

4. Protect marine life by preventing direct contact with Hot Spot sediments.

The cleanup plan selected in the 1990 OU2 ROD consists of the following components:

1. Dredging about 10,000 cubic yards of hot spot sediments (PCB concentrations ranging from a minimum of 4,000 to over 100,000 ppm);
2. treatment of the large volume of water co-dredged along with the sediments;
3. dewatering the dredged sediments;
4. on-site incineration of the dewatered sediments;
5. stabilization of the incinerator ash (if determined to be necessary); and
6. on-site disposal of the incinerator ash.

In April 1992, EPA issued an ESD to change the storage of ash generated from the incineration of Hot Spot sediments from temporary storage in an on-site CDF to permanent storage in an on-site CDF.

In 1993, due to a vehement reversal in public support for the incineration component of the cleanup plan at about the time the incinerator was being mobilized, EPA agreed to terminate the incineration contract and begin studies of other possible options for treating the Hot Spot sediments. The New Bedford Harbor Superfund Site Community Forum was created in late 1993 to develop a consensus based cleanup plan to replace the on-site incineration component of the original cleanup plan.

During the 1994-95 construction seasons the dredging component of the 1990 Hot Spot remedy decision was implemented. Dredging of about 14,000 cubic-yards in volume and 5 acres in area began in April 1994 and was completed in September 1995.

In October 1995, EPA issued an ESD to document the need for interim storage of the dredged Hot Spot sediments in the Sawyer Street CDF while studies of treatment options other than on-site incineration were conducted.

In December 1997, EPA issued a Hot Spot Feasibility Study Addendum Report which presented the evaluation of the non-incineration treatment options investigated. In August 1998, EPA issued a Proposed Plan to amend the incineration component of the 1990 Hot Spot cleanup plan. The 1998 Proposed Plan called for dewatering the Hot Spot sediments and transporting them to a permitted off-site hazardous waste landfill.

In April 1999, EPA signed an amendment to the 1990 ROD which calls for off-site landfilling instead of on-site incineration. The amended cleanup plan consists of the following activities:

Five-Year Review Report



SDMS DocID 237034

First Five-Year Review Report
for the

New Bedford Harbor Superfund Site

Bristol County, Massachusetts

September 2005

Prepared by the
United States Environmental Protection Agency
Region 1, New England
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09/30/05