

PROJECTS FOR THE SUBSURFACE CONTAMINANTS FOCUS AREA

The CMST-CP, working closely with the Subsurface Contaminants Focus Area (SCFA) and using documents from all DOE sites (e.g., Technology Development Needs Statements, Site Technology Deployment Plans, and site cleanup schedules and plans), has identified the following areas for needed technology development:

- Improved methods to determine the location and distribution of Dense Non-Aqueous Phase Liquids (DNAPL) contamination.
- Subsurface contaminant sensors and sampling tools.
- Monitoring technologies for the emplacement and effectiveness of subsurface barriers.
- On-line monitors for remedial operations.
- *In situ* sensors for long-term monitoring of containment systems.
- Contaminant fate and transport.
- Improved field characterization and monitoring techniques.

All new projects related to the characterization or monitoring of subsurface contaminants are jointly evaluated by both the CMST-CP and the SCFA. Similarly, ongoing projects are jointly reviewed each year by the CMST-CP and SCFA to assess their progress. In FY 2000, the CMST-CP is funding five projects in the SCFA category and there are two carryover projects from FY 1999 (TTPs AL27C221 and SF24C223). Summaries of those technology projects follow.