

PROJECTS FOR THE PLUTONIUM FOCUS AREA

The CMST-CP, working closely with the Plutonium Focus Area (PFA) 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:

- Non-destructive assay (NDA)/non-destructive evaluation (NDE) techniques for monitoring the internal pressure of containers used for the storage of plutonium (Pu) and other nuclear materials.
- Monitors for assaying and evaluating Pu on melted scrap metal to determine whether it can be released for reuse or recycling.
- Monitoring technologies for the stabilization of Pu and other materials before disposal or placement in interim storage.

All new projects related to the detection, monitoring, assay, and evaluation of Pu are jointly evaluated by both the CMST-CP and the PFA. Similarly, ongoing projects are jointly reviewed each year by the CMST-CP and PFA to assess their progress. In FY 1998, the CMST-CP is funding one project in the PFA category. A summary of this technology follows.