

NUCLEAR ENERGY (NE) OAK RIDGE SITE OFFICE

OFFICE OF NUCLEAR ENERGY U.S. DEPARTMENT OF ENERGY

MANAGER FOR NE OAK RIDGE SITE OFFICE

1.0 **Mission:** The NE Oak Ridge Site Office reports directly to the Department of Energy (DOE) Headquarters (HQ) Office of Nuclear Energy (NE) and is chartered to implement the NE program missions related to centrifuge development and deployment and assure the continuity of ongoing U.S. enrichment operations. The Manager reports to the HQ NE Deputy Assistant Secretary for Nuclear Facility Operations and serves as the primary interface for the Cooperative Research and Development Agreement (CRADA) with the United States Enrichment Corporation (USEC) for centrifuge development work and as the Designated Approval Authority for uranium enrichment facilities in the United States. The organization is also responsible for administering the Regulatory Oversight Program with USEC, providing leadership and technical support for the development and deployment of advanced uranium enrichment technology, and supporting DOE HQ NE. In addition, the organization is responsible for Lease Agreements associated with the lease/return of facilities for uranium enrichment and the commercial plant. The Manager 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. The Manager serves as the focal point for interfacing with Local, State, and Federal entities in support of assigned programs. The Manager assures that the principles of Integrated Safety Management (ISM) are fully integrated into work activities.

1.1 The NE Oak Ridge Site Office executes these objectives through the following teams:

- a. Nuclear Energy Lease and Technical Management Branch (see 1.2).
- b. Regulatory Management Branch (see 1.3).

1.2 NE Lease and Technical Management Branch (LTMB)

The Team implements and administers program guidance from NE. The LTMB develops and administers plans, procedures, and programs for the direction of nuclear fuel security activities. The LTMB provides a full range of program, project, and contract management services for NE Programs including cost, schedule, and technical management; oversight of activities and assessment of

performance; and onsite inspections and reviews. In addition, the LTMB assists in the establishment of policies and management of activities related to the lease/return of Gaseous Diffusion Plant (GDP) facilities, equipment, and infrastructure. These activities include the following:

- a. Provides leadership and technical support for the June 17, 2002, Agreement with USEC for the development and deployment of advanced uranium enrichment technology, including tracking and control systems to ensure that USEC is performing to meet established milestones.
- b. Manages the CRADA with USEC and the Oak Ridge National Laboratory for centrifuge development and deployment.
- c. Manages and oversees programs and projects related to centrifuge development and deployment.
- d. Provides data, analysis, reports, and continuing communications to NE on the above activities.
- e. Provides project management support for USEC activities as well as for other projects as assigned.
- f. Manages the lease and/or return of real and personal property to support USEC activities at Oak Ridge, Tennessee; Portsmouth, Ohio; and Paducah, Kentucky. Also performs these same functions to support the DOE HQ Assets Revitalization Initiative.
- g. Ensures that site infrastructure supports NE initiatives and activities.
- h. Administers the Access Permits with USEC for Centrifuge Deployment.

1.3 Regulatory Management Branch (RMB)

The Team ensures compliance with safety, safeguards, and security requirements for activities in USEC leased space that is not regulated by Nuclear Regulatory Commission (NRC). The RMB performs the following functions:

- a. Implements and administers the Designated Approval Authority for enrichment facilities in the U.S. (including GE/Hitachi, AREVA, and Urenco/USA).
- b. Administers the Memorandum of Agreement between DOE and the NRC.
- c. 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.
- d. 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.

- e. Oversees nuclear safety; materials and accountability; and safeguards and security regulatory oversight of the GDPs by ensuring compliance with the USEC/DOE Regulatory Oversight Agreement, including oversight of arming and arrest authority for the Paducah site security forces. Ensures contractor/lease compliance with these requirements through surveillance and inspection of activities.
- f. In the administration of contracts, RMB 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.
- g. Ensures that the principles and functions of ISM are fully integrated into all activities.
- h. Manages and oversees the Paducah Gaseous Diffusion Plant (PGDP) Operability/Viability Assurance Program.
- i. Administers the contracts for power for the PGDP, supplied by Electric Energy Inc.
- j. Provides technical expertise on NE nuclear material located at the Paducah Gaseous Diffusion Plant.
- k. As directed by Congress, serves as the arming and arrest authority for the Portsmouth and Paducah Sites.
- l. Provides technical expertise and management support for the Russian Highly Enriched Uranium Purchase Agreement.
- m. Provides routine reports and continuing communications to the DOE HQ NE on the above activities.
- n. Administers the Access Permit Program for the “C-44 category” (10 CFR 725, Appendix A, Nuclear Technology) and the DOE-wide Access Permit Program for the “C-24 category” (10 CFR 725, Appendix A, Isotope Separation).