

Facility Program for a Consolidated Waste Facility, Sandia National Laboratories, Albuquerque, New Mexico

Currently, separate contracts exist for the operation of the Hazardous Waste Management Facility (HWMF) and the Radioactive and Mixed Waste Management Facility (RMWMF), with separate SNL/NM staff overseeing the contracts. Both contracts will end in FY 2005 and SNL/NM plans to consolidate the contracts. Architectural Research Consultants, Incorporated (ARC) was retained to develop a facility program to determine if a facility solution is viable for combining two of the three waste management groups into a Consolidated Waste Management Facility (CWMF) at SNL-NM. This construction project will be under the General Plant Project (GPP) funding guidelines (requiring a total estimated cost [TEC] value of \$5,000,000).

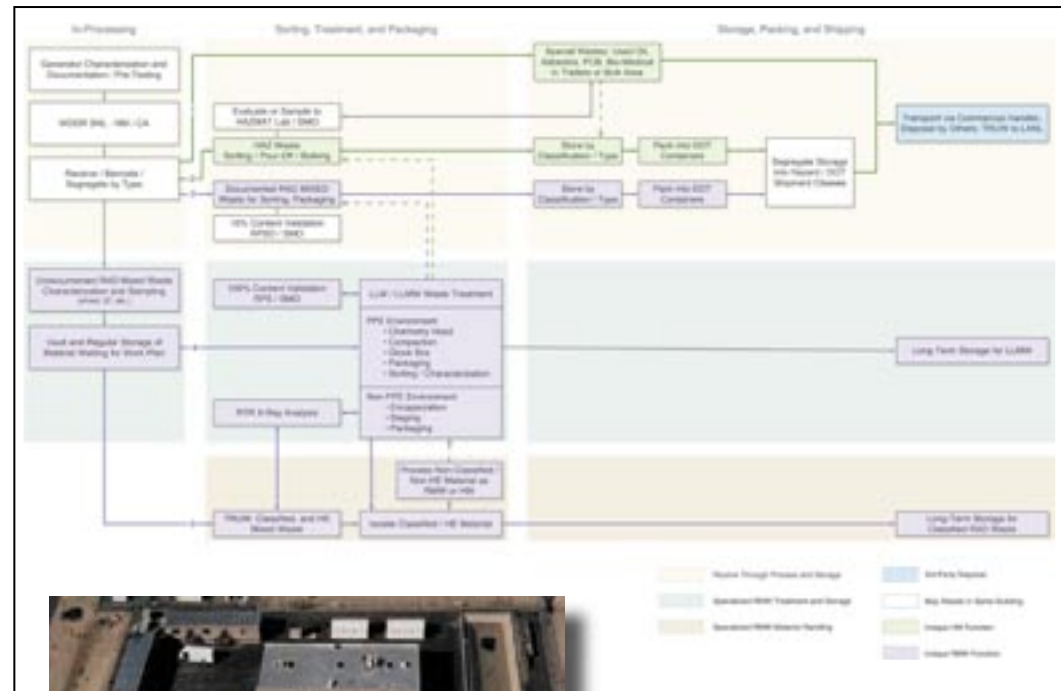
Through a series of interviews, site visits, and workshops, a project description evolved that identified areas of existing facilities that need enhancements, as well as requirements for new space. A number of strategies were studied including: No Consolidation, Consolidate at a New Facility, Consolidate at the HWMF Site and Consolidate at the RMWMF Site.

The project committee identified Strategy 4 (Consolidate at the RMWMF site) as preferred. This strategy:

- Minimizes the addition of new square footage, requiring less demolition of an equal square footage of building,
- Provides the critical “surge” storage space needed for the CWMF to be responsive to unexpected increases in waste generation,
- Assigns use to buildings that will be underutilized once legacy waste processing is completed, and
- Offers the potential for the TA-1 HWMF site area to be available for other uses.

Client: Sandia National Laboratories

Completion: September 2003



Process waste flows diagram (above)

The Existing Hazardous Waste Management Facility (left)

Interior of the Radioactive and Mixed Waste Management Facility (left - bottom)