



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD.401-831-5508

April 10, 1998

James Shaffer,
Remedial Project Manager
U.S. Department of the Navy
Northern Division
Naval Facilities Engineering Command
10 Industrial Highway
Code 1823-Mail Stop 82
Lester, PA 19113-2090

RE: Melville North Landfill, Portsmouth, Rhode Island

On 1 April 1998 a meeting was held with representatives from the Rhode Island Department of Environmental Management, the United States Navy, and Melville Marine Industries, concerning the Melville North Landfill. During this meeting regulatory requirements for the site were discussed. Per the Navy's request this Office is providing a written summary of these requirements.

Arsenic

| | |
|-------------|---------|
| Residential | 1.7 ppm |
| Industrial | 3.8 ppm |

The Navy may elect to perform a background study to ascertain whether naturally occurring levels of arsenic exceed the regulatory standard. For purposes of defining background concentrations, samples shall be collected from areas that have the same characteristics as the soil at the contaminated site and meet the definition of background. In order to evaluate or justify available data for the purposes of defining background concentrations, a performing party shall use a statistical method which is appropriate for the distribution of each hazardous substance and such method shall use a minimum of twenty samples.

Lead

| | |
|-------------|---------|
| Residential | 150 ppm |
| Industrial | 500 ppm |

The residential and industrial lead standard is consistent with the Rhode Island Department of Health Standards regulating residual lead in soil.

1687

Total Petroleum Hydrocarbons (TPH)

Residential 500/1000 ppm
Industrial 2500 ppm

Both the residential and commercial TPH standard requires site compliance with all other substances for the classification, in addition to TPH.

Non Aqueous Phase Liquids

The presence of non-aqueous phase liquids in any environmental medium shall be considered a condition which exceeds the Upper Concentration Limits.

Please be advised that the residential criteria is applicable to recreational areas. In addition, the residential standard is applied throughout the vadose zone. The industrial standard is applicable to the top two feet assuming that, amongst other things, the current and reasonably foreseeable future human exposure to soils at the contaminated site is not expected to occur beyond a depth of two feet below ground surface and environmental land usage restriction is in effect with respect to the property. The Non Aqueous Phase Liquids criteria is applicable to both the vadose and saturated zones.

If the Navy has any questions concerning the above, please contact this Office at (401) 277-2797 ext. 7111.

Sincerely,



Paul Kulpa, Project Manager
Office of Waste Management

cc: Warren S. Angell, DEM OWM
Claude Cote, DEM, LS
Richard Gottlieb, DEM OWM
Kevin Koyle, NETC
Richard Hood, MMI
Steven McInnis, MMI