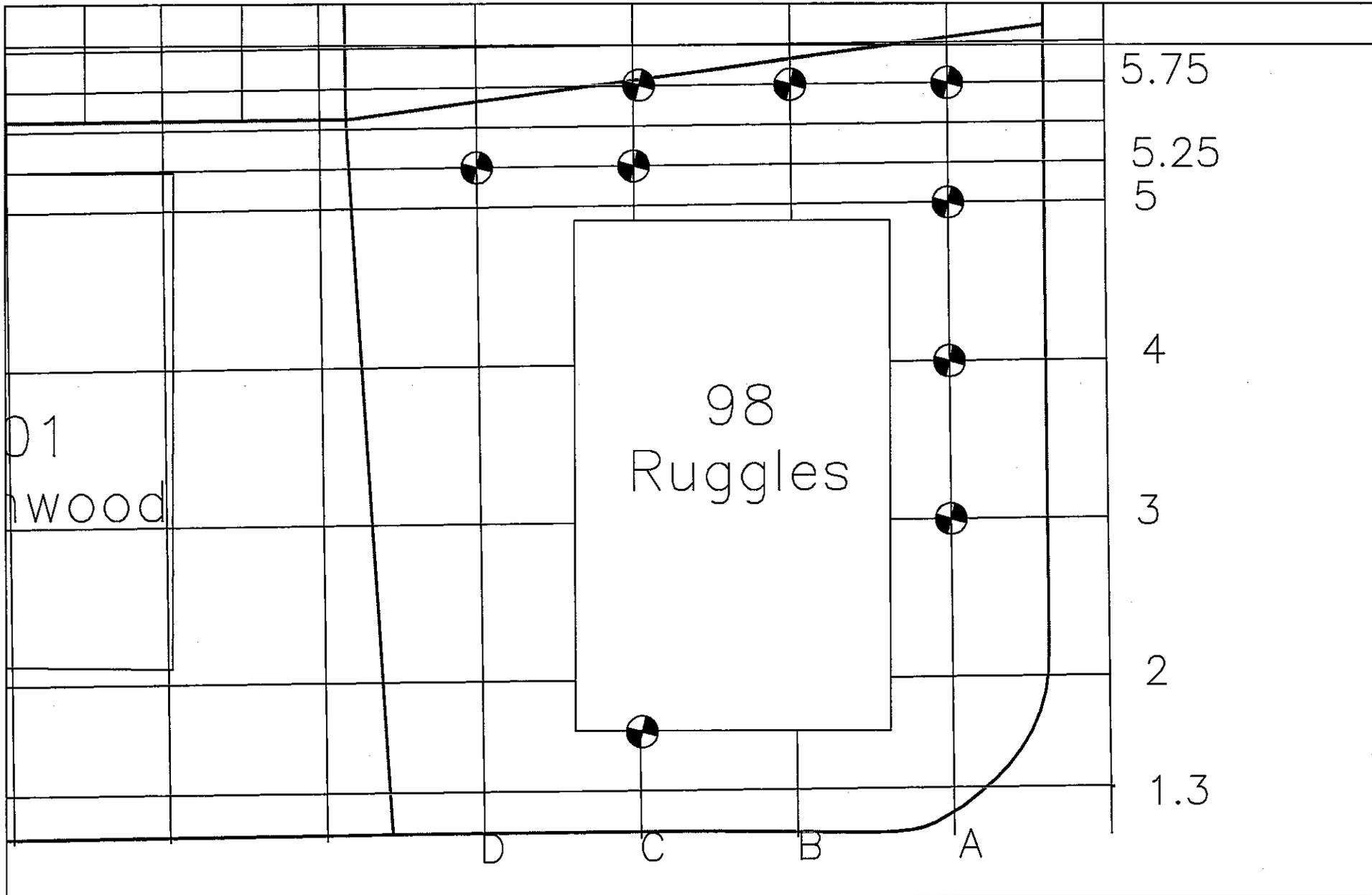


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98 Ruggles Street
Shallow Exceedances
3 feet or less below grade
Scale: 1" = 20'

Notes:
----- =PCBs > 2 ppm



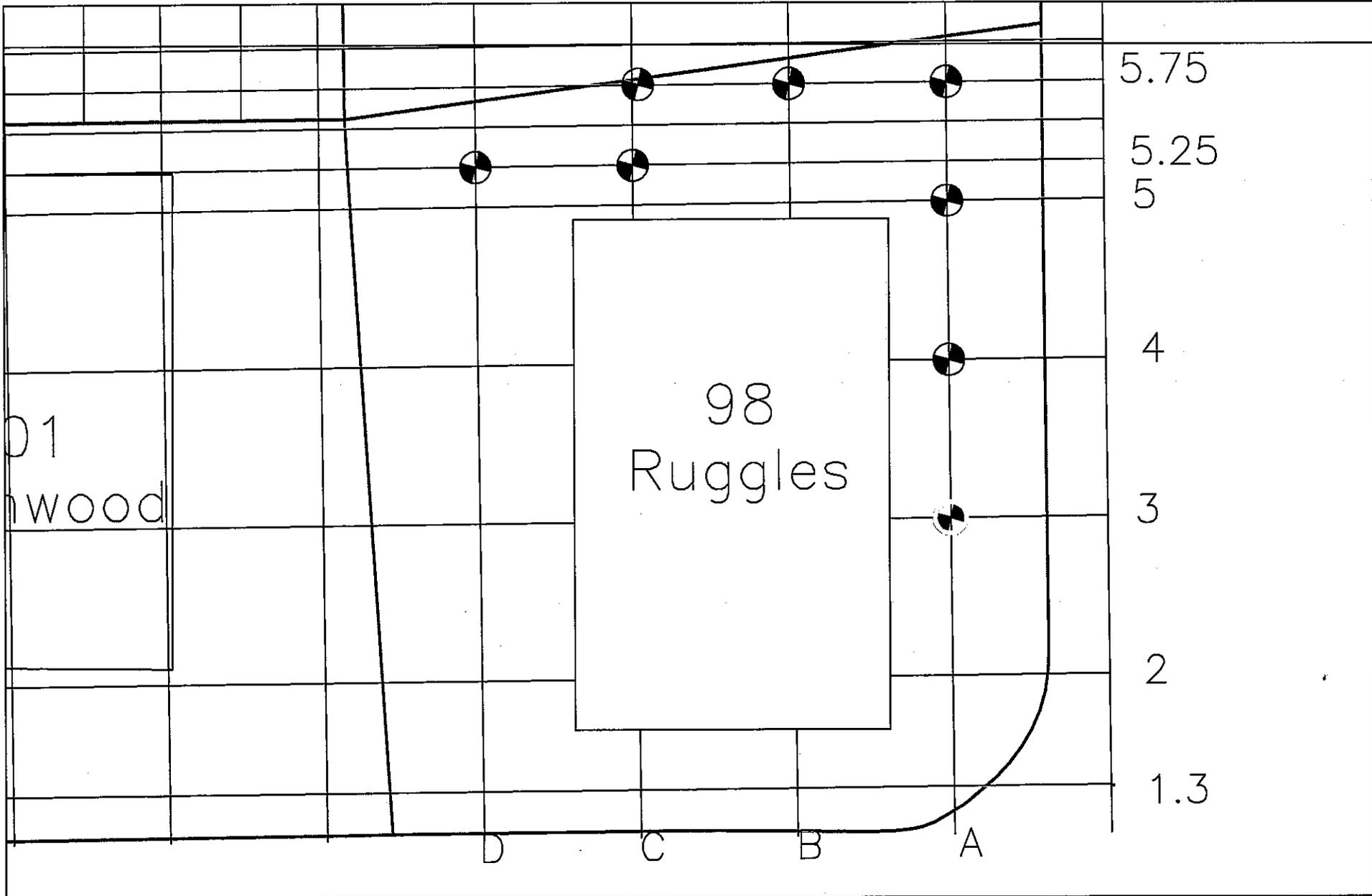
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98 Ruggles Street
Medium Exceedances
3 - 6 feet below grade
Scale: 1" = 20'

Notes:
----- = PCBs > 2 ppm

*There were no
exceedances for PCBs



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98 Ruggles Street
Deep Exceedances
Greater than 6 feet below grade
Scale: 1" = 20'

Notes:
=PCBs > 2 ppm

98 Ruggles Street
 Polychlorinated Biphenyls (PCBs)

Sample Identification	Depth	Date Sampled	Date Extracted	Date Analyzed	Total PCBs	PCB-1221	PCB-1232	PCB-1016/1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268
					(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
					2.0	~	~	~	~	~	~	~	
S-1 / S-2 UCL	100	~	~	~	~	~	~	~	~	~	~	~	~
A2-0.5-3	0.5-3	6/20/06	6/23/06	6/27/06	0.235	ND	ND	ND	ND	ND	0.235	ND	ND
A3-0.5-3	0.5-3	6/20/06	6/23/06	6/27/06	1.683	ND	ND	ND	ND	1.090	ND	0.593	ND
A3-3-7	3-7	6/20/06	6/23/06	6/27/06	0.398	ND	ND	ND	ND	0.398	ND	ND	ND
A3-3-7 MS	3-7	6/20/06	6/23/06	6/27/06	1.110	ND	ND	ND	ND	1.110	ND	ND	ND
A3-3-7 MSD	3-7	6/20/06	6/23/06	6/27/06	0.932	ND	ND	ND	ND	0.932	ND	ND	ND
A3-7-10	7-10	6/20/06	6/23/06	6/27/06	13.3	ND	ND	ND	ND	13.300	ND	ND	ND
A2-0.5-3 MS	0.5-3	6/20/06	6/23/06	6/27/06	0.457	ND	ND	ND	ND	0.457	ND	ND	ND
A2-0.5-3 MSD	0.5-3	6/20/06	6/23/06	6/27/06	0.773	ND	ND	ND	ND	0.773	ND	ND	ND
A4-3-6	3-6	6/20/06	6/23/06	6/27/06	1.806	ND	ND	ND	ND	1.200	ND	0.406	ND
A4-6-8	6-8	6/20/06	6/23/06	6/27/06	0.865	ND	ND	ND	ND	0.865	ND	ND	ND
A4-0.5-3	0.5-3	6/20/06	6/23/06	6/27/06	4.280	ND	ND	ND	ND	4.280	ND	ND	ND
A5-0.5-3	0.5-3	6/20/06	6/23/06	6/27/06	1.210	ND	ND	ND	ND	1.210	ND	ND	ND
A5-3-7 DUP	3-7	6/20/06	6/23/06	6/27/06	1.130	ND	ND	ND	ND	ND	1.130	ND	ND
A5-7-10	7-10	6/20/06	6/23/06	6/27/06	0.165	ND	ND	ND	ND	0.165	ND	ND	ND
A5.75-0.5-3	0.5-3	6/20/06	6/23/06	6/27/06	1.368	ND	ND	ND	ND	1.080	ND	0.288	ND
A5.75-3-7	3-7	6/20/06	6/23/06	6/26/06	0.187	ND	ND	ND	ND	ND	0.187	ND	ND
A5.75-3-7 MS	3-7	6/20/06	6/23/06	6/26/06	0.733	ND	ND	ND	ND	0.733	ND	ND	ND
A5.75-3-7 MSD	3-7	6/20/06	6/23/06	6/26/06	0.831	ND	ND	ND	ND	0.631	ND	ND	ND
A5.75-7-10	7-10	6/20/06	6/23/06	6/26/06	0.288	ND	ND	ND	ND	ND	0.288	ND	ND
B2-1-5	1-5	6/20/06	6/23/06	6/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND
B5.75-0.5-3	4-6	6/20/06	6/23/06	6/26/06	3.032	ND	ND	ND	ND	2.260	ND	0.772	ND
B5.75-3-7	3-7	6/20/06	6/23/06	6/26/06	0.616	ND	ND	ND	ND	ND	0.616	ND	ND
B5.75-7-10	7-10	6/20/06	6/23/06	6/26/06	0.992	ND	ND	ND	ND	ND	0.992	ND	ND
C5.25-0.5-3	0.5-3	6/20/06	6/22/06	6/27/06	1.390	ND	ND	ND	ND	1.390	ND	ND	ND
C5.25-3-7	3-7	6/20/06	6/23/06	6/27/06	0.515	ND	ND	ND	ND	ND	0.515	ND	ND
C5.25-7-10	7-10	6/20/06	6/22/06	6/27/06	0.687	ND	ND	ND	ND	0.687	ND	ND	ND
C5.75-3-5	3-5	6/20/06	6/22/06	6/27/06	0.126	ND	ND	ND	ND	ND	0.126	ND	ND
C5.75-5-8	5-8	6/20/06	6/22/06	6/27/06	0.158	ND	ND	ND	ND	ND	0.158	ND	ND
C2-3-6 DUP	3-6	6/20/06	6/22/06	6/26/06	0.752	ND	ND	ND	ND	ND	0.752	ND	ND
C1.3-0.5-3	0.5-3	6/20/06	6/22/06	6/26/06	ND	ND	ND	ND	ND	ND	ND	ND	ND
D1.3-0.5-3	0.5-3	6/20/06	6/22/06	6/26/06	0.200	ND	ND	ND	ND	0.200	ND	ND	ND
D5.25-0.5-3	0.5-3	6/20/06	6/22/06	6/26/06	4.074	ND	ND	ND	ND	3.290	ND	0.784	ND
D5.25-3-7	3-7	6/20/06	6/22/06	6/26/06	0.145	ND	ND	ND	ND	ND	0.145	ND	ND
D5.25-7-10	7-10	6/20/06	6/22/06	6/26/06	0.540	ND	ND	ND	ND	0.540	ND	ND	ND

NOTES:

- S-1 = Massachusetts Contingency Plan (MCP) Method 1 Soil Standard for category S-1 soil.
- S-2 = MCP Method 1 Soil Standard for category S-2 soil.
- (mg/kg) = milligrams per kilogram (parts per million (ppm))
- ND = Not detected above method detection limit
- value** Gray shading with bold font indicates concentration exceeding applicable MCP Soil Standard

**98 Ruggles Street
RCRA 8 Metals**

		RCRA 8 Metals							
		Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)
S-1		20	1,000	2	30	300	20	400	100
S-2		20	3,000	30	200	300	30	800	200
MADEP Background ¹		20	50 ²	3	40	600	1	1	5
UCL		200	10,000	300	2,000	3,000	300	8,000	2,000
Sample Identification	Date Sampled								
98 Comp 1 Shallow	6/20/06	3.86	237	1.07	12	404	0.281	ND	0.36
98 Comp 2 Shallow	6/20/06	34	440	5.24	60	646	1.28	ND	0.66
98 Comp 3 Shallow	6/20/06	5.52	124	1.35	20	225	0.315	ND	ND
98 Comp 1 Medium	6/20/06	22	234	6.67	31	566	0.311	ND	0.58
98 Comp 2 Medium	6/20/06	16	226	2.95	23	857	0.642	ND	0.46
98 Comp 3 Medium	6/20/06	13	441	3.52	24	1990	2.7	ND	2.07
98 Comp 1 Deep	6/20/06	23	325	4.47	54	2460	1.44	ND	0.52
98 Comp 2 Deep	6/20/06	16	338	5.13	28	1190	1.02	ND	0.81
<p>NOTES:</p> <p>S-1 = Massachusetts Contingency Plan (MCP) Method 1 Soil Standard for category S-1 soil (with GW-2 Groundwater Standard).</p> <p>S-2 = MCP Method 1 Soil Standard for Category S-2 soil (with GW-2 Groundwater Standard).</p> <p>¹ = Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil, MADEP, May 2002</p> <p>² = In the absence of fill-specific data the "natural" soil value has been adopted (refer to ¹)</p> <p>(mg/kg) = milligrams per kilogram (parts per million (ppm))</p> <p>ND = Not detected above method detection limit</p> <p>value Bold font indicates concentration exceeding MCP S-1 Soil Standard</p> <p><i>value</i> Gray shading without bold font indicates concentration exceeding MCP S-2 Soil Standard</p> <p><i>value</i> Dark gray shading with italic, bold font indicates concentration exceeding Background Levels¹</p>									

98 Ruggles Street
Polynuclear Aromatic Hydrocarbons (PAHs)

	Naphthalene	2-Methylnaphthalene	Acenaphthylene	Acenaphthene	Dibenzofuran (RCS-1 Standard)	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(e)pyrene	Indeno(1,2,3-cd)pyrene	Dibenz(a,h)anthracene (Dibenz(a,h)anthracene)	Benzo(a,h,i)perylene (Benzo(ghi)perylene)	
	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	
S-1	40,000	500,000	100,000	1,000,000	100,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	7,000	7,000	7,000	70,000	2,000	7,000	700	1,000,000	
S-2	40,000	1,000,000	2,500,000	2,500,000	-	2,000,000	2,500,000	2,500,000	3,000,000	3,000,000	40,000	10,000	40,000	400,000	4,000	40,000	4,000	2,500,000	
MADEP Background ¹	-	-	-	-	-	-	-	-	-	-	9,000	7,000	8,000	-	7,000	3,000	-	-	
UCL	10,000,000	10,000,000	10,000,000	10,000,000	-	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	3,000,000	400,000	3,000,000	10,000,000	300,000	3,000,000	300,000	10,000,000	
Sample Identification	Date Sampled																		
98 Comp 1 Shallow	6/20/06	280	280	280	280	280	340	3,400	880	3,900	3,100	1,700	1,400	1,900	650	1,400	850	280	730
98 Comp 1 Medium	6/20/06	320	320	1,000	320	550	1,000	12,000	2,600	14,000	11,000	5,100	3,900	7,100	2,300	5,300	2,500	700	2,000
98 Comp 1 Deep	6/20/06	300	300	590	300	370	640	7,600	1,600	8,800	7,000	3,300	2,600	5,000	1,300	3,200	1,500	460	1,200
98 Comp 2 Shallow	6/20/06	350	350	350	350	350	350	1,400	440	2,200	1,900	1,100	930	1,600	490	1,100	510	350	420
98 Comp 2 Medium	6/20/06	290	290	290	290	290	290	840	290	1,100	960	480	450	740	520	290	290	290	310
98 Comp 2 Deep	6/20/06	330	330	330	330	330	330	1,900	570	2,100	1,700	1,100	880	2,100	570	1,100	720	330	660
98 Comp 3 Shallow	6/20/06	290	290	410	290	290	290	2,500	1,200	3,500	3,700	1,800	1,500	2,000	650	1,500	660	290	550
98 Comp 3 Medium	6/20/06	290	290	380	800	390	910	10,000	2,400	15000	12000	6500	5400	9000	2900	6100	2500	880	2,100

NOTES:

(ug/kg) = micrograms per kilogram (parts per billion (ppb))

ND = not detected above method detection limit

S-1 = Massachusetts Contingency Plan (MCP) Method 1 Soil Standard for category S-1 soil (with GW-2 Groundwater Standard).

S-2 = MCP Method 1 Soil Standard for Category S-2 soil (with GW-2 Groundwater Standard).

¹ = Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil, MADEP, May 2002

value Bold font indicates concentration exceeding MCP S-1 Soil Standard

value Gray shading without bold font indicates concentration exceeding MCP S-2 Soil Standard

value Dark gray shading with italic, bold font indicates concentration exceeding Background Levels¹

September 13, 2006

Mr. Scott Alfonse, Director
Environmental Stewardship
City of New Bedford
133 William Street, Room 311
New Bedford, MA 02740

**Re: 98 Ruggles Street– Summary of Soil Sampling
Analytical Results**

Dear Mr. Alfonse:

The purpose of this letter is to present a summary of analytical results from soil sampling conducted at the property located at 98 Ruggles Street. The soil sampling was conducted on June 20, 2006. We have also included soil boring logs for all subsurface information and a plan showing any exceedances of the Method 1, S-1 Soil Standards and/or background levels for each contaminant of concern.

Subsurface investigations have been performed at various times since September 2004 along the residential streets which abut the former McCoy Field. Soil/fill samples were collected and submitted for laboratory analysis of the following contaminants of concern:

- Polychlorinated Biphenyls (PCBs);
- RCRA 8 Metals; and
- Semivolatile Organic Compounds (SVOCs) & Polycyclic Aromatic Hydrocarbons (PAHs).

As discussed, we obtained samples for the required disposal parameters and at the approximate frequency necessary for live loading and off-site management of the contaminated soil at the WM Turnkey Facility in New Hampshire. Supplemental sampling and analyses may be required prior to initiation of any response actions involving off-site management of contaminated soil/ash.

On June 20, 2006, eleven (11) soil borings were advanced at the referenced site using a Geoprobe®. Grab soil samples were collected at locations where “suspect” fill materials were encountered at the following depths: shallow (0 to 3 feet), medium (3 to 6 feet) and deep (6 to naturally occurring material) horizons. “Suspect” soil samples collected from each horizon were submitted for analysis of PCBs; composite soil samples from four contiguous locations were submitted for RCRA 8 Metals and PAHs analyses.

PCB Analytical Results

A total of 27 grab samples were submitted for PCB analysis. The following PCB concentrations apply:

- Minimum.....Non-detect (below method detection levels);
- Maximum.....13.3 milligrams per kilogram (parts per million);
- Average.....2.7 parts per million (ppm); and

Of the 27 samples analyzed, four had concentrations exceeding the 2 ppm Massachusetts Contingency Plan (MCP) Method 1 S-1 Soil Standard, three within three feet of ground surface. Reference is made to the enclosed sample location plans.

RCRA 8 Metals Results

Eight (8) composite samples were submitted for RCRA 8 Metals and PAHs analyses. The results are presented below:

Arsenic

The minimum, maximum, and average arsenic concentrations are 3.86 ppm, 34.0 ppm, and 16.67 ppm, respectively. One (1) sample exceeded the S-1 Soil Standard (20 ppm) and two (2) samples exceeded the "background level" of 20 ppm.

Barium

The minimum, maximum, and average barium concentrations are 124.0 ppm, 441 ppm, and 295.62 ppm, respectively. No samples exceeded the S-1 Soil Standard (1,000 ppm).

Cadmium

The minimum, maximum, and average cadmium concentrations are 1.07 ppm, 6.67 ppm, and 3.8 ppm, respectively. Six (6) samples exceeded the S-1 Soil Standard (2 ppm), and five (5) samples exceeded the "background level" of 3 ppm.

Chromium

The minimum, maximum, and average chromium concentrations are 12.0 ppm, 60 ppm, and 131.94 ppm, respectively. Three (3) samples exceeded the S-1 Soil Standard (30 ppm), and two (2) samples exceeded the "background level" of 40 ppm.

Lead

The minimum, maximum, and average lead concentrations are 225.0 ppm, 2,460 ppm, and 1042.25 ppm, respectively. Seven (7) samples exceeded the S-1 Soil Standard (300 ppm), and five (5) samples exceeded the "background level" of 600 ppm.

Scott Alfonse
September 14, 2006
Page 3 of 3

Mercury

The minimum, maximum, and average mercury concentrations are 0.281 ppm, 2.7 ppm, and 0.998 ppm, respectively. No samples exceeded the S-1 Soil Standard (20 ppm).

Selenium

None of the samples were above the method detection limit.

Silver

The minimum, maximum, and average silver concentrations are 0.36 ppm, 2.07 ppm, and 0.683 ppm, respectively. No samples exceeded the S-1 Soil Standard (100 ppm).

PAHs

A total of eight (8) samples were submitted for PAH analyses. None of the samples exceeded S-1 Soil Standards or allowable "background levels".

MCP Response Actions

It is apparent that levels of contamination detected in surface soils do not pose an imminent hazard, as defined under the Massachusetts Contingency Plan (MCP); however, concentrations of the contaminants of concern in surface and subsurface soils do exceed Method 1 risk based levels established in the MCP. Reference is made to the enclosed sample location plan that depicts those areas of the site where PCB, arsenic, cadmium and lead concentrations exceed the applicable Method 1, S-1 and S-2 soil standards established in the MCP.

Please call me at (781) 255-1982 with any questions.

Very truly yours,

BETA GROUP, INC.



Alan D. Hanscom, P.E., LSP
Associate

Enclosures

Cc: Dave Billo, BETA Group, Inc.
Tim Downey, BETA Group, Inc.
Liz Connell, BETA Group, Inc.

BETA