

# Summary of Analytical Data Surface Soil Sampling Data

## **101 Greenwood Street**

**New Bedford, Massachusetts**

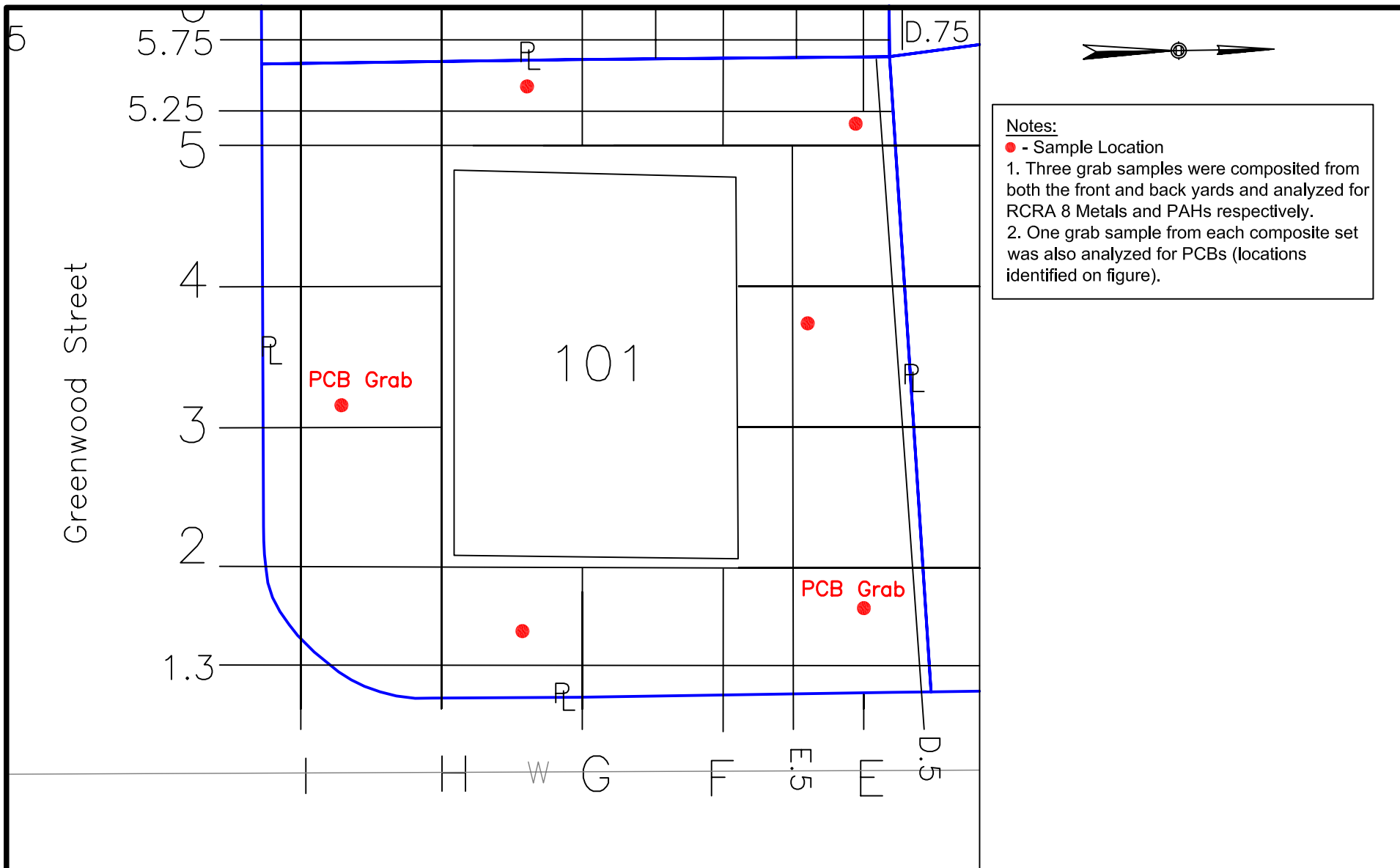


**February 13, 2006**

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Surface Sampling 0-6"  
February 6, 2006

101 Greenwood Street

Scale: 1" = 20'

**101 Greenwood Street  
Surface Samples  
RCRA 8 Metals**

|                                                          |              | RCRA 8 Metals |                 |         |          |         |         |          |         |
|----------------------------------------------------------|--------------|---------------|-----------------|---------|----------|---------|---------|----------|---------|
|                                                          |              | Arsenic       | Barium          | Cadmium | Chromium | Lead    | Mercury | Selenium | Silver  |
|                                                          |              | (mg/kg)       | (mg/kg)         | (mg/kg) | (mg/kg)  | (mg/kg) | (mg/kg) | (mg/kg)  | (mg/kg) |
| MADEP Background <sup>1</sup><br>Regulatory Limit<br>UCL | S-1          | 30            | 1,000           | 30      | 1,000    | 300     | 20      | 400      | 100     |
|                                                          |              | 20            | 50 <sup>2</sup> | 3       | 40       | 600     | 1       | 1        | 5       |
|                                                          |              | ~             | ~               | ~       | ~        | ~       | ~       | ~        | ~       |
|                                                          |              | 300           | 10,000          | 800     | 10,000   | 6,000   | 600     | 10,000   | 2,000   |
| Sample Identification                                    | Date Sampled |               |                 |         |          |         |         |          |         |
| 101 Greenwood Front Comp                                 | 2/6/06       | 2.16          | 71              | 0.75    | 12       | 107     | 0.118   | 0.31     | ND      |
| 101 Greenwood Rear Comp                                  | 2/6/06       | 1.5           | 30              | 0.38    | 7.55     | 62      | 0.061   | 0.25     | ND      |

## NOTES:

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

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

<sup>2</sup> = In the absence of fill-specific data the "natural" soil value has been adopted (refer to <sup>1</sup>)

(mg/kg) = milligrams per kilogram (parts per million (ppm))

ND = Not detected above method detection limit

101 Greenwood Street  
Surface Samples  
Polynuclear Aromatic Hydrocarbons (PAHs)

|                               |              |               | Naphthalene | 2-Methylnaphthalene | Acenaphthylene | Acenaphthene | Dibenzofuran<br>(RCS-1 Soil Standard) | Fluorene   | Phenanthrene | Anthracene | Fluoranthene | Pyrene     | Benzo(a)anthracene | Chrysene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Benzo(a)pyrene | Indeno(1,2,3-cd)pyrene | Dibenz(a,h)anthracene<br>(Dibenzo(a,h)anthracene) | Benzo(g,h,i)perylene<br>(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                           |              |               | 100,000     | 500,000             | 100,000        | 1,000,000    | 100,000                               | 1,000,000  | 1,000,000    | 1,000,000  | 1,000,000    | 700,000    | 700                | 700      | 700                  | 7,000                | 700            | 700                    | 700                                               | 1,000,000                                    |
| MADEP Background <sup>1</sup> |              |               | -           | -                   | -              | -            | -                                     | -          | -            | -          | -            | -          | 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 | 100,000            | 400,000  | 100,000              | 400,000              | 100,000        | 100,000                | 100,000                                           | 10,000,000                                   |
| Sample Identification         | Date Sampled | Date Analyzed |             |                     |                |              |                                       |            |              |            |              |            |                    |          |                      |                      |                |                        |                                                   |                                              |
| 101 Greenwood Front Comp      | 2/6/06       | 2/10/06       | ND          | ND                  | ND             | ND           | ND                                    | ND         | 160          | ND         | 380          | 450        | 210                | 160      | 140                  | 150                  | 170            | 110                    | ND                                                | 140                                          |
| 101 Greenwood Rear Comp       | 2/6/06       | 2/10/06       | ND          | ND                  | ND             | ND           | ND                                    | ND         | 170          | ND         | 290          | 350        | 150                | 110      | 76                   | 120                  | 110            | 82                     | ND                                                | 93                                           |

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).  
RCS-1 = Massachusetts Contingency Plan (MCP) Reportable Concentration Soil Standard for category S-1 soil. There is no S-1 Soil Standard listed in Section 40.0976(6) Tables 1 & 2.  
<sup>1</sup> = Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil, MADEP, May 2002

**101 Greenwood Street  
Surface Samples  
RCRA 8 Metals**

|                                                          |              | RCRA 8 Metals      |                   |                    |                     |                 |                    |                     |                   |
|----------------------------------------------------------|--------------|--------------------|-------------------|--------------------|---------------------|-----------------|--------------------|---------------------|-------------------|
|                                                          |              | Arsenic<br>(mg/kg) | Barium<br>(mg/kg) | Cadmium<br>(mg/kg) | Chromium<br>(mg/kg) | Lead<br>(mg/kg) | Mercury<br>(mg/kg) | Selenium<br>(mg/kg) | Silver<br>(mg/kg) |
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|                                                          |              | 20                 | 50 <sup>2</sup>   | 3                  | 40                  | 600             | 1                  | 1                   | 5                 |
|                                                          |              | ~                  | ~                 | ~                  | ~                   | ~               | ~                  | ~                   | ~                 |
|                                                          |              | 300                | 10,000            | 800                | 10,000              | 6,000           | 600                | 10,000              | 2,000             |
| Sample Identification                                    | Date Sampled |                    |                   |                    |                     |                 |                    |                     |                   |
| 101 Greenwood Front Comp                                 | 2/6/06       | 2.16               | 71                | 0.75               | 12                  | 107             | 0.118              | 0.31                | ND                |
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<sup>2</sup> = In the absence of fill-specific data the "natural" soil value has been adopted (refer to <sup>1</sup>)

<sup>3</sup> = Split sample with Goldman Environmental, analyzed by Grounwater Analytical

(mg/kg) = milligrams per kilogram (parts per million (ppm))

ND = Not detected above method detection limit