



radioactive areas. Also, the actual approach may be modified depending on the end use planned for the West Jefferson buildings.

At the Fernald Environmental Management Project, the scope, cost, and schedule reflected in *Paths to Closure* are as documented in the project baseline. The principal work scope in the baseline after FY 2005 is directly related to the Silos Project, Facilities Shutdown, Decontamination and Decommissioning, and associated Program Support and Oversight activities. The most significant challenge Fernald faces in accomplishing the Ohio 2005 Vision is accelerating the Silos Project. Once the Fernald Environmental Management Project is completed, the only remaining activities include closure of the On-Site Disposal Facility, finalization of waste management activities and closure of facilities, and in-process groundwater monitoring.

At the Ashtabula Environmental Management Project, the remediation work scope of the RMI Extrusion facility will involve the deactivation of 25 on-site buildings and decontamination and/or demolition of 21; remediation of legacy waste and associated equipment; excavation and treatment/processing of radiologically contaminated soils; and ex-situ vapor stripping of groundwater.

At the West Valley Demonstration Project, the baseline consists of four projects. The first project encompasses the work scope involved in the solidification of high-level waste into borosilicate glass using vitrification. Following this, the WVDP plans to process the tank residual high activity waste. The second project encompasses activities required for removal of high-level waste canisters and transuranic waste from project facilities, disposal of low-level waste and mixed low-level waste in accordance with the Act and Stipulation of Compromise as

directed by the final Environmental Impact Statement Record of Decision, and disposition of the remaining project responsibilities. The third project encompasses the work scope involved with the removal of the existing spent nuclear fuel inventory from the site. The fourth project encompasses the general mission and support cost estimates relating to project management, human resources, program planning, Chief Financial Officer, procurement, financial control, information services, training, records management, legal and program reporting functions. These four projects make up the work scope for the West Valley Demonstration Project.

At the Miamisburg Environmental Management Project, the work scope encompasses facility stabilization, disposition of excess nuclear material and ancillary equipment, environmental restoration, decommissioning, and waste management. The disposition of nuclear materials, including tritium, is targeted for completion in FY 1998.

The sections below describe the major waste, material, and contaminated media volumes to be addressed by the Ohio Field Office. The volumes reported are approximate, and correspond to the major waste, material, and media flows, potential treatment processes, and off-site disposal destinations presented in Exhibit E-47, the Ohio Field Office Conceptual Summary Disposition Map.

### **Transuranic Waste**

- Approximately 770 cubic meters of transuranic waste are currently in inventory and 24 cubic meters are expected to be generated over the life cycle of operations. After characterization, compaction, and packaging, 250 cubic meters are expected to be disposed of at the Waste Isolation Pilot Plant (WIPP), and a remaining 550 cubic meters are expected to be disposed of at a currently undetermined facility.

### **High-level Waste**

- Approximately 2,200 cubic meters of high-level waste currently in inventory, will be washed and vitrified. After vitrification, 250 cubic meters are expected to be disposed of at a geologic repository.

### **Other Waste**

- Approximately 220 cubic meters of mixed low-level waste are currently in inventory and 38 cubic meters are expected to be generated over the life cycle of operations. After treatment, 9.3 cubic meters are expected to be disposed of at an off-site commercial facility, 1.8 cubic meters are expected to be disposed of at a waste water disposal facility, and 45 cubic meters are expected to be disposed of at an undetermined facility.