

- Approximately 16,000 cubic meters of low-level waste are currently in inventory and 1,300 cubic meters are expected to be generated over the life cycle of operations. After treatment, 4,400 cubic meters are expected to be disposed of at an undetermined facility.

Remedial Action and Facility D&D

- There are approximately 2,300 cubic meters of hazardous contaminated environmental media which will be disposed of at an off-site commercial disposal facility.
- Approximately 48 million cubic meters of mixed low-level and low-level contaminated environmental media, including groundwater, will go through treatment, incineration, and/or stabilization. Approximately 1.6 million cubic meters of waste are expected to be disposed of on site at Fernald, and approximately 46 million cubic meters of treated water will be discharged. Additional volumes of waste are expected to be disposed of at a DOE site, a commercial facility, or an undetermined location.
- Approximately 370 cubic meters of environmental media contaminated with transuranic elements will be characterized and repackaged, and 740 cubic meters are expected to be disposed of at WIPP.
- Approximately 3,600 metric tons of uranium residuals are expected to be disposed of at an off-site commercial disposal facility.

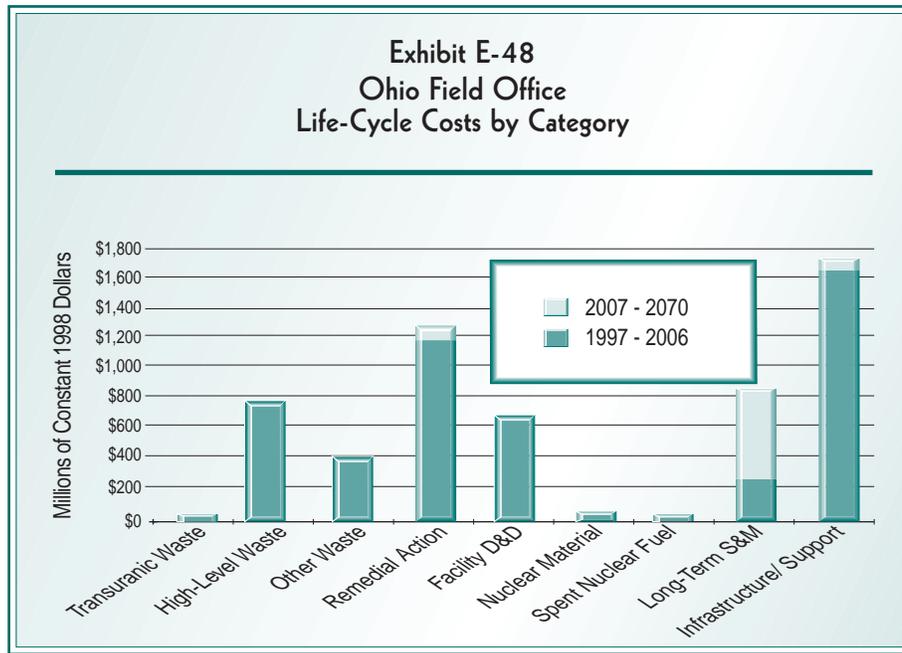
Nuclear Materials

- Currently, there are less than 7 kilograms of nuclear materials in inventory. Of this amount, less than 3 kilograms will be shipped to the Nevada Test Site for disposal and, after packaging, the remaining amount will be shipped off site to Los Alamos National Laboratory, Oak Ridge Reservation, Savannah River Site, and Portsmouth.

Spent Nuclear Fuel

- Currently, there are 11 cubic meters of spent nuclear fuel in inventory. This waste stream will be shipped off site for consolidation at a commercial disposal facility.

Exhibit E-48 shows the distribution of Ohio Field Office EM costs by major category.



E.8.4 Critical Closure Path and Programmatic Risk

The critical closure path schedule presented as Exhibit E-49 sets forth the timetable for completing the closure activities at the Ohio Field Office. The highlighted activities show the critical closure path, which represents the series of events that drive the overall completion date for the site. In Exhibit E-49, the bars represent critical activities, and the diamonds represent milestones/events.

Completion of the EM mission at the Ohio Field Office as scheduled will depend on stable funding and the timely accomplishment of critical activities and milestones. Sites have assigned programmatic risk scores to each of the critical activities/milestones. Appendix D provides a complete definition of programmatic risk. Exhibit E-50 presents a summary of activities/milestones on the critical closure path that have high programmatic risk (programmatic risk scores of 4 or 5 in any category). The Ohio Field Office version of *Paths to Closure* provides more details on the management approach for these high programmatic risk issues.