

SECTION 6.0 FIVE-YEAR REVIEW PROCESS

This section describes the activities performed during the five-year review process and provides a summary of findings.

6.1 COMMUNITY NOTIFICATION AND INVOLVEMENT

On June 8, 2006, EPA issued a press release to the media outlets and to the Pine Street mailing list announcing that the five-year review was underway. A second press release announcing the outcomes and recommendations of the five-year review will be issued once it has been completed.

6.2 DOCUMENT REVIEW

This five-year review consisted of a review of relevant documents for the Site. See Attachment 2 for a list of documents that were reviewed.

6.3 DATA REVIEW

Performance standards for the remedy include the requirement that the subaqueous cap must prevent contact between underlying contaminants and benthic organisms and fish in the biologically active part of the benthic habitat at ecologically harmful levels; and monitoring of groundwater, surface water, stormwater inflow, sediment transport, and physical and chemical monitoring of the cap to demonstrate compliance with all statutes and regulations identified in the ROD and all requirements of the Consent Decree and RD/RA SOW. The performance standards also include monitoring associated with the aquatic and wetland habitat restoration areas. The performance standard for the institutional controls requires that land use restrictions be established, maintained and, where necessary, enforced. Additional monitoring was performed to assess the impact of NAPL seeps which appeared after construction of the cap.

Three monitoring phases were specified in the ROD: preconstruction, construction/post-construction, and long term-monitoring. This report focuses on post-construction and long-term monitoring as appropriate. Additional monitoring was performed to assess the impact of NAPL seeps which appeared after construction of the cap (see section 6.3.2).

6.3.1 Review of Groundwater, Surface Water, Stormwater Inflow, Sediment Transport, and Cap Physical and Chemical Monitoring Data

6.3.1.1 Groundwater Data Review. Groundwater at the Site is monitored to verify hydraulic conditions, to ensure contaminants do not migrate beyond the Class IV groundwater boundary at concentrations above drinking water Maximum Contaminant Levels (MCLs), and to confirm contaminants are not migrating to Lake Champlain. It should be noted that the Class IV groundwater boundary was recently expanded (January 2006) and some wells that were once outside the boundary are now contained therein. A figure showing the original and new Class IV groundwater boundary is included as Figure 3. Monitoring wells MW-18, MW-21A and B, and MW-24A and B lie outside the Class IV boundary between the Site and Lake Champlain. MW-20 A and B, MW-22A and B, and MW-23A and B are located within

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PREPARED BY:

**United States Environmental Protection Agency
Region 1
Boston, Massachusetts**

Date:

Susan Studlien
Susan Studlien, Director
Office of Site Remediation and Restoration
United States Environmental Protection Agency, Region 1

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