

## NAVFAC Portfolio Optimization Initiative for Sites Under the Installation Restoration Program

### ABSTRACT

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The Office of the Secretary of Defense mandates the Response Complete (RC) goals of 90 percent (%) by the Fiscal Year (FY) 2018 and 95% by the FY 2021 on all sites under the Department of Defense Environmental Restoration Program. Approximately **278 active sites** within the Department of the Navy (DON) Installation Restoration Program are projected not meeting the 2021 RC goal. The projected RC dates of these sites range between 2021 and 2061 and the estimated cost to complete (CTC) for the long-term operation and management (RAO/LTM) of these sites in present dollar is \$746million (M), which is equivalent to an average annual cost of \$57.4M. This outlook provides a clear need for a portfolio optimization initiative to shorten the time frame and CTC to meet the RC goals to the extent practicable. The initiative aims at improving the resource utilization efficiency through better and more appropriate use of innovative approach. Subsequently the initiative also leads to cost saving, lower residual site risk, and better sites management.

The initiative has five implementation milestones: 1) preliminary sites evaluation, 2) forming focused sites categories, 3) developing focused teams and common prioritization strategy, 4) detailed optimization, and 5) implementation and feedback. Using deMinimis criteria (the 2021 RC goal compliance, projected RAO/LTM duration, total and annual RAO/LTM CTC, and ratio of total remedial action construction cost to the RAO/LTM CTC), Milestone 1 resulted in 82 sites for optimization. Milestone 2 results in 4 focused sites categories (Pump and Treat and Containment (P&T); In Situ Bioremediation and Monitored Natural Attenuation (ISB/MNA); Capping and Land Use Controls, Non-Bio Treatment; and, Future Remedy). Milestone 3 is currently in progress. Factors considered in the common prioritization strategy are cost efficiency, schedule acceleration, site complexity, and regulatory challenges. Teams consisting of experts from in and outside DON perform the detailed optimization. In FY2015, the initiative targets completing Milestone 4 for two focused categories, P&T and ISB/MNA.

