

Best Practices for Risk-Informed Decision Making for DOE Legacy Sites: A National Academies Workshop Series

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THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

Objectives of the Workshops

Department of Energy's Office of Environmental Management asked the National Academies to organize a set of two workshops that would gather experts in remediation to discuss:

- Holistic approaches for remediating sites with multiple contaminant source terms and multiple post-closure uses, including criteria for selecting point-of-compliance and point-of-use monitoring locations.
- Effective post-closure controls, including monitoring, engineered controls (e.g., engineered barriers), and natural controls (natural barriers and passive in situ remediation).
- Approaches for assessing the long-term performance of site remedies and closures, especially technically advanced approaches that reduce performance uncertainties and the need for post-closure controls on land use, resource management, and intruder prevention.
- Approaches for incorporating a sustainability framework into decision-making regarding site remediation, closure, and post-closure control of contaminated sites.

The workshops will also explore best-in-class remediation, closure, and post closure approaches that are being developed and applied by recognized leaders in the community of remediation practice; regulatory practices that promote effective, risk-informed decision-making; and future opportunities to improve these approaches and practices.

Planning Committee Members

Paul Gilman, Chair
Covanta Energy Corporation

Patricia Culligan
Columbia University

Michael Kavanaugh
Geosyntec Consultants

Jeffrey Wong
California Environmental Protection Agency

Overview of Workshops

Workshop #1:

Focused on holistic approaches and incorporating sustainability into remediation decisions

Held October 30-31, 2013

Agenda and presentations are available at:

http://sites.nationalacademies.org/PGA/sustainability/PGA_085849

Workshop #2:

Focused on effective controls and monitoring, approaches for assessing long-term performance, and identifying best practices for making risk-informed decisions

Held January 9-10, 2014

Agenda and presentations are available at:

<http://dels.nas.edu/Past-Events/Best-Practices-Risk-Informed-Remedy/AUTO-8-12-72-G?bname=nrsb>

Request both links by sending an email to jheimberg@nas.edu

Status of Workshop Summary Reports

A summary report will be produced for each workshop.

The summary report is an overview of the workshop's presentations and discussions. It is not a consensus report with findings and recommendations.

The summary reports are expected to be available in two to three months.