

This e-mail supports the NAVFAC Environmental Restoration Program with the latest information on policy, guidance, and training related to innovative technologies. Links are provided to Technology Transfer (T2) resources and tools. Our goal is to promote use of innovative technologies, remove barriers to implementing new technologies, and reduce cleanup costs, while remaining protective of the environment and human health.

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NAVFAC Open Environmental Restoration Resources (OER2) Webinar

The NAVFAC Optimization and Technology Innovation Workgroup has developed a strategy to support sites of varying complexity transition from the Remedy-in-Place (RIP) milestone to the Response Complete (RC) milestone. This OER2 webinar series will discuss the RIP/RC strategy along with other relevant policies and tools in light of the current programmatic goals, including the new Navy Environmental Restoration (ER) Program metrics for the RC milestone. Examples will be given for sites of low, moderate, and high complexity to demonstrate the relative timelines and strategies for each type of site. This webinar will be offered in two parts. The first part covered overall strategies for achieving RIP/RC milestones. The second part of the webinar will focus on Navy case studies for sites with increasing complexity.



Topic: Bridging the Gap from RIP to RC: Part 2 Practical Examples

Presenters: Russell Sirabian, NAVFAC EXWC; Michael Singletary, NAVFAC Southeast; and Pamela Chang, Battelle

Date: December 9

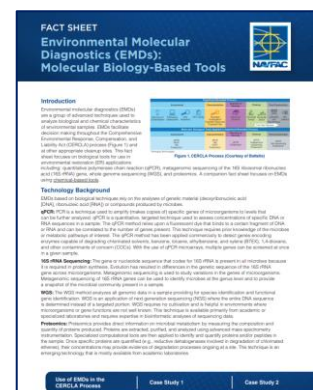
Time: 11 AM PT | 2 PM ET

Register at link below for the WebEx event:

<https://battelle.webex.com/battelle/onstage/g.php?PRID=905359542cc604c93270555d0d7830d8>

NAVFAC Fact Sheet on Environmental Molecular Diagnostics: Molecular Biology-Based Tools

Environmental molecular diagnostics (EMDs) are a group of advanced techniques used to analyze biological and chemical characteristics of environmental samples. This fact sheet focuses on biological tools for use in environmental restoration applications. EMDs based on biological techniques rely on the analyses of genetic material (deoxyribonucleic acid [DNA], ribonucleic acid [RNA]) or compounds produced by microbes. The tools discussed include quantitative polymerase chain reaction (qPCR), metagenomic sequencing of the 16S ribosomal RNA gene, whole genome sequencing, and proteomics. Two Navy case studies provide specific examples of how data can be used to characterize and quantify the changes in the microbial communities over time.



View the fact sheet at:

https://www.navy.mil/content/dam/navfac/Specialty%20Centers/Engineering%20and%20Expeditionary%20Warfare%20Center/Environmental/Restoration/er_pdfs/e/EMD%20Molecular%20Biology%20Based%20Tools%20Fact%20Sheet%2030SEP21%20FINAL%20Rev2.pdf