

2.12.2 Description of Selected Remedy

The Selected Remedy includes the following components:

- Conduct additional sediment sampling [i.e., PRD Sediment Sampling] prior to implementation of the remedial action to assess localized contaminant re-distribution resulting from the disruption of the sea floor by Navy construction projects conducted before finalizing this ROD, and within the footprint of the former location of the ex-Saratoga. The areas requiring dredging as part of the OU5 remedy may be revised depending on the sampling results. Details of the PRD Sediment Sampling will be included in a PRD SAP.
- Targeted open water dredging and off-site disposal of dredged sediment to reduce contaminant volume while meeting the cleanup goals on a surface-area weighted average basis.
- Confirmation sampling after dredging to verify that SWACs have reached cleanup goals.
- Installation of an engineered cap under portions of Pier 2 to provide protection from contaminants under the pier without demolition of the pier.
- Implementation of LUCs, including 1) short-term LUCs (i.e., Base instruction and signage) to notify persons that shellfish should not be taken from within the OU until the dredging and capping components of the remedy are completed; 2) permanent LUCs prohibiting unauthorized disturbance of the engineered sand/gravel cap installed at the target sub-pier area - any future proposed work to demolish or restore the pier below the water line or over the capped area that could undermine the cap's integrity would require prior Navy, EPA, and RIDEM concurrence to avoid compromising the cap; and 3) permanent LUCs to minimize the potential for exposure to asbestos potentially present in dredged sediment through development of documented precautionary measures and safe work practices.
- Monitoring to ensure the cap under Pier 2 remains intact and protective.
- Establishing a dewatering area onshore and/or on barges, and treating water from the dewatering process.
- Five-year reviews to assess the protectiveness of the cap component of the remedy and the LUCs established to protect the cap and to address potential asbestos in sediments.

The Selected Remedy will allow for the planned continued use of OU5.

Pre-Remedial Design (PRD) Sediment Sampling

Additional sediment sampling [i.e., PRD Sediment Sampling] will be conducted prior to implementation of the remedial action to assess the contaminant re-distribution resulting from the disruption of the sea floor by Navy construction projects (Pier 2 fender pile replacement, and marginal wharf upgrade) conducted before finalizing this ROD.

PRD Sediment Sampling will also be conducted within the footprint of the former location of the ex-Saratoga which departed from Pier 1 on August 21, 2014 and previously obstructed sediment sample positions. The areas requiring dredging as part of the OU5 remedy may be revised depending on the sampling results and a revised SWAC. Details of the PRD Sediment Sampling will be included in a PRD SAP.

Dredging and Disposal

Dredging will be conducted to a one-foot depth in eleven target areas, and to a two-foot depth in eight target areas (Figure 2-6). Dredging will be conducted over a total area of approximately 251,279 square feet, with an associated dredged volume of approximately 27,646 cubic yards. Dredging in these areas is expected to result in a minor increase in water depths. During dredging operations, silt curtains or other

RECORD OF DECISION

SITE 19 – FORMER DERECKTOR SHIPYARD MARINE SEDIMENT OPERABLE UNIT 5



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