

Navy's Approach to Large and Dilute Plumes
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Large dilute groundwater plumes continue to be expensive and difficult to remediate. In this presentation, Navy's approach to large dilute chlorinated solvent plume management will be discussed, focusing on the unique problems associated with dilute groundwater plumes from site evaluation to remediation. This presentation will cover: 1) site evaluation including residual sources (e.g., matrix diffusion effects), 2) risk management including risk-based approaches such as risk-based corrective-action and alternative clean up goals; and novel assessment methods (e.g., mass flux monitoring), 3) remediation strategies with discussion of performance objectives and exit strategies; and 4) sustainability issues related to managing these plumes. Key technical guidance documents such as the Groundwater Risk Management Handbook and other Navy developed resources such as the Vapor Intrusion Evaluation Tool and Sitewise will be introduced.