

**12.0 OFFICE OF ASSISTANT MANAGER FOR NUCLEAR FUEL SUPPLY (AMNFS).**

- 12.1 Mission. The AMNFS is chartered to implement the Department of Energy's (DOE) NE-60 programmatic missions including the monitoring of the operation of the Centrifuge Technology Center (CTC), Centrifuge Testing in K-1600, Lead Cascade Demonstration, Commercial Plant Development, and Paducah Gaseous Diffusion Plant (PGDP) operability and viability. AMNFS serves as the primary interface for the Cooperative Research and Development Agreement (CRADA) with the United States Enrichment Corporation (USEC) for centrifuge development work. The organization is also responsible for administering the Lease Agreement/Regulatory Oversight Program with USEC, providing leadership and technical support for the development and deployment of advanced uranium enrichment technology, and supporting the DOE Headquarters (HQ) Office of Nuclear Energy, Science, and Technology (NE) in the lease/transfer of facilities for the commercial plant. AMNFS provides program/project management and technical assistance in the areas of lease administration, infrastructure development and transition, environmental compliance, health and safety oversight, and transportation. Technical assistance also includes development of land and facility transfers to reduce program costs for surveillance, maintenance, utilities, and other landlord-type administrative expenses. AMNFS assures that the principles of Integrated Safety Management (ISM) are fully integrated into all activities.
- 12.2 The AMNFS executes these objectives through the following three teams.
- a. Nuclear Fuels Management Team (NFMT) (12.3 below),
  - b. Regulatory Management Team (RMT) (12.4 below), and
  - c. Reindustrialization and Technical Assistance Team (RTAT) (12.5 below).
- 12.3 The Nuclear Fuels Management Team implements and administers program guidance from NE. The NFMT develops and administers plans, procedures, and programs for the direction of the Oak Ridge Office's activities for nuclear fuel security. These activities include the following:
- a. Provides leadership and technical support for the June 17, 2002, Agreement with the USEC for the development and deployment of advanced uranium enrichment technology.
  - b. Interfaces for the CRADA with USEC for centrifuge development work.
  - c. Administers the lease agreements between DOE and USEC with the exception of personal property transfers.
  - d. Maintains responsibility for the development and implementation of the uranium and nuclear fuel cycle progress; establishes strategic, program/project (including schedules) tactical actions and business plans; and maintains the working relationships and liaison with appropriate DOE HQ and field organizations.

- e. Develops management tracking and control systems to ensure that USEC programs are performing to meet milestones established in the June 17, 2002, Agreement, as well as any internal NE milestones.
- f. Manages and oversees programs and projects related to centrifuge development and deployment.
- g. Provides data, analysis, reports and continuing communications to the DOE HQ NE on all the above activities.

12.4 The Regulatory Management Team ensures compliance with safety, safeguards and security requirements for activities in leased, Non-NRC Regulated space and for arming and arrest authority for the Portsmouth and Paducah Sites. These activities include the following:

- a. Administers the Memorandum of Agreement between DOE and the Nuclear Regulatory Commission (NRC).
- b. Executes the Regulatory Oversight Agreement of the Lease to enforce DOE nuclear safety requirements and related materials control and accountability, and safeguards and security requirements; maintains the compliance plan; and prepares the annual report to Congress submitted via the NRC.
- c. Manages the Centrifuge Regulatory Oversight Program to ensure compliance with K-1600 Lessee Requirements and safeguards and security at K-1600 and the Centrifuge Technology Center.
- d. Manages nuclear safety, materials control and accountability, and safeguards and security regulatory oversight of the Gaseous Diffusion Plants (GDPs) by ensuring compliance with the USEC/DOE Regulatory Oversight Agreement, including oversight of arming and arrest authority for the Portsmouth and Paducah site security forces. Ensures contractor/lease compliance with these requirements through surveillance and inspection of activities.
- e. In the administration of contracts, RMT ensures that contractor-executed functions are carried out in a manner that protects government and contractor personnel and the general public against all ES&H hazards arising from the performance of contract work.
- f. Ensures that the principles and functions of ISM are fully integrated into all activities.
- g. Manages and oversees the Paducah Gaseous Diffusion Plant (PGDP) Operability/Viability Assurance Program.
- h. Administers the contracts for power supplied by the Ohio Valley Electric Corporation and Electric Energy Inc. for the Portsmouth Gaseous Diffusion Plant (PORTS) and the PGDP.

- i. Provides technical expertise on NE nuclear material located at PGDP and PORTS.
- j. Provides routine reports and continuing communications to the DOE HQ NE on all the above activities.
- k. Interfaces for the Access Permit with USEC for Centrifuge Deployment.

12.5 The Reindustrialization and Technical Assistance Team provides the full range of project management services for AMNFS projects including cost, schedule, and technical management; oversight of contractor activities and assessment of contractor performance; development of Work Smart Standards Sets; management and review of design documents; and onsite inspections and reviews. In addition, RTAT assists the AMNFS in the establishment of policies and management of activities related to the transfer of GDP facilities, equipment, and infrastructure. The RTAT also provides a full range of services to support the development and management of commercial leases and facility transfers for private development purposes at the East Tennessee Technology Park (ETTP). Also, RTAT has responsibility for implementation of the National Center of Excellence for Metals Recycle which is referred to as the Metals Recycle Program. Specifically, these activities include the following:

- a. Provides project management support to AMNFS for USEC activities as well as for other projects, as assigned.
- b. Manages the lease and/or transfer of personal property to support USEC activities at ETTP, Portsmouth, and Paducah. Also performs these same functions to support commercial activities at ETTP.
- c. Ensures site infrastructure at ETTP supports USEC and commercial development activities.
- d. Develops and manages commercial leases at ETTP. Management includes but is not limited to providing a DOE point-of-contact who maintains a periodic presence at ETTP, addresses questions and concerns from tenants, and assists with the close-out of leases.
- e. Transfers government-owned facilities at ETTP to private entities in support of the development of a Brownfield industrial park.
- f. Provides safety and health oversight of commercial tenants at ETTP until the Occupational Safety and Health Administration assumes responsibility. Safety and health oversight is provided by the Safety Advocate assigned to RTAT. The Safety Advocate's responsibilities include scheduling and performing annual Consultation and Assistant Visits to tenants, scheduling an annual Safety Council meeting, tracking tenant incidents, and communicating applicable lessons learned to the Community Reuse Organization of East Tennessee for distribution to the tenants at ETTP.
- g. Assists the DOE Complex in developing cost effective strategies to manage and dispose of excess scrap metal and material inventories resulting from ended operations and decontamination and decommissioning activities.

- h. Oversees the contractors under the Materials Disposition Basic Ordering Agreement that is used as a vehicle for the recycling of materials.
- i. Manages the Program responsible for the recycling of electronics and other miscellaneous materials.