ND	ND	ND	ND			0/N/N
5	0.00655	ND	0.0067	ND	ND	0.11 RI			0/N/N
10	0.00054	ND	0.0086	ND	0.0022	0.061 RI			0/N/N
55.90	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
56	0.0026	ND	ND	ND	ND	ND			0/N/N
68	0.05626	ND	0.076	ND	ND	ND			0/N/N

RISSBC-05

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	0.097	0.017			0/N/N
5	0.0178	ND	0.0163	ND	0.035	0.013			0/N/N
20	0.52768	ND	0.0571	ND	0.041	0.022			0/N/N
35	311.2 RrIi	0.979	0.084	ND	0.043	822.86 RI			0/N/N
57	6.17 RI	ND	0.0032	ND	0.096	10			0/N/N

RISSBC-07

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5	ND	ND	0.0051	ND	ND	ND			0/N/N
5	ND	ND	0.0062	ND	ND	ND			0/N/N
10	ND	ND	ND	ND	0.0053	ND			0/N/N
50	ND	ND	0.004	ND	ND	ND			0/N/N
50.00	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
80	0.003	ND	0.0074	ND	0.0012	0.054 R			0/N/N

RISSBC-03

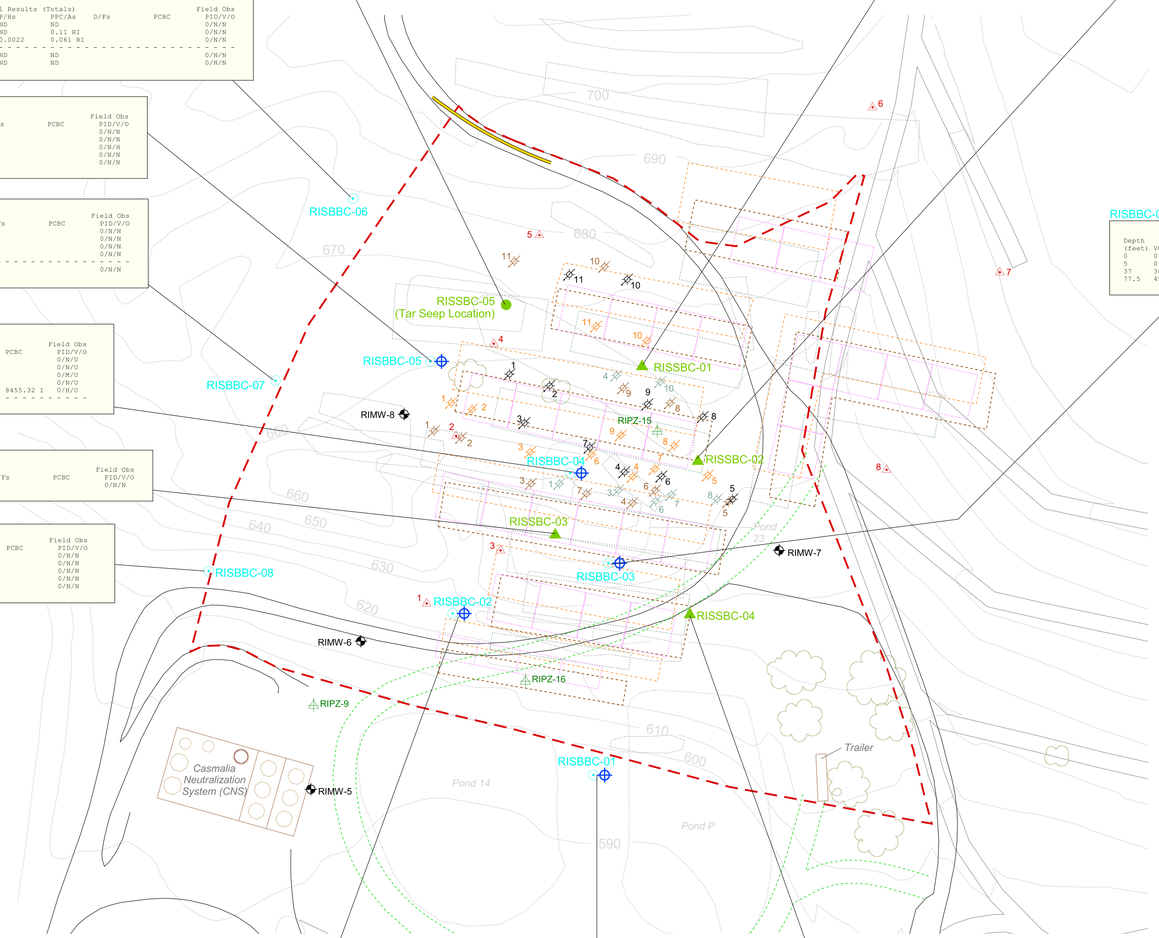
Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.003	ND	ND	ND	0.171	0.021			0/N/N
5	0.0027	ND	0.0031	ND	0.155	0.013			0/N/N
37	30.75 RI	25.68	6.641 r	ND	24.0695	131.01			0/N/N
77.5	45.67 RrIi	ND	0.0083	ND	0.084	ND			0/N/N

RISSBC-04

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	0.0205	0.067			0/N/U
5	ND	ND	ND	ND	0.053	0.0319			0/N/U
27	0.5694	1.6	0.817	ND	0.97267	0.106			0/M/U
49	0.0063	0.37	3.5285 RI	ND	1	0.05554			0/N/U
57.5	220.0007 RIE	122.49 RE	0.1546 RI	150 RI	7.643 RI	4.8994		8455.32 I	0/N/U
57.50	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -

RISSBC-08

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5	ND	ND	ND	ND	ND	0.067			0/N/N
5	0.0085	ND	0.089 RI	ND	ND	ND			0/N/N
10	0.0016	ND	ND	ND	ND	0.085			0/N/N
20	ND	ND	ND	ND	ND	0.068			0/N/N
47	ND	ND	ND	ND	ND	ND			0/N/N



RISSBC-03

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	0.014	0.045	0.0013047		0/N/N
5	0.016	ND	0.0021	ND	0.031	0.032	0.0976761		0/N/N
10	0.0074	ND	0.1536	ND	0.019	0.04	ND		0/N/N
20	2.1927 RI	ND	ND	ND	ND	0.0862			0/N/L
37.25	3.712 RI	ND	ND	ND	0.015	0.108			88.3/N/M
37.50	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
44.75	0.3074 RI	ND	ND	ND	ND	0.124			0/N/L

RISSBC-02

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	0.0013	0.023			0/N/N
5	ND	ND	ND	ND	0.0013	0.086			0/N/N
20	0.007	ND	ND	ND	ND	0.015			0/N/N
52.5	0.006	ND	0.2448 RI	ND	0.012	0.101			13.6/N/M

RISSBC-04

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0309	0.3	ND	ND	0.0039	0.1846			0/N/N

RISSBC-01

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	ND	ND	ND	ND	0.014	0.045	0.0013047		0/N/N
5	0.016	ND	0.0021	ND	0.031	0.032	0.0976761		0/N/N
10	0.0074	ND	0.1536	ND	0.019	0.04	ND		0/N/N
20	2.1927 RI	ND	ND	ND	ND	0.0862			0/N/L
37.25	3.712 RI	ND	ND	ND	0.015	0.108			88.3/N/M
37.50	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
44.75	0.3074 RI	ND	ND	ND	ND	0.124			0/N/L

Notes:

Laboratory Analytical Results

ND = None Detected
x.xx = Reported Concentration
- D/F in ng/kg
- All others in mg/kg

blank space = No Test Conducted at Particular Depth

Screening Level Exceedence

R = EPA Region 9 Residential PRG
r = Cal-Modified Residential PRG
I = EPA Region 9 Industrial PRG
i = Cal-Modified Industrial PRG
E = Lowest Ecological Screening Level

PID Field Observation (PID)

x.xx = Headspace Reading (ppmv)

Visual (V) and Odor (O) Field Observations

N = None
L = Light
M = Moderate
H = Heavy
U = Unknown Odor Due to Use of Respirators

- -
Water table encountered in borehole

Analytical Categories

VOCs = Summed Volatile Organic Compounds
SVOCs = Summed Semi-Volatile Organic Compounds
PAHs = Summed Polycyclic Aromatic Hydrocarbons
PCBs = Summed Polychlorinated Biphenyls
P/Hs = Summed Pesticides and Herbicides
PPC/As = Summed Poor-Purging Compounds and Alcohols
D/Fs = Dioxin/Furan TEQ
PCBC = PCB Congener TEQ

Explanation

Soil Sample Locations

- Surface Soil (Type 2)
- Surface to Shallow Soil (Type 3)
- Surface to Deep Soil - Groundwater and/or Contact if Encountered (Type 6)
- NAPL (Type 7)

Burial Trench Locations

- ERI (2003 Review of Photos Dated 1974 - 1981)
- Canonie Environmental (1988)

Well and Burial Trench Locations

- Woodward-Clyde (Figure A21-1-1, 1988)
- AT Kearney (March 25, 1987)
- McClelland (1989)

Other Site Features

- Burial Trench Area Boundary
- Monitoring Well Location
- Piezometer Location
- Surveyed Injection Well Location (March 25, 1987)
- Surveyed Burial Trench Location (March 25, 1987)
- PCB Landfill Clay Barrier (Woodward-Clyde, 1988)
- Road Remnants
- Historical Features

Source: Topographic base map provided by Pacific Engineering, Inc. from aerial survey dated March 4, 2004.

0 80 160
Scale in Feet

Figure B-10b

Summary Analytical Results and Field Observations Burial Trench Area

Final Remedial Investigation Report
Casmalia Resources Superfund Site
January 2011

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