

SECTION 4.0 REMEDIAL ACTIONS

4.1 REMEDY SELECTION

This section outlines the selected remedies for OU1 and OU2.

4.1.1 Operable Unit 1

The EPA ROD for Sullivan's Ledge OU1 was issued on June 29, 1989. The remedial action objectives (RAOs) listed in the ROD are:

- Prevent or mitigate the continued release of hazardous substances to the unnamed stream, Middle Marsh, and Apponagansett Swamp;
- Reduce risks to human health associated with direct contact with and incidental ingestion of contaminants in the surface and subsurface soils;
- Reduce risks to animal and aquatic life associated with the contaminated surface soils and sediments;
- Reduce the volume, toxicity, or mobility of the hazardous contaminants;
- Maintain air quality at protective levels for on-site workers and nearby residents during site remediation;
- Reduce further migration of groundwater contamination from the quarry pits in the upper 150 feet of the bedrock groundwater flow system;
- Significantly reduce the mass of contaminants in groundwater located in and immediately adjacent to the quarry pits;
- Provide flushing of groundwater through the pits to encourage continued removal of contaminants at the site; and
- Minimize the threat posed to the environment from contaminant migration in the groundwater and surface water.

The selected remedy for OU1, as identified in the ROD, consisted of the following components. Items related to soil/sediment excavation, treatment, and placement are source control measures. Items related to groundwater collection/treatment are management of migration measures.

- Site Preparation;
- Soil Excavation/Treatment;
- Sediment Treatment;
- Construction of an Impermeable Cap;

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for
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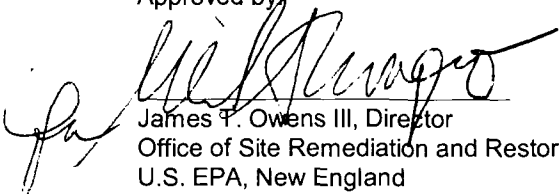
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