

Other Tools Needed to Ensure Sustainability

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**The *Real* Obstacle to Site Completion:
Credible Post-Remediation Sustainable Protection at
Contaminated Sites with Residual Waste
Washington, DC**

Contaminant Information

- What were the contaminants of concern?
- How were they produced?
- What are their risk characteristics?
- How do they react in water, soils and air?
- What were potential exposure pathways?
- Who/what were receptors at highest risk?

Tools

- Conceptual Site Model (CSM)
- Geospatial data and maps
- Human and ecological risk analysis
- Remediation strategy developed with stakeholder input
- Long-term surveillance and monitoring plan developed with stakeholder input

Remediation Strategy

- Contaminant disposal pathway – source removal, in-situ/ex-situ treatment, permanent geological containment, on-site containment cell, capping, barriers, etc.
- Engineering and institutional controls
- Land use
- Follow-on LTS & M program

Tools

- Conceptual Site Model (CSM)
- Geospatial data and maps
- Post closure human and ecological risk analysis
- Physical records, signs, monuments
- Public outreach and education
- Physical site inspection and review of engineering and institutional controls