

copies were provided to TDEC. No civil penalties were assessed.

## 2.6 TENNESSEE OVERSIGHT AGREEMENT

The Tennessee Oversight Agreement is a voluntary agreement entered into between the DOE and the state of Tennessee. This agreement reflects an extension through June 30, 2006, of the agreement between the DOE and the state executed on May 13, 1991, and continues to reflect the obligations and agreements regarding DOE's technical and financial support.

The agreement is designed to assure the citizens of Tennessee that their health, safety, and environment are being protected through existing programs and substantial new commitments by DOE. Through a program of independent monitoring and oversight, the state will advise and assist to verify that DOE's activities do not adversely impact the public health, safety, or the environment. DOE and the state, in a spirit of partnership and cooperation, agree to find ways to achieve clean air, water, and land in concert with sustainable economic growth.

To date, a variety of activities have been conducted under the agreement. DOE has provided security clearances and training necessary for state employees to gain access to the sites. Environmental data and documents pertaining to the environmental management, restoration, and emergency management programs are provided or are made available to the state for its review. The TDEC/DOE Oversight Division routinely visits the three DOE sites to attend formal meetings and briefings, conduct walk-throughs of buildings and grounds, and conduct observations of site operations to assess compliance with environmental regulations. The TDEC/DOE Oversight Division also prepares an annual environmental monitoring report of its activities (TDEC 2003). The report covering the state's FY 2002 activities will be issued by July 2003 and, when completed, will be available on the web at <http://www.state.tn.us/environment/doco/>.

## 2.7 MODERNIZATION ACTIVITIES AT THE Y-12 NATIONAL SECURITY COMPLEX

The NNSA is embarking on a significant facility and infrastructure modernization program at the Y-12 Complex. BWXT Y-12, LLC, pursuant to NNSA direction, will manage numerous construction projects as a part of this modernization program. The objectives for this modernization program are to

- consolidate operations to reduce footprint and maintenance cost,
- reuse and upgrade facilities and site infrastructure systems to be used in the future,
- replace facilities when it is the most effective alternative (new construction), and
- disposition surplus facilities and materials (infrastructure reduction).

Overall implementation of the modernization program is consistent with the site-wide environmental impact statement for the Y-12 National Security Complex and its associated record of decision (see Sect. 2.2.5). Key considerations of the modernization strategy include maintaining compliance with regulatory requirements, and coordinating NNSA's modernization activities with CERCLA requirements. The construction of new NNSA facilities is scheduled to begin prior to completion of remediation of the soils and groundwater of the Upper East Fork Poplar Creek characterization areas (see Sect. 3.4.3).

### 2.7.1 New Construction

New construction projects and initiatives in the design/planning stages include the following:

- **Special Materials Capability Program projects;**

— **Purification Facility.** The project is for the design and construction of a facility for the purification of a special material to provide historical production capacity. The original purification process, which operated in Building 9404-11, was last operated about 1990. The evolution of health and safety requirements and con-

siderations makes reuse of the original facility not viable. Construction is scheduled to begin in the summer of 2003.

- **Beryllium Operational Efficiency.** The project is in the planning/design stage to retrofit and upgrade safety standards of an existing facility.
- **Other Special Materials Facilities.** Additional projects related to Special Materials are in the early conceptual stage.
- **Highly Enriched Uranium Material Facility.** The project will design and construct a facility for the storage of highly enriched uranium, including highly enriched uranium under International Atomic Energy Agency control. Design of the facility is nearing completion; construction is anticipated to start in September 2004.
- **Support Facilities.** Support Facilities projects will be designed and constructed to include office, record storage, a fire station, change houses and other support facilities. Construction of a 7,000-ft<sup>2</sup> change house is anticipated to start as early as October 2003.
- **Utilities Upgrade Projects.** Several utility projects are being planned. An existing

facility is being proposed for reuse under the Compressed Air project, and construction is anticipated to begin in November 2004. Other utility system projects will include a steam plant life extension, potable water system upgrades, electrical distribution system upgrades and improvements, and upgrades to other utility distribution systems.

### 2.7.2 Infrastructure Reduction

The Facility and Infrastructure Recapitalization Program is an NNSA initiative to revitalize the physical infrastructure, including demolishing deteriorated structures across the Nuclear Weapons Complex. By removing excess buildings and equipment, the Y-12 Infrastructure Reduction campaign is helping clear the way for more modern and efficient structures. In the two-year kickoff period of the Infrastructure Reduction campaign, 64 facilities were removed or demolished, part of a total footprint reduction of more than 578,000 ft<sup>2</sup>. An additional 45 buildings and 11 temporary modular offices are scheduled for demolition or removal from the site during FY 2003.