

6.0 OFFICE OF THE ASSISTANT MANAGER FOR WASTE DISPOSITION PROJECT (AMWDP)

In addition to the overall management responsibilities identified in Part 1, Subsection 5, paragraphs 5.2 and 5.4, formulates and executes policies, projects, and programs which ensure waste disposition (WD) programs, operations, and resources are managed in an open, safe, environmentally sound, and cost-effective manner to receive, stabilize, treat, store, and/or dispose of high-level radioactive waste from processed spent nuclear fuel and defense waste, low-level radioactive, transuranic (TRU), hazardous, mixed, and sanitary waste; aggressively pursue new and/or alternative technologies and strategies including privatization to improve WD operations; close aging WD facilities and place them in a low surveillance mode until final disposition; and manage the design and construction of the Glass Waste Storage Building #2 and the Salt Waste Processing Facility. WD facilities include: F- and H-Tank Farms, Defense Waste Processing Facility (DWPF), High Level Waste (HLW) Pretreatment Facilities including sludge and salt processing, Consolidated Incineration Facility (CIF), Saltstone Facility, Effluent Treatment Project (ETP), E-Area Vaults (Low Activity Waste Vault, Intermediate Level Tritium Vault, Intermediate Level Non-Tritium Vault), TRU Waste Processing facilities, low-level radioactive, hazardous and mixed waste storage facilities, Naval Reactors Storage/Disposal facility, New Solvent Waste Storage Tanks, and Engineered Trench and slit trenches. Responsible for all aspects of the Integrated Safety Management System in AMWDP. Ensures contractors, subcontractors, and vendors complete activities and documentation where line organizations have been assigned responsibility (Part 1, Subsection 10 Matrix).

6.1 Waste Disposition Operations Division (WDOD)

In addition to the overall management responsibilities identified in Part 1, Subsection 5, paragraphs 5.3 and 5.4, responsible for the following:

- 6.1.1 Oversees conduct of operations by the contractor for assigned facilities. Provides surveillance and resident oversight of day-to-day field work and facility operations, including testing, configuration management, work control, maintenance, radiation protection, procedures, and occupational safety. Responsible for the oversight of the contractor's training program for operations and maintenance to assure compliance with requirements including DOE directives.
- 6.1.2 Oversees facility testing and startup. Provides support to facility startup/restart activities through the assessment of facility operational readiness. Coordinates scheduled activities leading to the turnover of completed construction projects through facility startup to an operational end-state.
- 6.1.3 Oversees the occurrence reporting for WD facilities at SRS. Assures that the FR reviews for occurrence reporting are completed in accordance with DOE directives. Oversees the emergency response program for WD facilities.

6.1.4 Manages the AMWDP FR work activities and assigns qualified FRs to WD facilities. Develops and implements a training program for FRs that leads to qualification. Ensures that FRs are effectively utilized and supported in oversight of WD operations.

6.1.5 Provides emergency management oversight of the contractor for WD facilities.

6.2 Waste Disposition Engineering Division (WDED)

In addition to the overall management responsibilities identified in Part 1, Subsection 5, paragraphs 5.3 and 5.4, responsible for the following:

6.2.1 Oversees the management of the technical baseline for WD systems. Performs assessment of contractor's engineering organizations in support of operations. Ensures test plans and test procedures accurately reflect plant configuration and that test acceptance criteria are in accordance with the technical baseline. Ensures that safety documentation accurately reflects the plant/system technical basis and that required safety evaluations are performed. Provides program oversight for configuration management for WD facilities.

6.2.2 Oversees the development of a total system integrated flow sheet, which describes material balances, chemistry, and radionuclides in the different streams.

6.2.3 Evaluates the performance of contractor engineering organizations in their support of operations. Conducts evaluations in such areas as systems engineering, maintenance, construction, development and maintenance of design criteria, safety classifications, configuration management, and efficiency of response to operational requirements.

6.2.4 Supports alternative technology development programs to improve WD operations.

6.2.5 Oversees contractor engineering and technology programs and processes including engineering design, engineering codes and standards, natural phenomenon hazards engineering, and process and computing technology.

6.2.6 Oversees development and maintenance of an effective quality assurance (QA) program in accordance with the Office of Civilian Radioactive Waste Management (OCRWM) "QA Requirements and Description," RW/DOE-0333P; and oversees the implementation of the OCRWM Waste Compliance Program to ensure that the vitrified waste meets specification for permanent storage in a designated repository.

6.2.7 Interfaces on a regular basis with appropriate contractor organizations to monitor and evaluate development and implementation of systems for value engineering, codes and standards, and design criteria. Participates with multi-organizational contractor groups, boards, and committees for engineering codes and standards, value engineering metrification, and design applications.

- 6.2.8 Plans, develops, and implements a facility-specific assessment program to ensure that the contractor's performance adequately and effectively fulfills requirements. Conducts technical reviews, surveillances, and evaluations to assess program performance and ensure implementation of corrective actions identified through internal and external assessments and audits.
- 6.2.9 Plans, coordinates, and manages the SRS transportation and packaging programs. Assures the availability of safe, economical, regulatory compliant, efficient, and timely transportation for radioactive, hazardous, and non-hazardous materials. Provides technical oversight, guidance, and administrative direction for Site-wide contractor functions relative to materials traffic management and off-site and on-site packaging and transportation of nuclear and other hazardous and non-hazardous materials. Coordinates "work for others" activities (including issuance of permits, licenses, and other documentation) related to the cross-site movement of oversize/overweight components destined to locations other than SRS. Oversees SRS railroad operations.
- 6.2.10 Provides administrative oversight and technical guidance of certification and development of radioactive materials packaging to support Site requirements and ensure adherence to DOE regulations. Provides interfaces with DOE-HQ concerning Department of Transportation and Nuclear Regulatory Commission issues on transportation and packaging. Supports DOE line divisions by reviewing and evaluating packaging and transportation safety documents and programs for adequacy of scope, depth, and technical content and for conformance to DOE policy and regulations.
- 6.2.11 Provides program management for DOE-SR construction management. Administers, interprets, and monitors oversight of construction management activities. Performs trending and evaluation of construction management data from sources such as ORPS, Technical Assessment Reports, Facility Evaluation Reports, etc.
- 6.2.12 **SMS Function(s) (see Part 1, Subsection 10):**
- 4.1 **Identify Standards and Requirements (4.1.23)**
 - 4.2 **Identify Controls to Prevent and Mitigate Hazards (4.2.11 - 4.2.16)**
 - 4.6 **Packaging and Transportation (4.6.01 – 4.6.17, 4.6.19 – 4.6.30, and 4.6.33 – 4.6.34)**
 - 4.7 **Waste Management (4.7.19)**
 - 5.2 **Perform Work Safely (5.2.19 – 5.2.21 and 5.2.27)**
- 6.3 **Waste Disposition Programs Division (WDPD)**
- In addition to the overall management responsibilities identified in Part 1, Subsection 5, paragraphs 5.3 and 5.4, responsible for the following:
- 6.3.1 Responsible for the overall planning for WD including strategic and comprehensive planning.

- 6.3.2 Oversees the management and implementation of the HLW and Solid Waste System Plans with integrated schedules and planning assumptions.
- 6.3.3 Provides program management for WD programs other than salt related activities. Develops and implements policies and programs pertaining to treatment, storage, and disposal of high-level radioactive, low-level radioactive, TRU, hazardous, mixed, and sanitary waste. Provides program guidance for, and review and oversight of, waste disposition operations, programs, projects, and activities. Provides technical assistance to waste generating organizations to ensure compliance with treatment, storage, and disposal requirements.
- 6.3.4 Plans, coordinates, and manages oversight of contractor programs in the areas of packaging and transportation safety of hazardous materials. Oversees transportation of high-level, low-level, mixed, and TRU waste shipments.
- 6.3.5 Ensures WD activities (1) support DOE missions, initiatives, and standards; (2) comply with applicable Federal and state laws and implementing regulations, agreements, consent orders, directives, strategic execution guidance, and requirements; and (3) implement applicable provisions of the DOE Strategic Plan, "*Paths to Closure*" updates, the Waste Management Programmatic Environmental Impact Statement (WM-PEIS) Record of Decision, Disposal Authorization Statement, Performance Assessment, Composite Analysis, Site Treatment Plan, and life-cycle baseline.
- 6.3.6 Provides project management during the design, construction, and pre-operational testing of new facilities other than those related to the salt program. Exercises line management responsibility for total project costs and scope, schedule, and cost for line item, cost and capital equipment/general plant projects not related to the salt program (i.e., HLW Removal Project, Glass Waste Storage Building #2 Project, Low-level Waste Engineered Trench). Coordinates activities with DOE-HQ on issues relating to these projects.
- 6.3.7 Provides Federal project direction for modifications to existing facilities to support ongoing missions including facility specific infrastructure projects, capital projects and General Plant projects. Serves as the overall manager of activities and provides project representatives for new/revised mission line item construction projects.
- 6.3.8 Responsible for resource management for WD programs including budget performance and staffing levels for the contractor. Evaluates contractor performance against established baselines and prepares performance evaluation documentation. Assures detailed schedules and cost estimates support the WD System Plan. Prepares annual budget submissions.
- 6.3.9 Administers and provides technical guidance for and oversees planning and execution of the SRS waste minimization program and pollution prevention activities.
- 6.3.10 Provides integration with other DOE and SRS programs and initiatives.

- 6.3.11 Conducts technical reviews, surveillances, and evaluations to assess program performance and ensure implementation of corrective actions identified through internal and external assessments and audits.
- 6.3.12 Manages external interfaces for AMWDP including the Defense Nuclear Facilities Safety Board, Citizens Advisory Board, other stakeholders, the media, and regulators. Coordinates the interface between SRS and the South Carolina Governor's Nuclear Advisory Council.
- 6.3.13 Directs the technology development programs and technical innovations to enhance performance.
- 6.3.14 **SMS Function(s) (see Part 1, Subsection 10):**

4.7 Waste Management (4.7.01 – 4.7.05, 4.7.07 – 4.7.18, 4.7.20, and 4.7.21)

6.4 Salt Processing Division (SPD)

In addition to the overall management responsibilities identified in Part 1, Subsection 5, paragraphs 5.3 and 5.4, responsible for the following:

- 6.4.1 Provides leadership, direction, contract management, and oversight for all aspects of the AMWDP Salt Processing (SP) Program.
- 6.4.2 Responsible and accountable for SP Program planning and implementation activities encompassing the development and implementation of a primary technology/process and alternative technology(s)/process(es) for disposition of salt waste.
- 6.4.3 Responsible and accountable for planning and execution activities associated with the Salt Waste Processing Facility (SWPF) Project. Coordinates activities with DOE-HQ on issues related to this project.
- 6.4.4 Develops and implements the Acquisition Plan and the Project Execution Plan of the SWPF Project and ensures integration of the project with the HLW System.
- 6.4.5 Provides overall management of the salt processing and disposition program including cost, scope, and schedule. Exercises line management responsibility for total project costs and scope for capital equipment/general plant projects related to the salt program. Coordinates activities with DOE-HQ on issues related to this project.
- 6.4.6 Responsible for resource management for the SWPF Project including budget performance and staffing levels for the contractor. Measures contractor performance against established baselines. Assures detailed schedules and cost estimates support the baseline.

- 6.4.7 Directs technology/process development programs and activities for the SP Program. Emphasizes the application of the independent reviews to ensure implementation of the best technologies.
- 6.4.8 Oversees the design, construction, turnover to operations, startup testing, and environment, safety and health efforts performed by various contractors, in addition to other functions enumerated in the Project Execution Plan in accordance with public law, regulations, executive orders, DOE Orders, and local procedures.
- 6.4.9 Oversees the management of the technical baseline for the SWPF Project. Ensures test plans and test procedures accurately reflect plant configuration and that test acceptance criteria are in accordance with the technical baseline. Ensures that safety documentation accurately reflects the SWPF technical basis. Provides program management for development and maintenance of the SWPF configuration.
- 6.4.10 Recommends to the Manager, DOE-SR, readiness to proceed to the next SWPF Project phase ensuring requirements have been met.