

## **NOTICE OF COMPLETION OF THE SIXTH FIVE-YEAR REVIEW FOR OPERABLE UNITS 1 AND 2 NAVAL BASE KITSAP-KEYPORT, KEYPORT, WASHINGTON**

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This notice is to inform the public that pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the United States Department of the Navy (Navy) has completed the sixth Five-Year Review of Operable Unit (OU) 1 (Area 1) and OU 2 (Areas 2 and 8) at Naval Base Kitsap-Keyport (NBK-Keyport), Keyport, Washington, to ensure that the environmental remedies at these sites continue to be protective of human health and the environment. Federal law and Navy policy require that a review be conducted no less often than every five years after the initiation of remedial action if the remedy results in hazardous substances remaining on a site above levels that allow for unlimited use and unrestricted exposure. The five-year review included a review of documents describing the monitoring, inspection, and maintenance of the selected remedies conducted during the five-year review period, a review of the data collected through the various monitoring programs and additional investigations performed during the five-year review period, a visual site inspection, and interviews with Navy personnel, regulatory agency personnel, and community members.

The Naval Undersea Warfare Center, now referred to as NBK-Keyport, was added to the National Priorities List (NPL) in October 1989. Cleanup actions have been conducted at several areas within NBK-Keyport OUs 1 and 2 where environmental contamination was identified in the past. OU 1 consists of Area 1 (the former base landfill), and OU 2 consists of the remaining areas of concern (Areas 2, 3, 5, 8, and 9). These sites have undergone environmental investigation and/or remediation to address the potential impacts of contamination to human health and the environment. Based on initial evaluation and investigations, Areas 3, 5, and 9 have been issued "No Further Action" determinations by the U.S. Environmental Protection Agency, as documented in the OU 2 Record of Decision (ROD).

The remedy for OU 1 Area 1 consists of treating volatile organic compound (VOC) hot spots in the landfill using phytoremediation by poplar trees in concert with natural attenuation; removing polychlorinated biphenyl (PCB)-contaminated sediments; upgrading the tide gate and landfill cover; implementing land use controls (LUCs); and conducting long-term monitoring. The five-year review found that the remedy for OU 1 is not protective. Exposure pathways identified in the OU 1 ROD that could result in unacceptable risks are being controlled and monitored via LUCs while further information is being obtained. The ongoing supplemental remedial investigation (SRI) will provide the data to allow evaluation of potential additional removal or remedial action(s) under a focused feasibility study (FFS) that can be taken to address these risks, shorten the overall restoration timeframe, and be protective in the long term.

The selected remedy for OU 2 Area 2 consists of LUCs and groundwater monitoring. The review found that the remedy for OU 2 Area 2 is protective in the short term. Exposure pathways that could result in unacceptable risks are being controlled and monitored via LUCs. The additional monitoring wells installed during this five-year review period show concentrations of trichloroethene (TCE) several times higher than the highest concentrations documented in the OU 2 ROD, even after 30 years of monitoring. Additional work to evaluate the new groundwater data is recommended to update the conceptual site model.

The selected remedy for OU 2 Area 8 includes removal and off-site disposal of impacted soil above the groundwater table, implementing LUCs, and long-term monitoring of groundwater, sediment, and marine biota. The remedy at OU 2 Area 8 is protective of human health; however, it is not protective of ecological receptors based on a finding of unacceptable risk, for which a contingent remedial action has not yet been implemented as required by the ROD. To identify a feasible contingent groundwater control action that will address the ecological risk, the Navy is currently performing an SRI and will be initiating an FFS and/or a removal action in the near future. Once identified and agreed upon by regulators and stakeholders, the Navy will document the selected action(s) in a ROD amendment.

A copy of the final sixth five-year review report is available on the Naval Facilities Engineering Systems Command Northwest website:

<https://pacific.navfac.navy.mil/Facilities-Engineering-Commands/NAVFAC-Northwest/Our-Services/Environmental-Stewardship/Environmental-Restoration/Naval-Base-Kitsap-Keyport/>

**The next five-year review is tentatively scheduled for 2030. For more information, please contact:**

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