sediment, to assist in the development of plans and specifications for treating the material specific to this Site.

- Stabilization. Incineration of PCB-contaminated sediment will produce residual ash. Following incineration, the Toxicity Characteristic Leaching Procedure (TCLP) test will be performed on the ash to determine if it exhibits the characteristic toxicity and is, therefore, considered a hazardous waste under the Resource Conservation and Recovery Act (RCRA). If the TCLP test reveals that the ash is a RCRA hazardous waste, the ash will be solidified such that metals no longer leach from the ash at concentrations that exceed the standards set forth for determining the toxicity of a material.

  EPA investigated the technical feasibility of applying solidification/stabilization technology to New Bedford Harbor sediment in laboratory studies as a part of the EFS. Several processes were examined, and physical and chemical tests were conducted on the material. Additional testing will be conducted during the design process to tailor a solidification process for the treated Hot Spot sediment (ash) and to determine the material's chemical characteristics after treatment.

  During remedial activities, (solidified) ash will be temporarily stored in an area adjacent to the CDF. Following completion of these activities, the (solidified) ash will be stored in the secondary cell of the CDF and covered. Storage of the treated material will comply with the solid waste requirements. Ultimate disposition of this material will be addressed in the second operable unit for the Site.

Estimated Time for Remediation:	1 year
Estimated Direct Capital Cost:	$9,143,700
Estimated Indirect Capital Cost:	$5,235,600
Estimated Total Cost:	$14,379,300

B. Comparative Analysis and Rationale for Selection

The rationale for choosing the selected alternative is based on the assessment of the ability of the alternatives retained for detailed evaluation to satisfy each of the nine evaluation criteria mention above in Section VIII.B of this document. To reiterate, the evaluation criteria are:

1. Overall protection of human health and the environment.

RECORD OF DECISION
REMEDIAL ALTERNATIVE SELECTION

Site Name and Location

New Bedford Harbor/Hot Spot Area
New Bedford, Massachusetts

SDMS DocID 000218788

New Bedford
C-4
218788

Statement of Purpose

This Decision Document presents the selected remedial action for this Site developed in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (CERCLA), and to the extent practicable, the National Contingency Plan (NCP), 40 CFR Part 300 et seq., 50 Federal Register 47912 (November 20, 1985).

The Commonwealth of Massachusetts concurs with the selected remedy. A copy of the concurrence letter is included as Appendix C.

Statement of Basis

This decision is based on the Administrative Record which was developed in accordance with Section 113 (k) of CERCLA and which is available for public review at the information repositories located at the New Bedford Free Library, in New Bedford, Massachusetts, and at the EPA offices at 90 Canal Street in Boston, Massachusetts. Appendix B to this document identifies the items contained in the Administrative Record upon which the selection of this remedial action is based.

Assessment of the Site

Actual or threatened releases of hazardous substances from this portion of the Site, if not addressed by implementing the response action selected in this Record of Decision, may present an imminent and substantial endangerment to public health, welfare or the environment.

Description of the Selected Remedy

The selected remedial action for the New Bedford Site/Hot Spot Area is the Hot Spot Operable Unit, the first of two operable units planned for the New Bedford Harbor Superfund Site. The Hot Spot Operable Unit consists of source control measures, which will also control the continuing migration of contaminants from the Hot Spot to other portions of the Site. The major components of the Hot Spot remedial measures include: