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HALEY&
ALDRICH

28 October 2004
File No. 27892-421

Department of Environmental Protection
Bureau of Water Management
Permitting, Enforcement and Remediation Division
79 Elm Street
Hartford, CT 06106-5127

Attention: Ms. Shannon Pociu

Subject: Request for Modification to Work Plan
Mill Rock Park
Hamden, Connecticut

Ladies and Gentlemen:

On behalf of the Town of Hamden, Haley & Aldrich, Inc. (Haley & Aldrich) requests approval of the following modification to the Supplemental Phase III Environmental Investigation Work Plan, Rochford Field and Mill Rock Park, Hamden, Connecticut (Work Plan), dated July 2004.

The Work Plan (page 11) identifies semi-volatile organic compounds (SVOCs) as a contaminant of concern at Mill Rock Park. However, of the 26 samples analyzed for SVOCs at Mill Rock Park, the only non polynuclear aromatic hydrocarbon (PAH) SVOCs detected are bis(2-ethylhexyl)phthalate at one location (MRP-HA102), and carbazole at five locations (MRP-HA101, 102, 104, 105 and 106). Refer to Work Plan Table II (attached) for additional information.

Therefore, we request that the sampling for SVOCs at Mill Rock Park include only PAHs and carbazole. At locations near MRP-HA102, we will also analyze for bis(2-ethylhexyl)phthalate. We understand that this request is consistent with the approach that the Regional Water Authority has taken on the nearby Middle School parcel, and that this approach was approved by the Connecticut Department of Environmental Protection.

If you require additional information, please call.

Sincerely yours,
HALEY & ALDRICH, INC.

Chris G. Harriman, LEP
Senior Environmental Geologist

William F. Kay, Jr., PhD, P.E., LEP
Senior Vice President

cc: Town of Hamden; Attn: Honorable Carl Amento
Halloran & Sage; Attn: Ann Catino

Attachments: Work Plan Table II

RESPONDENT AND PREPARER CERTIFICATIONS

Any document that is submitted to the commissioner of the CTDEP under SRD-128 must be signed by the Respondent (Town of Hamden), or authorized representative of the Respondent, and by the individuals responsible for preparing such a document. Therefore, the Respondent (or agent thereof) and the Preparer (Haley & Aldrich) must sign the following statement:

> *"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense under Section 53a-157b of the Connecticut General Statutes and any other applicable law."*

Carl Amento — Mayor

Name of Respondent or Authorized Representative — Title
Town of Hamden

Signature — 11/2/04

Date

CHRIS G. HARRIMAN — SR. ENV. GEOLOGIST

Name of Preparer — Title
Haley & Aldrich, Inc.

Signature — 10/28/04

Date

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**TABLE II**
SUMMARY OF ANALYTICAL DATA - SOIL
MILL ROCK PARK
HAMDEN, CONNECTICUT

| PARAMETER | Sample ID:<br>Sample Location:<br>Sample Date:<br>Sample Depth(ft.bgs):<br>Sample Type | Residential Direct Exposure Criteria | GA/GAA Pollutant Mobility Criteria | MRP-HA101-MW-S1<br>MRP-HA101-MW<br>9-Aug-02<br>0-2<br>EF | MRP-HA101-MW-S2<br>MRP-HA101-MW<br>9-Aug-02<br>2-4<br>DRF | MRP-HA101-MW-S3<br>MRP-HA101-MW<br>9-Aug-02<br>5-7<br>DRF | MRP-HA101-MW-S4A<br>MRP-HA101-MW<br>9-Aug-02<br>7-8<br>DRF | MRP-HA101-MW-S4B<br>MRP-HA101-MW<br>9-Aug-02<br>8-8.8<br>AD | MRP-HA102-S1<br>MRP-HA102<br>12-Aug-02<br>0-2<br>EF |
|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | ND | ND | ND | ND | --- | ND |
| **SEMI-VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | | | | | | |
| Naphthalene | | 1000000 | 5600 | ND | 1000 | 290 | ND | ND | 780 |
| Acenaphthylene | | 1000000 | 8400 | 330 | 450 | 1000 | 280 | ND | 310 |
| Acenaphthene | | 1000000 | 8400 | ND | 1500 | ND | ND | ND | ND |
| Fluorene | | 1000000 | 5600 | ND | 1600 | 300 | ND | ND | ND |
| Phenanthrene | | 1000000 | 4000 | 1200 | 15000 | 4500 | 1400 | ND | 780 |
| Anthracene | | 1000000 | 40000 | 340 | 3100 | 1300 | 350 | ND | 250 |
| Carbazole | | 31000 | 1000 | 230 | 4700 | 760 | ND | --- | ND |
| Fluoranthene | | 1000000 | 5600 | 2300 | 17000 | 8400 | 3200 | ND | 2100 |
| Pyrene | | 1000000 | 4000 | 2200 | 15000 | 7500 | 2900 | ND | 1800 |
| Benzo[a]anthracene | | 1000 | 1000 | 1100 | 8100 | 3700 | 1300 | ND | 1100 |
| Chrysene | | 84000 | 1000 | 1300 | 8800 | 3800 | 1300 | ND | 1200 |
| bis(2-Ethylhexyl)phthalate | | 44000 | 1000 | ND | ND | ND | ND | --- | 1400 |
| Benzo[b]fluoranthene | | 1000 | 1000 | 1800 | 12000 | 5500 | 1800 | ND | 1800 |
| Benzo[k]fluoranthene | | 8400 | 1000 | 740 | 4700 | 2300 | 810 | ND | 740 |
| Benzo[a]pyrene | | 1000 | 1000 | 1400 | 8500 | 4500 | 1500 | ND | 1400 |
| Indeno[1,2,3-cd]pyrene | | 1000 | 1000 | 980 | 5400 | 3100 | 1000 | ND | 910 |
| Dibenz[a,h]anthracene | | 1000 | 1000 | 230 | 1400 | 690 | ND | ND | 210 |
| Benzo[g,h,i]perylene | | 1000000 | 4200 | 810 | 4200 | 2600 | 830 | ND | 730 |
| **CHLORINATED PESTICIDES (ug/kg):** | | | | | | | | | |
| 4,4-DDE | | 1800 | NE | ND | ND | ND | ND | --- | ND |
| **POLYCHLORINATED BIPHENYLS (ug/kg):** | | 1 | 0.0005 | ND | ND | ND | ND | --- | ND |
| **TOTAL PETROLEUM HYDROCARBONS (mg/kg):** | | 500 | 500 | 120 | 330 | ND | 230 | --- | 110 |
| **TOTAL METALS (mg/kg):** | | | | | | | | | |
| Antimony | | 27 | -- | ND | 2.7 | ND | 9.7 | --- | ND |
| Arsenic | | 10 | -- | 5 | 7.8 | 5.5 | 9.7 | 1.4 | ND |
| Beryllium | | 2 | -- | ND | ND | ND | ND | --- | 4.7 |
| Cadmium | | 34 | -- | ND | ND | ND | ND | --- | ND |
| Copper | | 2500 | -- | 40 | 400 | 32 | 260 | --- | 12 |
| Cyanide | | 1400 | -- | ND | ND | ND | ND | --- | ND |
| Hexavalent Chromium | | 100 | -- | ND | ND | ND | ND | --- | ND |
| Lead | | 400 | -- | 130 | 390 | 29 | 870 | 23 | 580 |
| Nickel | | 1400 | -- | 8 | 9.2 | 8.9 | 13 | --- | 790 |
| Selenium | | 340 | -- | ND | ND | ND | 3 | --- | 1.5 |
| Silver | | 340 | -- | ND | 5.4 | ND | ND | --- | 88 |
| Thallium | | 5.4 | -- | ND | ND | ND | ND | --- | ND |
| Mercury | | 20 | -- | 0.53 | 0.22 | ND | 0.23 | --- | 0.82 |
| Zinc | | 20000 | -- | 110 | 320 | 120 | 560 | --- | ND |
| **SPLP METALS (mg/l):** | | | | | | | | | |
| Arsenic | | -- | 0.05 | --- | --- | --- | --- | --- | --- |
| Lead | | -- | 0.015 | --- | --- | --- | --- | --- | --- |
| **TOTAL CYANIDE (mg/kg):** | | 1400 | NE | ND | ND | ND | ND | --- | ND |

See notes on page 5

**TABLE II**
SUMMARY OF ANALYTICAL DATA - SOIL
MILL ROCK PARK
HAMDEN, CONNECTICUT

| PARAMETER | Sample ID: / Sample Location: / Sample Date: / Sample Depth(ft.bgs): / Sample Type | Residential Direct Exposure Criteria | GA/GAA Pollutant Mobility Criteria | MRP-HA102-S2 MRP-HA102 12-Aug-02 2-4 DRF | MRP-HA102-S3 MRP-HA102 12-Aug-02 5-7 DRF | MRP-HA102-S4 MRP-HA102 12-Aug-02 7.5-9 GD | MRP-HA103-MW-S1 MRP-HA103-MW 12-Aug-02 0-2 EF | MRP-HA103-MW-S2 MRP-HA103-MW 12-Aug-02 2-4 DRF | MRP-HA103-MW-S3 MRP-HA103-MW 12-Aug-02 5-6.5 DRF | MRP-HA103-MW-S4 MRP-HA103-MW 9-Aug-02 7-9 AD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | ND | ND | --- | ND | ND | ND | --- |
| **SEMI-VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | | | | | | | |
| Naphthalene | | 1000000 | 5600 | ND | ND | ND | ND | ND | ND | --- |
| Acenaphthylene | | 1000000 | 8400 | ND | 360 | ND | ND | ND | ND | --- |
| Acenaphthene | | 1000000 | 8400 | ND | ND | ND | ND | ND | ND | --- |
| Fluorene | | 1000000 | 5600 | ND | ND | ND | ND | ND | ND | --- |
| Phenanthrene | | 1000000 | 4000 | 2600 | 1000 | ND | 380 | 480 | ND | --- |
| Anthracene | | 1000000 | 40000 | 330 | 370 | ND | 200 | ND | ND | --- |
| Carbazole | | 31000 | 1000 | 360 | ND | --- | ND | ND | ND | --- |
| Fluoranthene | | 1000000 | 5600 | 3100 | 2800 | ND | 880 | 1000 | 210 | --- |
| Pyrene | | 1000000 | 4000 | 3400 | 2600 | ND | 830 | 950 | 220 | --- |
| Benzo[a]anthracene | | 1000 | 1000 | **1300** | **1400** | ND | 470 | 460 | ND | --- |
| Chrysene | | 84000 | 1000 | **1800** | **1600** | ND | 550 | 550 | ND | --- |
| bis(2-Ethylhexyl)phthalate | | 44000 | 1000 | ND | ND | --- | ND | ND | ND | --- |
| Benzo[b]fluoranthene | | 1000 | 1000 | **1900** | **2400** | ND | 960 | 840 | 220 | --- |
| Benzo[k]fluoranthene | | 8400 | 1000 | 760 | 950 | ND | 360 | 390 | ND | --- |
| Benzo[a]pyrene | | 1000 | 1000 | **1600** | **1800** | ND | 720 | 650 | ND | --- |
| Indeno[1,2,3-cd]pyrene | | 1000 | 1000 | 910 | **1200** | ND | 640 | 470 | ND | --- |
| Dibenz[a,h]anthracene | | 1000 | 1000 | 220 | 260 | ND | ND | ND | ND | --- |
| Benzo[g,h,i]perylene | | 1000000 | 4200 | 780 | 930 | ND | 550 | 410 | ND | --- |
| **CHLORINATED PESTICIDES (ug/kg):** | | | | | | | | | | |
| 4,4-DDE | | 1800 | NE | ND | ND | --- | 73 | ND | ND | --- |
| **POLYCHLORINATED BIPHENYLS (ug/kg):** | | 1 | 0.0005 | ND | ND | --- | ND | ND | ND | --- |
| **TOTAL PETROLEUM HYDROCARBONS (mg/kg):** | | 500 | 500 | ND | 210 | --- | ND | ND | ND | --- |
| **TOTAL METALS (mg/kg):** | | | | | | | | | | |
| Antimony | | 27 | -- | 4 | 2 | --- | ND | ND | 10 | --- |
| Arsenic | | 10 | -- | **11** | 6.8 | ND | 7.5 | **12** | **20** | ND |
| Beryllium | | 2 | -- | ND | ND | --- | ND | ND | ND | --- |
| Cadmium | | 34 | -- | ND | ND | --- | ND | ND | ND | --- |
| Copper | | 2500 | -- | 97 | 40 | --- | 22 | 8.8 | 96 | --- |
| Cyanide | | 1400 | -- | ND | ND | --- | ND | ND | ND | --- |
| Hexavalent Chromium | | 100 | -- | ND | ND | --- | ND | ND | ND | --- |
| Lead | | 400 | -- | **910** | 340 | 3.9 | 33 | 21 | **580** | 6 |
| Nickel | | 1400 | -- | 11 | 13 | --- | 10 | 3.4 | 23 | --- |
| Selenium | | 340 | -- | ND | ND | --- | ND | ND | 5.1 | --- |
| Silver | | 340 | -- | ND | ND | --- | ND | ND | 2.3 | --- |
| Thallium | | 5.4 | -- | ND | ND | --- | ND | ND | ND | --- |
| Mercury | | 20 | -- | ND | 0.44 | --- | ND | 0.31 | 0.26 | --- |
| Zinc | | 20000 | -- | 570 | 450 | --- | 43 | 120 | 2500 | --- |
| **SPLP METALS (mg/l):** | | | | | | | | | | |
| Arsenic | | -- | 0.05 | --- | --- | --- | --- | --- | ND | --- |
| Lead | | -- | 0.015 | --- | --- | --- | --- | --- | ND | --- |
| **TOTAL CYANIDE (mg/kg):** | | 1400 | NE | ND | ND | --- | ND | ND | ND | --- |

See notes on page 5

TABLE II
SUMMARY OF ANALYTICAL DATA - SOIL
MILL ROCK PARK
HAMDEN, CONNECTICUT

| PARAMETER | Sample ID:<br>Sample Location:<br>Sample Date:<br>Sample Depth(ft.bgs):<br>Sample Type | Residential Direct Exposure Criteria | GA/GAA Pollutant Mobility Criteria | MRP-HA104-S1<br>MRP-HA104<br>12-Aug-02<br>0.5-2<br>DRF | MRP-HA104-S2<br>MRP-HA104<br>12-Aug-02<br>2-4<br>DRF | MRP-HA104-S3<br>MRP-HA104<br>12-Aug-02<br>5-6.5<br>DRF | MRP-HA104-S4<br>MRP-HA104<br>12-Aug-02<br>7-9<br>AD | MRP-HA105-S1<br>MRP-HA105<br>12-Aug-02<br>1-2<br>DRF | MRP-HA105-S2<br>MRP-HA105<br>12-Aug-02<br>2-4<br>DRF |
|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | ND | ND | ND | --- | ND | ND |
| **SEMI-VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | | | | | | |
| Naphthalene | | 1000000 | 5600 | ND | 510 | 210 | ND | ND | 270 |
| Acenaphthylene | | 1000000 | 8400 | 260 | 1900 | 360 | ND | 530 | 920 |
| Acenaphthene | | 1000000 | 8400 | ND | 730 | ND | ND | ND | ND |
| Fluorene | | 1000000 | 5600 | ND | 1700 | ND | ND | ND | 270 |
| Phenanthrene | | 1000000 | 4000 | 1000 | 9500 | 570 | ND | 660 | 5300 |
| Anthracene | | 1000000 | 40000 | 310 | 3200 | 320 | ND | 400 | 980 |
| Carbazole | | 31000 | 1000 | ND | 490 | ND | --- | ND | 740 |
| Fluoranthene | | 1000000 | 5600 | 2200 | 9300 | 1600 | ND | 2000 | 9500 |
| Pyrene | | 1000000 | 4000 | 1900 | 14000 | 1800 | ND | 2300 | 8400 |
| Benzo[a]anthracene | | 1000 | 1000 | 1100 | 5700 | 890 | ND | 1300 | 4300 |
| Chrysene | | 84000 | 1000 | 1200 | 6300 | 1100 | ND | 1600 | 4500 |
| bis(2-Ethylhexyl)phthalate | | 44000 | 1000 | ND | ND | ND | --- | ND | ND |
| Benzo[b]fluoranthene | | 1000 | 1000 | 1600 | 6800 | 1700 | ND | 2400 | 8200 |
| Benzo[k]fluoranthene | | 8400 | 1000 | 690 | 2700 | 720 | ND | 980 | 3300 |
| Benzo[a]pyrene | | 1000 | 1000 | 1200 | 6500 | 1400 | ND | 1800 | 6200 |
| Indeno[1,2,3-cd]pyrene | | 1000 | 1000 | 790 | 2800 | 850 | ND | 1100 | 3800 |
| Dibenz[a,h]anthracene | | 1000 | 1000 | ND | 640 | ND | ND | 270 | 1100 |
| Benzo[g,h,i]perylene | | 1000000 | 4200 | 640 | 2400 | 720 | ND | 990 | 3300 |
| **CHLORINATED PESTICIDES (ug/kg):** | | | | | | | | | |
| 4,4-DDE | | 1800 | NE | ND | ND | ND | --- | ND | ND |
| **POLYCHLORINATED BIPHENYLS (ug/kg):** | | 1 | 0.0005 | ND | ND | ND | --- | ND | ND |
| **TOTAL PETROLEUM HYDROCARBONS (mg/kg):** | | 500 | 500 | 110 | 260 | ND | --- | 390 | 690 |
| **TOTAL METALS (mg/kg):** | | | | | | | | | |
| Antimony | | 27 | -- | ND | 4.9 | ND | --- | 5.8 | 7.4 |
| Arsenic | | 10 | -- | 1.3 | 13 | ND | --- | 7.3 | 17 |
| Beryllium | | 2 | -- | ND | ND | ND | --- | ND | ND |
| Cadmium | | 34 | -- | ND | ND | ND | --- | ND | ND |
| Copper | | 2500 | -- | 17 | 110 | 5.4 | --- | 61 | 140 |
| Cyanide | | 1400 | -- | ND | ND | ND | --- | ND | ND |
| Hexavalent Chromium | | 100 | -- | ND | ND | ND | --- | ND | ND |
| Lead | | 400 | -- | 29 | 650 | 7.5 | --- | 140 | 1300 |
| Nickel | | 1400 | -- | 4.9 | 11 | 2.1 | --- | 7.8 | 30 |
| Selenium | | 340 | -- | ND | 1.9 | ND | --- | 4.9 | 8.9 |
| Silver | | 340 | -- | ND | ND | ND | --- | ND | ND |
| Thallium | | 5.4 | -- | ND | ND | ND | --- | ND | ND |
| Mercury | | 20 | -- | ND | ND | ND | --- | 0.33 | 1 |
| Zinc | | 20000 | -- | 49 | 510 | 6.8 | --- | 310 | 580 |
| **SPLP METALS (mg/l):** | | | | | | | | | |
| Arsenic | | -- | 0.05 | --- | --- | --- | --- | --- | ND |
| Lead | | -- | 0.015 | --- | --- | --- | --- | --- | ND |
| **TOTAL CYANIDE (mg/kg):** | | 1400 | NE | ND | ND | ND | --- | ND | ND |

See notes on page 5

**TABLE II**
SUMMARY OF ANALYTICAL DATA - SOIL
MILL ROCK PARK
HAMDEN, CONNECTICUT

| PARAMETER | Sample ID:<br>Sample Location:<br>Sample Date:<br>Sample Depth(ft.bgs):<br>Sample Type | Residential Direct Exposure Criteria | GA/GAA Pollutant Mobility Criteria | MRP-HA105-S3<br>MRP-HA105<br>12-Aug-02<br>5-7<br>DRF | MRP-HA105-S4<br>MRP-HA105<br>12-Aug-02<br>7-9<br>AD | MRP-HA106-S1<br>MRP-HA106<br>12-Aug-02<br>0-2<br>DRF | MRP-HA106-S2<br>MRP-HA106<br>12-Aug-02<br>2-4<br>DRF | MRP-HA106-S3<br>MRP-HA106<br>12-Aug-02<br>5-6.5<br>DRF | MRP-HA107-MW-S1<br>MRP-HA107-MW<br>9-Aug-02<br>0-2<br>EF | MRP-HA107-MW-S2<br>MRP-HA107-MW<br>9-Aug-02<br>2-4<br>EF |
|---|---|---|---|---|---|---|---|---|---|---|
| **VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | ND | --- | ND | ND | ND | ND | ND |
| **SEMI-VOLATILE ORGANIC COMPOUNDS (ug/kg):** | | | | | | | | | | |
| Naphthalene | | 1000000 | 5600 | ND | --- | ND | ND | ND | ND | ND |
| Acenaphthylene | | 1000000 | 8400 | ND | --- | ND | 670 | ND | ND | ND |
| Acenaphthene | | 1000000 | 8400 | ND | --- | ND | ND | ND | ND | ND |
| Fluorene | | 1000000 | 5600 | ND | --- | ND | 270 | ND | ND | ND |
| Phenanthrene | | 1000000 | 4000 | ND | --- | 1100 | 4000 | ND | ND | ND |
| Anthracene | | 1000000 | 40000 | ND | --- | 240 | 820 | ND | ND | ND |
| Carbazole | | 31000 | 1000 | ND | --- | ND | 430 | ND | ND | ND |
| Fluoranthene | | 1000000 | 5600 | 250 | --- | 1600 | **6100** | ND | ND | ND |
| Pyrene | | 1000000 | 4000 | 220 | --- | 1400 | **5000** | ND | ND | ND |
| Benzo[a]anthracene | | 1000 | 1000 | ND | --- | 710 | **2600** | ND | ND | ND |
| Chrysene | | 84000 | 1000 | ND | --- | 780 | **2700** | ND | ND | ND |
| bis(2-Ethylhexyl)phthalate | | 44000 | 1000 | ND | --- | ND | ND | ND | ND | ND |
| Benzo[b]fluoranthene | | 1000 | 1000 | ND | --- | **1300** | **4500** | ND | ND | ND |
| Benzo[k]fluoranthene | | 8400 | 1000 | ND | --- | 570 | **2100** | ND | ND | ND |
| Benzo[a]pyrene | | 1000 | 1000 | ND | --- | **1000** | **3500** | ND | ND | ND |
| Indeno[1,2,3-cd]pyrene | | 1000 | 1000 | ND | --- | 650 | **2100** | ND | ND | ND |
| Dibenz[a,h]anthracene | | 1000 | 1000 | ND | --- | ND | 620 | ND | ND | ND |
| Benzo[g,h,i]perylene | | 1000000 | 4200 | ND | --- | 570 | 1700 | ND | ND | ND |
| **CHLORINATED PESTICIDES (ug/kg):** | | | | | | | | | | |
| 4,4-DDE | | 1800 | NE | ND | --- | ND | ND | ND | ND | ND |
| **POLYCHLORINATED BIPHENYLS (ug/kg):** | | 1 | 0.0005 | ND | --- | ND | ND | ND | ND | ND |
| **TOTAL PETROLEUM HYDROCARBONS (mg/kg):** | | 500 | 500 | ND | --- | 350 | **2300** | 240 | ND | ND |
| **TOTAL METALS (mg/kg):** | | | | | | | | | | |
| Antimony | | 27 | -- | 2.6 | --- | ND | 6.4 | ND | ND | ND |
| Arsenic | | 10 | -- | 7.7 | 1.1 | 3.4 | 7.3 | 3.1 | ND | ND |
| Beryllium | | 2 | -- | ND | --- | ND | ND | ND | ND | ND |
| Cadmium | | 34 | -- | 26 | --- | ND | ND | ND | ND | ND |
| Copper | | 2500 | -- | 85 | --- | 29 | 210 | 29 | 14 | 4.6 |
| Cyanide | | 1400 | -- | ND | --- | ND | ND | ND | ND | ND |
| Hexavalent Chromium | | 100 | -- | ND | --- | ND | ND | 40 | ND | ND |
| Lead | | 400 | -- | 160 | 6.7 | 120 | **620** | 100 | 6.9 | 9.8 |
| Nickel | | 1400 | -- | 7.5 | --- | 6 | 13 | 7.3 | 3.3 | 2.2 |
| Selenium | | 340 | -- | 2.3 | --- | ND | 1.6 | ND | ND | ND |
| Silver | | 340 | -- | ND | --- | ND | ND | ND | ND | ND |
| Thallium | | 5.4 | -- | ND | --- | ND | ND | ND | ND | ND |
| Mercury | | 20 | -- | ND | --- | 0.98 | 0.45 | 0.21 | ND | ND |
| Zinc | | 20000 | -- | 2000 | --- | 99 | 1300 | 91 | 11 | 7.9 |
| **SPLP METALS (mg/l):** | | | | | | | | | | |
| Arsenic | | -- | 0.05 | --- | --- | --- | --- | --- | --- | --- |
| Lead | | -- | 0.015 | --- | --- | --- | --- | --- | --- | --- |
| **TOTAL CYANIDE (mg/kg):** | | 1400 | NE | ND | --- | ND | ND | ND | ND | ND |

See notes on page 5

**TABLE II**
SUMMARY OF ANALYTICAL DATA - SOIL
MILL ROCK PARK
HAMDEN, CONNECTICUT

NOTES:

1. This table includes only those compounds which were detected.
2. RSR criteria means Remedial Standard Regulation criteria established by the Connecticut Department of Environmental Protection (CTDEP)
3. ND means the compound was not detected above the normal minimum laboratory detection limit.
4. NE means no criteria established by CTDEP for listed compound.
5. NA means not applicable.
6. -- indicates analysis not conducted
7. ug/kg means micrograms per kilogram
8. mg/kg means milligrams per kilogram
9. mg/L means milligram per litre.
10. Analytical results as reported above the GAPMC are presented in bold type. Values in a box exceed RDEC.
11. The RSR DEC for lead (400 mg/kg) is based on a proposed revision to the current 500 mg/kg DEC for lead.
12. The above 'Sample Type' was described by Haley & Aldrich, Inc. as the following:

**EF**: Earthen Fill: Soil fill, including topsoil which typically does not contain man-made artifacts but at some locations may contain variable amounts of root matter, cobbles, boulders and construction/demolition debris such as concrete, asphalt and brick
**DRF**: Domestic Refuse Fill: Soil intermixed with products associated with household and/or on-site burning of paper/wood/coal (ash/cinders), intermixed with rusted metal cans and numerous whole bottles and broken glass, various broken ceramic items
**MF**: Miscellaneous Fill: Earthen Fill and/or Domestic Refuse Fill mixed with variable amounts of Industrial Waste Fill
**IWF**: Industrial Waste Fill: Black silt and sand sized particles of slag , with cinders and ash intermixed primarily with wood box fragments, sawdust and/or wood chips, batteries, Winchester-related products, shell casings and furnace bricks.
**AD**: Alluvial Deposits: Organic rich deposits associated with former intermittent watercourse and wetlands.
**GD**: Glaciodeltaic Deposits: Glacial meltwater deposits consisting primarily of sand and silt.