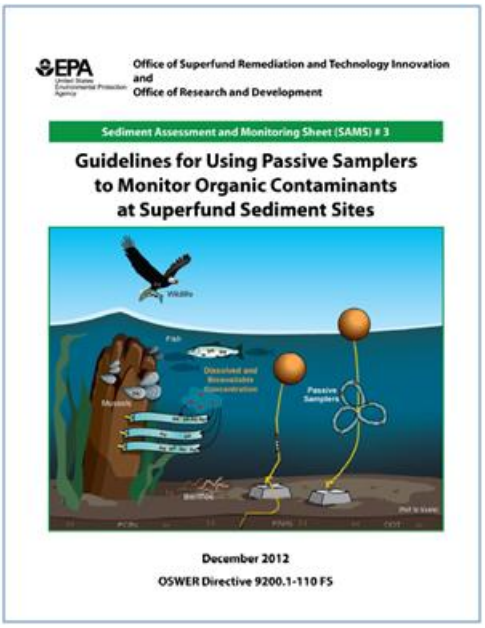
NAVFAC Naval Facilities Engineering Command

Technology Transfer Update

This e-mail is supported by NAVFAC's Alternative Restoration Technology Team (ARTT) to provide links to Technology Transfer (T2) tools and the latest information on policies, guidance, and training related to innovative technologies. The T2 topics highlighted in this issue will help support the ARTT's chartered goals of promoting the use of innovative technologies, removing barriers to implementing new technologies, and reducing cleanup costs, while remaining protective of the environment and human health.

Issue 112 November 4, 2013

Use of Passive Samplers to Monitor Organic Contaminants at Superfund Sediment Sites – EPA Guidelines and Training Archive


EPA Office of Superfund Remediation and Technology Innovation and Office of Research and Development

Sediment Assessment and Monitoring Sheet (SAMS) # 3

Guidelines for Using Passive Samplers to Monitor Organic Contaminants at Superfund Sediment Sites

December 2012

OSWER Directive 9200.1-110 FS

Passive samplers are useful tools for assessing contaminants at CERCLA sites and have only recently been used to monitor sediment sites. The U.S. Environmental Protection Agency (EPA) provided internet-based training on "The Use of Passive Samplers to Monitor Organic Contaminants at Superfund Sediment Sites" on August 26, 2013 and the archive of this presentation is now available at:
http://www.clu-in.org/conf/tio/passsamp_082613/

The webinar introduces the concepts behind passive sampling, the types of passive samplers currently available to monitor dissolved organic contaminants, and the general methods for deployment and analysis. It also discusses the potential uses of passive samplers in the different phases of the CERCLA process and the advantages and disadvantages of their use.

This webinar is based on the Sediment Assessment and Monitoring Sheet (December 2012) on the use of passive samplers (as presented at the Spring 2013 RITS). See link below:
http://www.epa.gov/superfund/health/conmedia/sediment/pdfs/Passive_Sampler_SAMS_Final_Camera_Ready_-_Jan_2013.pdf

ITRC Fact Sheets on Geophysical Classification for Munitions Response

The Interstate Technology & Regulatory Council (ITRC) has prepared two fact sheets to provide basic information about geophysical classification for munitions response.

Geophysical classification involves the use of innovative instruments to process electromagnetic data to detect and classify buried objects. This allows investigators to reliably distinguish between munitions and explosives of concern (MEC) and scrap metal in order to target only ordnance for digging and removal. The Introductory Fact Sheet (October 2012) provides a discussion of background, existing technology, advances in technology, and ongoing technology demonstrations. The Technical Fact Sheet (June 2013) presents an overview of the geophysical classification technology and process, the types of terrestrial sites where this technology may be applicable, and data quality considerations.

http://itrcweb.org/GuidanceDocuments/GCMR-1.pdf