

Lessons Learned Applying Multiple Remediation Technologies at Air Force Plant 4

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- Air Force Plant 4 near Ft. Worth, Texas, has been undergoing remediation since 1993, with multiple technologies applied to remediate TCE as DNAPL and as dissolved-phase plumes.
- The Air Force initiated a complex site initiative (CSI) that entailed a thorough data review and remedial approach assessments to: determine the current conditions of the sites undergoing remediation; determine if sites can achieve remedial objectives within a reasonable timeframe; and, formulate the basis for moving the sites towards their remedial goal.
- Lessons learned from the CSI evaluation included: the need for comprehensive CSMs when dealing with complex sites; performance monitoring must include the parameters necessary to not only demonstrate performance, but to understand the underlying reasons for less than expected results; and, and technology guidance documents, many of which are available on the internet, can be a useful tool to ensure proper technology selection, design, operation, monitoring and performance assessment.