

Final
Amended Site Management Plan
Operable Unit B Marine, Bremerton Naval Complex
Puget Sound Naval Shipyard Superfund Site
June 3, 2025

1. Introduction

This Site Management Plan (SMP) establishes milestones associated with the performance of work and submittal of documents as stipulated in the First Amendment to the Interagency Agreement (IAG) for Operable Unit (OU) B Marine.

2. Format of the SMP

This section defines the procedures used to develop and update the SMP.

2.1 SMP Development

This SMP provides a list of primary response actions, deadlines, near-term and out-year milestones, project end dates, and a schedule for initiation of any planned response action(s) covered by the IAG or the IAG Amendment. The schedule for each site activity is developed using the “Risk Plus Other Factors” Priority Setting as defined in the IAG Amendment Section 6.6(c).

2.2 SMP Update

The Navy will update the SMP no later than June 15 of each year per the requirements of the IAG Amendment Section 6.7. The SMP will provide anticipated milestones for future work necessary to ensure that the environmental impacts associated with past and present activities at the Site are thoroughly investigated and appropriate remedial action is taken as necessary to protect the public health, welfare, and the environment, in accordance with CERCLA, as amended by SARA, the NCP, Superfund Guidance and policy, RCRA, RCRA Guidance and policy, and applicable State Law.

3. Work Schedule

This section describes work completed or underway for OU B Marine.

3.1 Completed Work

The following work is complete and the associated documents have been submitted.

- Final Proposed Plan – March 2000
- Final Record of Decision (ROD), OU B Marine – June 2000
- Interim Sand Cap. Addendum to the Final Project Plan, OU B Marine Remedial Action – May 2001
- Final Remedial Investigation Report, Operable Unit B – March 2002
- Final Feasibility Study Report, Operable Unit B – May 2002
- Final Five-Year Review Record of Decision, Bremerton Naval Complex – October 2002
- Final OU B Marine Post Construction Report and FY00 MCON Project P-338 Closure Report – November 2002.
- Explanation of Significant Differences, OU B Marine – February 2004

- Final 2003 OU B Marine Monitoring Report – February 2006
- Final 2005 Marine Monitoring Report – July 2006
- Final Second Five-Year Review, Bremerton Naval Complex – October 2007
- Final 2007 Marine Monitoring Report – July 2009
- Final Technical Memorandum: Human Health Risk Evaluation of Mercury in Sinclair Inlet Seafood, OU B Marine – August 2010
- Final 2010 Marine Monitoring Report – April 2012
- Final Third Five-Year Review, Puget Sound Naval Shipyard Complex Superfund Site – October 2012
- Final 2013 Sinclair Inlet Marine Monitoring Data Report – February 2015
- Final 2012 OU B Marine Long-term Monitoring Report – January 2016
- Final 2014 OU B Marine Phase 1 Long-term Monitoring Report – February 2016
- Final 2014 OU B Marine Phase 2 Long-term Monitoring Report – November 2016
- Final Supplemental Mercury Investigation Report – February 2017
- Goals and Objectives for Decision Framework Process for PCBs and Mercury in OU B Marine, Bremerton Naval Complex, Puget Sound Naval Shipyard – February 2017
- Final Fourth Five-Year Review, Puget Sound Naval Shipyard Complex Superfund Site – October 2017
- Final OU B Marine Long-term Monitoring Data Evaluation Technical Memorandum: 2003 through 2014 – June 2018
- Final Site Management Plan (SMP) – July 25, 2018
- Final Site Management Plan (SMP) – August 12, 2019
- Final Preliminary Assessment for Per- and Polyfluoroalkyl Substances (PFAS) – July 2020
- Final 2018 OUB Marine Long Term Monitoring Report – August 2020
- Final OUB Marine Institutional Control Plan – September 2020
- Final Site Management Plan (SMP) – 2020
- Final Site Management Plan (SMP) – 2021
- Final Site Management Plan (SMP) – September 2022
- Final Fifth Five-Year Review, Puget Sound Naval Shipyard Complex Superfund Site – October 2022
- Final Site Inspection for Per- and Polyfluoroalkyl Substances (PFAS) – October 2023
- Final Interim Remedial Action Completion Report – January 2024
- A Conceptual Site Model of Contaminant Transport Pathways from the Bremerton Naval Complex to Sinclair Inlet, Washington, 2011–2021 – April 2024

3.2 Fiscal Year (FY) 2025 Work In-Progress

The following is work currently in progress:

In accordance with the recommendations of the 2017 Supplemental Mercury Investigation Report and the 2017 Five Year Review, source control investigations for mercury that began in FY 2018 will continue to be conducted through FY 2025 by the United States Geological Survey (USGS) and Naval Information Warfare Center (NIWC). We added additional investigational areas to the conceptual site model update, and the expected completion date for this work is September 30, 2026.

In addition to the IC Plan, the 2017 Five Year Review also recommended preparation of a source control action memorandum and a focused feasibility study (FFS) to evaluate and implement mercury source control actions and to consider additional remedial actions for total mercury in sediment. The draft source control action memorandum and the draft FFS were completed in May of 2021. Due to the number of comments on the draft document, the stakeholder team worked through comment resolution in a stepwise process. A revised draft FFS for mercury was delivered to stakeholders in January 2023, with a 60-day review period. Due to contract funding availability, there was a delay in responding to stakeholder comments. Additional funding was awarded in July 2023. Responses to comments on the revised draft FFS were finalized and a comment resolution meeting was held in November 2023. Edits were made to the revised draft document in June 2024. The team agreed to call the document “Draft Revision #2” and to shelve the document for now and start the partnering elevation process (otherwise known as Informal Dispute). Due to unknowns related to the Navy’s Multi-Mission Dry Dock (M2D2) construction, the Tier 1, 2, and 3 teams agreed to pause the FFS and focus on source control until the Navy’s plan for M2D2 is public. The Draft Environmental Impact Statement (EIS) for M2D2 is scheduled to go public on July 18, 2025. Additional information may be gathered post-M2D2 to update the conceptual site model and determine potential unacceptable ecological risk. The FFS may be updated at that time. The draft final FFS schedule is to be determined, based on the M2D2 schedule and scope of work. The SMP will be updated as new public information is released.

Source control is the main focus for FY25. A contract for an engineering evaluation and cost analysis (EE/CA) and design for check valve installation at three outfall locations was awarded in FY2025, as well as a contract for the first of three storm water system inspections and cleanings. These items were added to the SMP schedule, Table 1.

3.3 Fiscal Year 2026 and 2027 Planned Activities

The Near-Term and Out-Year Milestones are defined in Table 1. Source control will be a main focus of FY 2026 through FY 2029. The check valve EE/CA is expected to be finalized in early FY26, followed by the check valve design later in FY26. An Action Memorandum to document this non-time critical removal action decision will be finalized in FY27, followed by a contract award to install the check valves in late FY27 or early FY28. Fate and transport modeling, which will be completed by NIWC, will also be updated following the collection of additional data in FY27.

The attached table was developed to track milestones and any alterations to previous SMP schedules.

Final 2025 Site Management Plan
Operable Unit B Marine

Table 1: Near Term Milestones (2025)								
Document Title	Primary / Secondary Document	FY24	FY25	FY26	FY27	FY28	FY29	FY 30+
Mercury Source Control								
Mercury Source Control Tech Memo Updates - Working Document	Secondary	October 2024 ⁷		September 2026 ⁸				
Check Valve Engineering Evaluation/Cost Analysis - Draft	Secondary		June 2025 ⁸					
Check Valve Engineering Evaluation/Cost Analysis - Final	Secondary			October 2025 ⁸				
Non-Time Critical Removal Action - Check Valves- Action Memorandum	Secondary				October 2026 ⁸			
Non-Time Critical Removal Action - Check Valves- Action Memorandum Final	Secondary				June 2027 ⁸			
Check Valve 60% Design - Draft	Secondary			October 2025 ⁸				
Check Valve 60% Design - Final	Secondary			January 2026 ⁸				
Check Valve 100% Design - Draft	Secondary			March 2026 ⁸				
Check Valve 100% Design - Final	Secondary			June 2026 ⁸				
Check Valve Work Plan - Award 2027 [#] Draft	Secondary				Sept 2027 ⁷			
Check Valve Work Plan - Award 2027 [#] Final	Secondary					December 2027 ⁷		
Stormwater Inspection and Cleaning Work Plan #1 - 2025 Draft	Secondary		July 2025 ⁸					
Stormwater Inspection and Cleaning Work Plan #1 - 2025 Final	Secondary		September 2025 ⁸					
Stormwater Inspection and Cleaning Summary Report #1 - 2025 Draft	Secondary			December 2025 ⁸				
Stormwater Inspection and Cleaning Summary Report #1 - 2025 Final	Secondary			April 2026 ⁸				
Stormwater Inspection and Cleaning Work Plan #2 - Award 2026 [#]	Secondary			September 2026 ⁷				
Stormwater Inspection and Cleaning Summary Report #2 - Award 2026 [#]	Secondary				December 2026 ⁸			
Stormwater Inspection and Cleaning Work Plan #3 - Award 2027 [#]	Secondary				Sept 2027 ⁷			
Stormwater Inspection and Cleaning Summary Report #3 - Award 2027 [#]	Secondary					December 2027 ⁸		
Stormwater Repairs Work Plan - Award 2029 [†] Draft	Secondary						June 2029 ⁷	
Stormwater Repairs Work Plan - Award 2029 [#] Final	Secondary						September 2029 ⁷	
Mercury								
USGS Conceptual Site Model Update	Secondary		September 2026					
NIWC Fate and Transport Modeling Update	Secondary			September 2027				
Revised Draft #2 FFS*	Primary	June 2024 ⁷						
Draft Final FFS (post M2D2 Construction)	Primary				April 2027 ⁷			TBD*
Final FFS	Primary				July 2027 ⁷			TBD*
Draft Proposed Plan	Primary					February 2028		TBD ⁺
Final Proposed Plan	Primary					July 2028		TBD ⁺
Draft Decision Document (RODA,IROD)	Primary			December 2025 ⁶		December 2028 ⁷		TBD ⁺
Draft Final RODA, IROD	Primary	October 23 ^{*4}		May 2026 ⁶			May 2029 ⁷	TBD ⁺
Final RODA, IROD	Primary	April 24 ^{*4}		September 2026 ⁶			Sept 2029 ⁷	TBD ⁺
Draft Remedial Action Design	Primary		January 25 ⁴			September 2028		February 2031 ⁷ TBD ⁺
Final Remedial Action Design	Primary		January 25 ⁴				January 2029	June 2031 ⁷ TBD ⁺
Draft Remedial Action Completion Report	Primary	February 2021 [‡]	February-2025 [‡]		February-September 2027 ⁴			December 2034 ⁺
Final Remedial Action Completion Report	Primary	February 2021 [‡]	February-2025 [‡]		February-September 2027 ⁴			June 2035 ⁺

Notes:

⁷ June 2024 SMP

⁸ June 2025 SMP

*Tier 1 through 3 teams agreed to "pause" the FFS progress until a plan for the new multi-mission dry dock (M2D2) is released to the public. Team agreed to focus on source control. FFS dates will be updated as M2D2 progresses.

[#] Assumes project will be awarded at beginning of fiscal year. If funding is delayed, project schedule is subject to change.

[†] Out year schedule will depend on M2D2/SiOP/WI activities and schedule. Dates will need adjustment as more information becomes available.