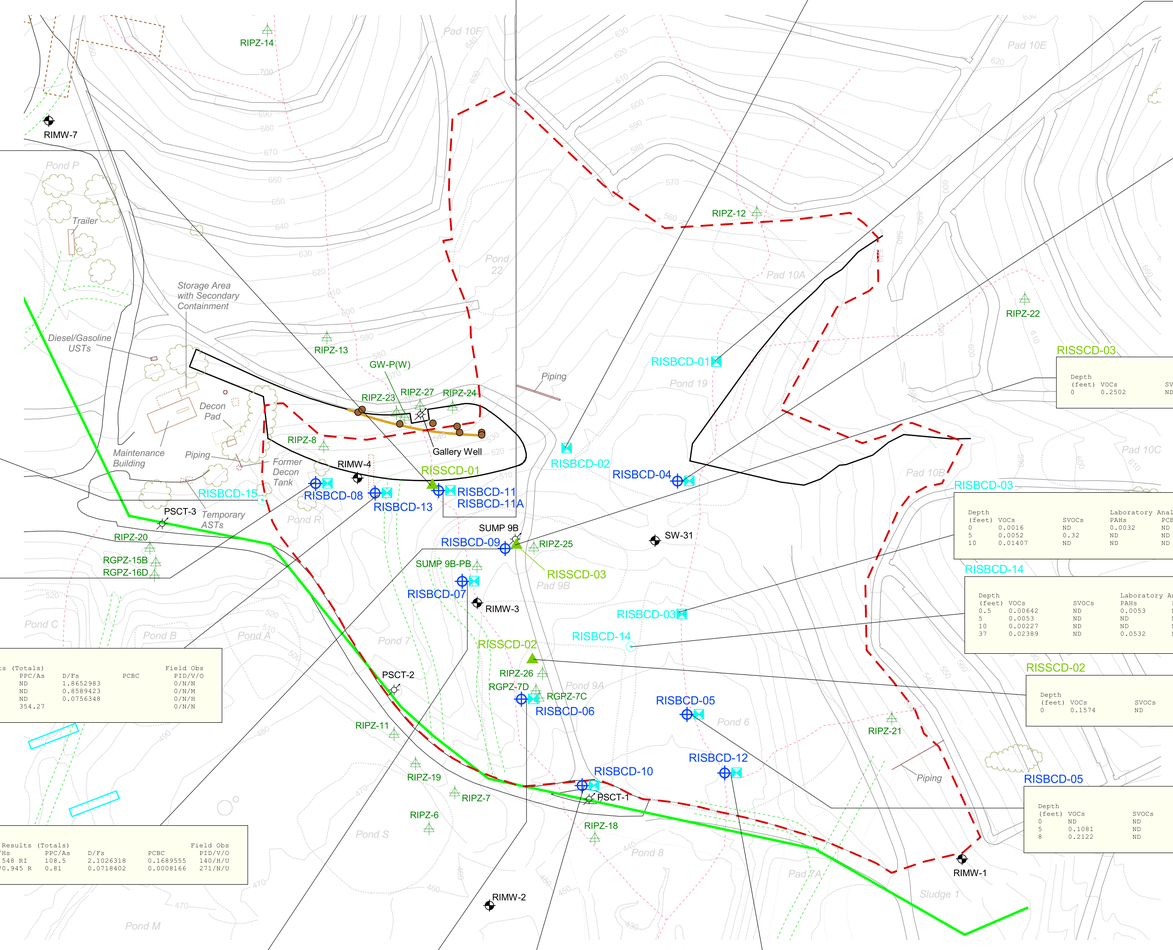

RISCBD-11

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0068	0.2	ND	ND	ND	0.018			0/N/U
5	1.1132 R	ND	ND	0.037	0.0023	0.108			0/N/U
12	3.19 RI	ND	ND	ND	0.015	ND			0/N/U
29	4.58 RI	ND	ND	ND	4.113	ND			0/N/U
42	310.3 RrIi	86.69	5.011 RrI	ND	96.3347 R	0.16			0/N/U

RISCBD-11A

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
41	611.4786 RrIi	147.88 RIE	1.2						U

RISCBD-02

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0081	0.21	ND	0.019	ND	ND		0.0064317	0/N/N
5	0.0615	ND	ND	ND	0.049	ND			0/N/N
10	0.3432 R	ND	ND	ND	ND	ND			0/N/N

RISCBD-01

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0132	0.22	ND	ND	0.0007	ND		ND	0/N/N
5	0.0088	ND	ND	ND	ND	ND			0/N/N
10	ND	ND	ND	ND	0.002	ND			0/N/N

RISSCD-01

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.3914	32.77	1.2211 R	ND	120.1469 R	0.2	57.5202197 I	5.013073	0/N/N

RISCBD-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	ND	0.014			0/N/N
5	0.0731	ND	0.041 RI	ND	ND	ND			0/N/M
14	0.1375	ND	0.0208	ND	0.7525	0.029			0/N/N
36	0.095	ND	0.0532	ND	2	0.106			0/N/L

RISSCD-03

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.2502	ND	0.0524	0.025	0.139	0.1839			0/N/N

RISCBD-15

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0003	ND	0.479 r	0.27 R	0.0542	0.053			11/M/M
4	0.0012	ND	0.0016	ND	ND	0.074			0/N/N
10	0.00116	ND	0.0024	ND	0.0017	0.072			0/N/N
44	0.02628	ND	0.79 RI	ND	ND	0.0079			0/N/N
44.00	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
48	0.00971	ND	0.72 RI	ND	ND	ND			0/N/N

RISCBD-08

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.3666	ND	ND	ND	0.015	0.02	0.0893126		0/N/N
5	4.6861 RI	ND	ND	0.091	0.005	0.023	0.5438139	7.439671	0/N/N
12	175 RrIi	20.87	2.103	ND	18.28584	ND	0.1856968		66.7/N/N
15	ND					ND	0.13598		55/N/N
24	12.061 RI	ND	0.012	ND	1.9012	0.012	0.0034884		26.5/N/N

RISCBD-03

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0016	ND	0.0032	ND	0.013	0.0064		0.025924	0/N/N
5	0.0052	0.32	ND	ND	0.024	0.0054			0/N/N
10	0.01407	ND	ND	ND	ND	0.0053			0/N/N

RISCBD-14

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0.5	0.00642	ND	0.0053	ND	0.04168	0.048			0/N/N
5	0.0053	ND	ND	ND	ND	ND			0/N/N
10	0.00227	ND	ND	ND	ND	0.014			0/N/N
37	0.02389	ND	0.0532	ND	ND	ND			0/N/N

RISCBD-13

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	3.27 RI	ND	0.0744	0.081	0.0121	ND	1.8652983		0/N/N
8	98.1 RrIi	ND	0.0273	ND	ND	ND	0.8569423		0/N/M
20	148.59 RrIi	ND	0.0062	ND	0.2145	ND	0.0756348		0/N/N
30	279.7 RrIi	41.5	0.3223 RI	ND	5.924	354.27			0/N/N

RISSCD-02

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.1574	ND	ND	ND	ND	0.2135	0.0025017		0/N/N

RISCBD-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	ND	0.016			0/N/N
5	0.1081	ND	ND	ND	0.015	0.019			0/N/N
8	0.2122	ND	ND	ND	0.015	0.022			0/N/N

RISCBD-09

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
8	168.66 RrIi	ND	ND	2.4 RI	5.548 RI	108.5	2.1026318	0.1689555	140/N/U
33	65.86 RrIi	40.25	1.7565	ND	170.945 R	0.81	0.0718402	0.0008166	271/N/U

RISCBD-07

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0101	ND	ND	ND	0.017	0.0538			0/N/N
5	33.458 RrI	1.51	0.4389	0.032	20.3018	0.63			77/M/N
10	32.07 RrI	ND	0.0204	0.092	29.7256	ND			0/N/N
22	645.6 RrIi	506.9 RIE	25.19 ri	ND	469.609 RI	ND			277/N/N

RISCBD-06

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0016	0.81	0.3699	0.026	2.73	0.018	4.1468367		0/N/N
4.75	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
5	0.1395	ND	ND	0.039	0.0338	0.301	ND		0/N/N
5	0.1395	ND	ND	0.039	0.0338	0.301	ND		35.4/N/N
10	22.5572	0.34	1.0357	ND	45.3409 R	2.315 RI	0.0003255		0/N/N
24	534 RrIi	0.65	0.0323	ND	2.1096	ND			0/N/N

RISCBD-12

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	0.0058	0.098	0.0126	ND	ND	0.02			0/N/N
5	0.0331	ND	0.0085	ND	0.0475	0.0475			0/N/N
10	0.1681	ND	0.0067	0.15	0.8048	0.0525			0/N/M

RISCBD-10

Depth (feet)	VOCs	SVOCs	Laboratory Analytical Results (Totals) PAHs	PCBs	P/Hs	PPC/As	D/Fs	PCBC	Field Obs PID/V/O
0	2.2627 RI	ND	0.051	3.2 RI	0.305	0.0928		32.35227 I	0/N/N
5	3.3979 RI	ND	ND	0.073	0.0016	0.0675		0.024889	0/N/N
12	2.3296 RI	ND	0.227	0.07	ND	0.053			0/N/N

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 Medium Soil (Type 4)
- Surface to Deep Soil - Groundwater and/or Contact if Encountered (Type 6)
- NAPL (Type 7)

Other Site Features

- Central Drainage Area Boundary
- Piezometer
- Monitoring Well
- Liquids Extraction Well
- Clay Barrier Boring
- Perimeter Source Control Trench (Brierly & Lyman, 1989)
- Perimeter Control Trench (Brierly & Lyman, 1989)
- P/S Landfill Clay Barrier (1981 Photograph)
- Buttress
- Burial Trench Location Woodward Clyde (Figure A21-1-1, 1988)
- Road Remnants
- Historical Natural Drainage (Based on 1956 Photo, 1974 Topographic Maps, and Figures 21-2 and 21-3 Woodward-Clyde, 1988)
- Historical Features
- Trench

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

0 150 300

Scale in Feet

Figure B-11b

Summary Analytical Results and Field Observations Central Drainage Area

Final Remedial Investigation Report

Casmalia Resources Superfund Site

January 2011

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