

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 Fact Sheet: The Importance of Abiotic Transformations in Natural Attenuation of Contaminated Groundwater

Abiotic processes refer to contaminant degradation without the direct involvement of living organisms. An example is reduction of chlorinated organic contaminants using zero-valent iron. In addition, many abiotic transformations are facilitated indirectly by the activity of microbes, a process referred to as biologically-mediated abiotic degradation. Abiotic processes are applicable to a wide range of contaminants, including most chlorinated organic solvents, pesticides, munitions constituents, insensitive munitions, and nitrobenzenes. The focus of this fact sheet is on chlorinated ethenes. For sites where active remediation has been in place for many years, documenting the occurrence of abiotic processes may facilitate a transition to monitored natural attenuation.



View the fact sheet at the link below:

[https://exwc.navy.mil/Portals/88/Documents/EXWC/Restoration/er\\_pdfs/rits/AbioticTransformations\\_FactSheet.pdf?ver=-hJ0IVR-SPNCU6QXm4h7Q%3d%3d](https://exwc.navy.mil/Portals/88/Documents/EXWC/Restoration/er_pdfs/rits/AbioticTransformations_FactSheet.pdf?ver=-hJ0IVR-SPNCU6QXm4h7Q%3d%3d)

## NAVFAC Fact Sheet: Five-Year Review Overview and Addressing Emerging Issues

Five-Year Reviews (FYRs) provide a critical assessment of the ongoing protectiveness of remedies implemented under the Navy's Environmental Restoration Program (ERP). FYRs help to monitor changing site conditions and to ensure that the selected remedy remains protective of human health and the environment. The purpose of this fact sheet is to provide: 1) basic FYR information; 2) direction on conducting a FYR and preparing the associated FYR report; and 3) guidance on emerging issues.

View the fact sheet at the link below:

[https://exwc.navy.mil/Portals/88/Documents/EXWC/Restoration/er\\_pdfs/rits/Final%20Five-Year%20Review\\_%20FactSheet.pdf?ver=0jFI3oTeAfCUwtT1ws6gvg%3d%3d](https://exwc.navy.mil/Portals/88/Documents/EXWC/Restoration/er_pdfs/rits/Final%20Five-Year%20Review_%20FactSheet.pdf?ver=0jFI3oTeAfCUwtT1ws6gvg%3d%3d)

## View Recent NAVFAC Environmental Restoration Webinars

The NAVFAC Open Environmental Restoration Resources (OER2) webinar series covers topics of importance to the Navy's ERP including the latest policies and technology information.

- View the presentations and webinar recordings from the NAVFAC OER2 web page at: <https://exwc.navy.mil/Products-and-Services/Environmental-Security/NAVFAC-Environmental-Restoration-and-BRAC/Training/OER2-Webinars/>
- Or link directly to the NAVFAC ERB YouTube playlist at: <https://www.youtube.com/playlist?list=PLs5WgQtrDryYk61kXOAeqqhF9jH8RmDbL>

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For more information, please contact [EXWC\\_T2@navy.mil](mailto:EXWC_T2@navy.mil) or visit our Web page at: <https://exwc.navy.mil/go/erb>