

LETTER STEIN

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NOV 15 1989

Mr. Ralph Stein, Associate Director
for Systems Integration and Regulations
Office of Civilian Radioactive Waste Management
U.S. Department of Energy, RW-24
Washington, D.C. 20545

Dear Mr. Stein:

SUBJECT: ORGANIZATION OF THE OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS

On occasion, staff from the U.S. Nuclear Regulatory Commission (NRC) are asked by representatives from the U.S. Department of Energy (DOE) about the functions of the different organizations involved in the high-level nuclear waste program. In order to help DOE better understand these different functions both within the Office of Nuclear Material Safety and Safeguards (NMSS) and the Division of High-Level Waste Management (HLWM), I am forwarding to you the NRC's Manual Chapter 0124, "Organization and Functions Office of Nuclear Material Safety and Safeguards." This Chapter should help you identify the NMSS and HLWM organizations involved in the high-level waste program and their functions.

If you have any questions, please feel free to contact Mr. Joe Holonich of my staff. Mr. Holonich can be reached at (301) 492-3403 or FTS 492-3403.

Sincerely,

JS

John J. Linehan, Director
Repository Licensing and Quality
Assurance Project Directorate
Division of High-Level Waste Management

Enclosure: As stated

cc: R. Loux, State of Nevada
M. Baughman, Lincoln County, NV
S. Bradhurst, Nye County, NV
D. Bechtel, Clark County, NV
C. Gertz, DOE/Nevada
K. Turner, GAO

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**U. S. NUCLEAR REGULATORY COMMISSION
NRC MANUAL**

**Volume: 0000 General Administration
Part : 0100 Organization**

NMSS

**CHAPTER 0124 ORGANIZATION AND FUNCTIONS
OFFICE OF NUCLEAR MATERIAL SAFETY
AND SAFEGUARDS**

0124-01 SUPERVISION

Under the supervision of a Director who reports to, and is under the supervision of, the Deputy Executive Director for Nuclear Materials Safety, Safeguards and Operations Support.

0124-02 FUNCTIONS

Responsible for the licensing, inspection, environmental review, and quality assurance of all activities regulated by the Nuclear Regulatory Commission (NRC), excluding all research and test reactors and excluding power reactors before approval of a decommissioning plan and issuance of a possession-only license, as well as for the development of broad safeguards policies and programs for all licensed activities. Office responsibilities include planning, development, evaluation, and implementation of NRC policy for licensing and inspection of the above activities except for international programs. Also responsible for direct oversight of safeguards programs for all activities other than research and test reactors and power reactors not having an approved decommissioning plan and a possession-only license. Consults and coordinates with international, Federal, State, and local agencies, as appropriate, and identifies and takes action to control safety and safeguards issues for activities under its responsibility. Specifically, the Office:

021 Develops, implements, and evaluates NRC licensing and inspection policy for the use and handling of licensed nuclear materials; fuel fabrication and safeguards activities; transportation of nuclear materials, including certification of transport containers; out-of-reactor spent fuel storage; safe management and disposal of low-level and high-level radioactive wastes; uranium recovery; and related decommissioning activities.

022 Develops and maintains NRC Headquarters Emergency Response Plans, participates in operational readiness exercises, and evaluates the plans to maintain and improve operational readiness for response to safety and safeguards events associated with activities under NMSS responsibility.

023 Reviews licensee performance to establish licensing and inspection priorities and develops and issues letters, Bulletins, and Information Notices to ensure uniformity, consistency, and accuracy in resolving technical and policy issues associated with NMSS responsibilities.

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**ORGANIZATION AND FUNCTIONS
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NRC-0124-024

024 Provides guidance for Regional activities to establish and clarify technical and policy positions and to resolve issues relating to licensing, inspection, and quality assurance matters under NMSS responsibility. Exercises oversight and furnishes programmatic direction to ensure adequacy and consistency of program implementation.

025 Identifies, generates, and recommends research requirements for resolving technical issues and for providing technical bases for regulatory development.

026 Performs functions and analyzes issues preliminary to rule and guidance development.

027 Reviews existing and proposed rules, guidance, and standards to ensure program internal consistency, technical completeness, and accuracy, and that the products satisfy program needs.

028 Interacts with other NRC Offices and with international, Federal, and State organizations, Indian Tribes, and local jurisdictions, as appropriate, to ensure an ongoing understanding of NMSS programs, to identify and resolve concerns in a timely manner, to develop consistent criteria, and to provide technical assistance.

029 Develops and maintains memorandums of understanding with other NRC Offices and Federal Agencies to identify functional interfaces, establish procedures for information flow, and delineate respective responsibilities so as to ensure program coherence and efficiency.

0210 Assesses, advises, and develops options and recommendations on technical aspects of international safeguards and physical security matters for Commission consideration in accordance with NMSS/GPA (IP) Interface Agreement.

0211 Processes allegations received concerning activities under NMSS responsibility in accordance with Chapter NRC-0517, processes investigation requests, and coordinates investigation matters with the Office of Investigations (OI).

0212 Issues subpoenas under Section 161c of the Atomic Energy Act of 1954, as amended, where necessary or appropriate for the conduct of inspections or investigations into matters within the functions of the Office.

0213 Coordinates and processes clearances for information collection with the Office of Management and Budget (OMB) in accordance with Chapter NRC-0230 and the Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq.).

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NRC-0124-0214

0214 Analyzes, characterizes, and reviews threat environment to establish and ensure adequate basis for safeguards policy relating to all licensed materials and activities; and provides safeguards technical oversight for transportation activities, export and import of special nuclear material, and all domestic licensed materials and facilities, except reactors.

0215 Maintains a safeguards threat analysis capability to identify and evaluate changes and trends in the foreign and domestic threat environments, to determine threat capabilities and attributes of current or emerging non-nuclear and nuclear threats, to review and analyze information from diverse sources relating to threats, and to identify in a timely manner significant changes to the threat environment that might affect current safeguards regulations, requirements, and policy for all licensed facilities.

0216 Chairs NRC Information Assessment Team which assesses communicated threats affecting safeguarded facilities and activities.

0217 Maintains a safeguards operational data analysis system which identifies characteristics, performance indicators, and implications of trends in safeguards events which may be generic or could impact safeguards policy. NMSS will provide event data in support of the Office of Nuclear Reactor Regulation (NRR).

0218 Serves as NRC representative on official visits to foreign countries to evaluate safeguards programs as to their capabilities against identifiable threats. Represents NRC in international forums and interagency groups in matters relating to international safeguards and foreign physical protection.

0219 In coordination with other NRC Offices, chairs intra-agency group responsible for implementation of the US/IAEA Safeguards Agreement, including reporting of data to the IAEA.

0220 Serves as agency lead in transportation activities. Performs and manages safety and quality analyses and approvals of containers under agency jurisdiction. Pursuant to 10 CFR Part 71, issues approval for shipping container designs for radioactive material.

0221 Reviews the technical aspects of all international safeguards and physical protection of export/import licensing and retransfer requests. Coordinates implementation of the US/IAEA Safeguards Agreement, and participates in U.S. efforts to strengthen IAEA safeguards.

0222 Pursuant to Section 204 of the Energy Reorganization Act of 1974, monitors, tests, and recommends upgrading of internal accounting systems for nuclear materials licensed under the Atomic Energy Act of 1954, as amended.

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ORGANIZATION AND FUNCTIONS
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NRC-0124-0223

0223 Develops safeguards contingency plans and interagency agreements for dealing with thefts and radiological sabotage relating to licensed special nuclear material, nuclear facilities, transportation activities, and high-level radioactive wastes resulting from all activities under the Atomic Energy Act of 1954, as amended.

0224 Directs and administers implementation of the regulatory requirements for the protection of unclassified Safeguards Information.

0225 Directs the NRC's principal licensing, inspection, and regulatory activities associated with the processing and handling of nuclear materials, and involving health physics and radiation safety review and analysis of the front-end of the fuel cycle; the use of licensed material in medicine, research, industry, and other purposes; and the back-end of the fuel cycle.

0226 Develops criteria for clean-up and/or remedial action at contaminated sites, and assesses the adequacy of actions taken.

0227 Performs criticality safety and radiological contingency planning license reviews for all NMSS licensed facilities.

0228 Conducts safety analyses for containers for independent irradiated fuel storage and interim storage of low-level waste (LLW) at reactor sites.

0229 Conducts safety and safeguards analyses and reviews of DOE activities for the West Valley Demonstration Project.

0230 Directs and administers development programs related to upgrading safety and preservation of environmental values for fuel cycle facilities and materials. Assesses evolving technology for improvement of safety and protection of environmental values. Determines the validity, scope, and cost effectiveness of current and proposed standards in the context of existing and emerging technology.

0231 Directs the NRC's program for licensing, inspection, and regulation to ensure the safety and quality of the management, treatment, and disposal of nuclear waste, uranium recovery activities including mill tailings management, and related decommissioning.

0232 Coordinates and develops a comprehensive national program for addressing nuclear waste management and related decommissioning, including an integrated framework of regulations, standards, and guides, for management and disposal of all nuclear wastes under NRC jurisdiction.

0233 Provides management direction and oversight for the operation of the Center for Nuclear Waste Regulatory Analyses, with full authority and accountability.

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NRC-0124-0234

0234 Performs safety and environmental analyses, licensing, inspections, quality assurance audits, and follow-up reviews for operations directly associated with the disposal of nuclear waste and related decommissioning as defined in appropriate regulation, excluding authority delegated to NRC Regional Offices.

0235 Serves as Agency lead for review of DOE's Remedial Action Plans for inactive mill tailings sites.

0236 As Program Area Manager, implements agency responsibilities for actions required by the Nuclear Waste Policy Act of 1982, the Uranium Mill Tailings Radiation Control Act of 1978, and the Low-Level Radioactive Waste Policy Amendments Act of 1985 (LLRWPA), including responsibilities for State and Tribal participation and interactions.

0237 Ensures NRC capability to perform licensing reviews, quality assurance audits, and inspections, and to make licensing decisions on proposed waste management and decommissioning systems.

0238 Provides technical assistance to States and compacts consistent with the LLRWPA in their regulation of LLW disposal facilities under their jurisdiction.

0239 Supervises, directs, coordinates, and approves the activities, including administrative functions, of the various organizational units within the Office.

0240 Coordinates, agency-wide, policies for groundwater protection.

0241 Serves as agency monitor for all onsite disposals under 20.302.

0242 Plans and directs the program for financial assurance (other than Price-Anderson) and for decommissioning of nonreactor materials licensees.

0243 Represents NRC in international forums in matters related to waste disposal and associated decommissioning.

0244 For power reactors prior to transfer from NRR, reviews and recommends action on all decommissioning plans and prepares all necessary supporting documentation, excluding financial assurance aspects.

0245 For power reactors with an approved decommissioning plan and a possession-only license, performs all Agency licensing and inspection functions.

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NRC-0124-0246

0246 For power reactors transferred from NRR, oversees implementation of decommissioning plans and ensures appropriate criteria are established and met for unrestricted use prior to license termination. Ensures adequate financial assurance arrangements for decommissioning are established and maintained.

0247 Serves as Agency lead for all aspects of decommissioning. This includes establishing appropriate generic unrestricted use criteria, providing technical assistance to the States, and ensuring technical competence through current knowledge of both domestic and international decommissioning programs and technology.

0248 Performs such other functions as are assigned by the Commission, the Executive Director for Operations, or the Deputy Executive Director for Nuclear Materials Safety, Safeguards and Operations Support.

0124-03 DELEGATION OF AUTHORITY

The Director is authorized and directed to:

031 Take action, as necessary, to carry out the functions assigned by this chapter or other official directives or communications, subject to the limitations prescribed herein.

032 Issue, renew, and amend licenses for (a) construction and operation of production facilities, other than reactors, designed or used primarily for the formation of plutonium or uranium-233 (hereinafter, "production facilities") defined by the Atomic Energy Act of 1954, as amended (AE Act); (b) operators of such licensed production facilities; and (c) source, byproduct, and special nuclear materials defined by the AE Act, and Sections 202 (3 and 4) of the Energy Reorganization Act of 1974, as amended (ER Act). This includes the imposition of license conditions except where the decision rests with an Administrative Law Judge, an Atomic Safety and Licensing Board, the Atomic Safety and Licensing Appeal Panel, or the Commission after a hearing pursuant to 10 CFR Part 2.

033 Administer programs authorized under the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, as amended, the National Environmental Policy Act of 1969, the Uranium Mill Tailings Radiation Control Act of 1978, the Low Level Radioactive Waste Policy Amendments Act of 1985, and the Nuclear Waste Policy Act of 1982 as NRC lead office for an integrated program including licensing, inspection, quality assurance, and assessing regulatory effectiveness for high-level waste, low-level nuclear waste, uranium recovery, mill tailings, and related decommissioning programs; the transportation program; the fuel cycle and material safety program; and the licensed safeguards program (except reactors) and safeguards policy for all licensed activities.

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NRC-0124-034

034 Take such actions as may be required to ensure technical efficiency and program consistency nationwide in the conduct of licensing, inspection, and regulatory activities for programs under NMSS cognizance that have been regionalized.

035 Issue, pursuant to 10 CFR Part 2, notices of the denial or the proposed denial of applications for production facility licenses; applications for production facility operator licenses; applications for source, byproduct, and special nuclear material licenses; and applications for amendment or renewal of such licenses and amendment of possession only licenses for power reactors with approved decommission plans.

036 Issue amendments changing the technical specification for production facilities and power reactors with possession only license and approved decommissioned plans, and authorizing changes in these facilities or facility procedures, or the conduct of tests and experiments, in accordance with 10 CFR Part 50.

037 Take necessary or appropriate action in accordance with decisions of an Administrative Law Judge, an Atomic Safety and Licensing Board, the Atomic Safety and Licensing Appeal Panel, or the Commission after a hearing pursuant to 10 CFR Part 2.

038 Pursuant to 10 CFR Part 71, issue approval for shipping container designs for radioactive material.

039 Prescribe license conditions and recommend rules and regulations for safety, material accounting, and physical security measures within U.S. jurisdiction.

0310 Amend, modify, and terminate possession-only licenses for power reactors with approved decommission plan.

0311 Consistent with NRC regulations, grant exemptions from NRC regulations or impose special conditions on licensees of production facilities, power reactors with approved decommission plans and possession only license, and source, byproduct, and special nuclear material.

0312 Take such actions as may be required to carry out the functions assigned pursuant to Sections 2.202, 2.204, and 2.206 of 10 CFR Part 2 pertaining to production facilities; power reactors with possession only license and approved decommission plan; or source, byproduct, or special nuclear material; other than actions related to any alleged violation of the Atomic Energy Act of 1954, as amended, the regulations in Title 10, Chapter 1 of the Code of Federal Regulations, and any orders or conditions of licenses for production facilities or material licenses issued pursuant thereto.

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NRC-0124-0313

0313 With respect to the authority to issue subpoenas pursuant to paragraph 0212 above, prior to issuing such a subpoena the Director must receive concurrence from the Office of General Counsel (OGC) and consult with the Office of Investigations (OI).

0314 Issue orders, notices, or letters to licensees with respect to activities that may affect or have the potential for affecting safety and safeguards of operations, and provide policy and procedures to Regional Offices concerning these matters.

0315 Consistent with NRC policy, evaluate the fitness-for-duty programs as implemented by licensees under NMSS cognizance.

0316 Based upon safeguards considerations, approve routes for shipment of radioactive material and issue orders to stop shipments, as necessary.

0317 Request interagency support on special safety and safeguards matters.

0318 Request activation of the NRC Executive Management Team dealing with safety or safeguards situations under NMSS areas of responsibility.

0319 Communicate directly with State and local jurisdictions in matters dealing with response support for safety and safeguards contingencies, and in matters dealing with transportation of radioactive materials.

0320 Issue, renew, and amend licenses to ensure decommissioning in an efficient, cost effective manner consistent with protection of the public health and safety.

0321 Pursuant to Section 204 of the Energy Reorganization Act of 1974, as amended, monitor, test, and recommend upgrading of internal accounting systems for nuclear materials licensed under the Atomic Energy Act of 1954, as amended.

0322 Communicate directly with Governors and legislators of all affected States and affected Indian Tribes in matters dealing with their participation in the characterization and licensing of a high-level waste disposal site, pursuant to 10 CFR Part 60, and/or low-level waste disposal sites, pursuant to 10 CFR Part 61.

0323 Develop, in consultation and coordination with other pertinent agencies, safeguards contingency plans, and interagency agreements for dealing with threats, thefts, and sabotage relating to special nuclear material, nuclear facilities, and high-level radioactive wastes resulting from all activities licensed under the Atomic Energy Act of 1954, as amended.

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NRC-0124-0324

0324 Make "significant change" determinations under Section 105c(2) of the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2135c(2), to obtain the Attorney General's advice, pursuant to Section 105(c)(1) of that Act, to the Director, NMSS, for production facilities, in connection with the revised Operating License Antitrust Review Procedures.

0325 As NRC Program Director for the Center for Nuclear Waste Regulatory Analyses, provide management direction and oversight, and assume full authority and accountability for the Center's operations.

0326 Formulate NRC policy on groundwater protection activities and articulate Agency position to other government organizations.

0327 Issue appropriate Federal Register notices in connection with the actions delegated under this chapter, including notices which offer an opportunity for public hearing in connection with the action proposed to be taken or taken whether or not required by statute or the Commission's regulations.

0328 Enter into, extend, modify, and terminate orders and agreements with other agencies, as appropriate, and settle terminations thereof.

0124-04 DELEGATION OF AUTHORITY TO THE DEPUTY DIRECTOR

The Deputy Director is authorized and directed to act in the stead of the Director during the absence of the Director.

0124-05 REDELEGATION OF AUTHORITY BY THE DIRECTOR

The Director may, except where expressly prohibited, redelegate to others authority delegated by this or other official directives or communications, subject to the limitations stated below and such other stipulations as are deemed necessary.

051 Such redelegations must be in writing, with copies to the Office of the Executive Director for Operations, Office of the Secretary, Office of the General Counsel, and Office of Personnel.

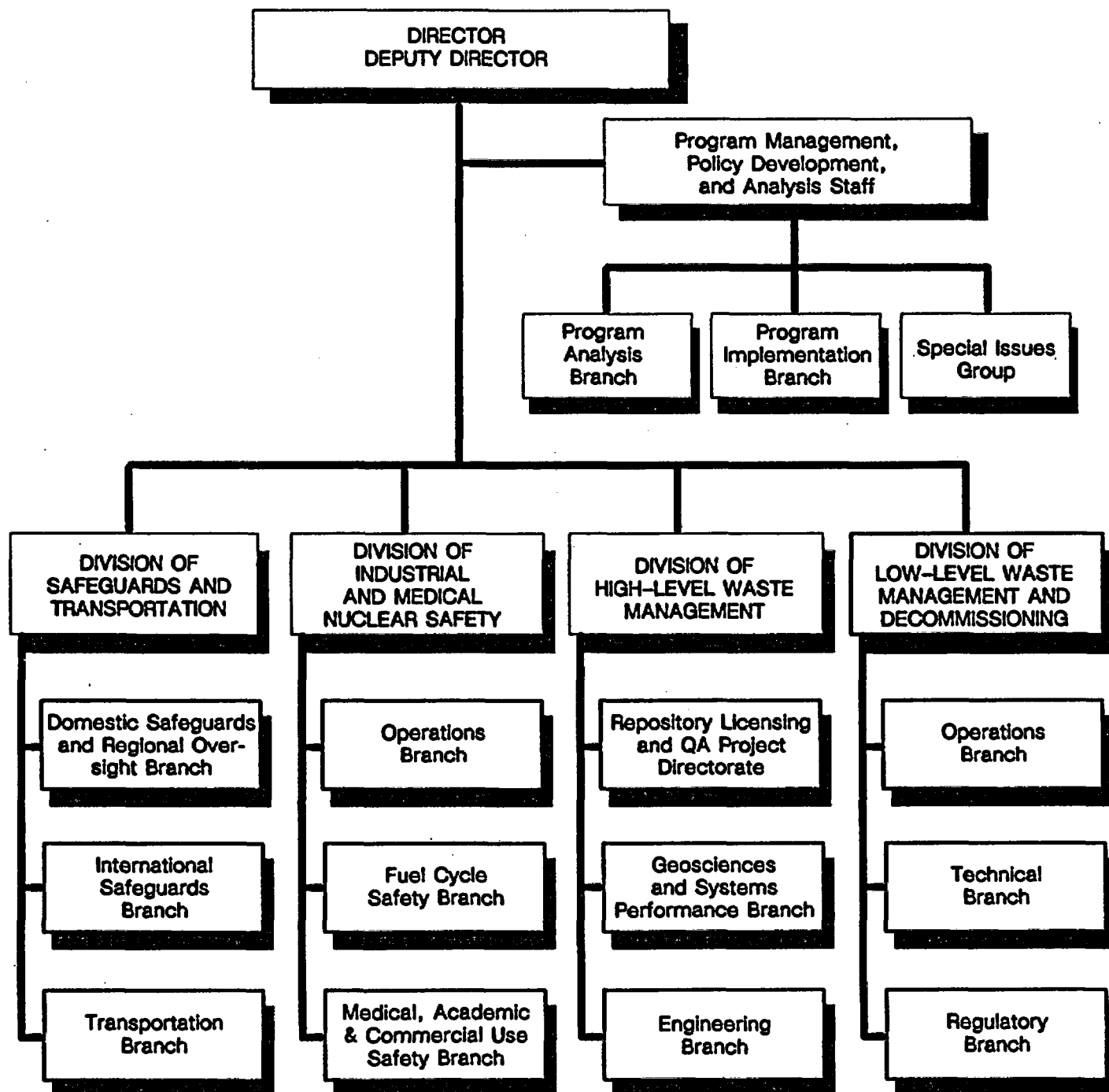
052 The Director must stipulate any limitation on further redelegation of authority.

0124-06 ORGANIZATION STRUCTURE AND INTERNAL ASSIGNMENTS

An organization chart showing internal organization of the Office and a statement of functions of the subdivisions of the Office are shown in Appendix 0124, Parts I and II.

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PART I ORGANIZATION CHART



PART II

DISTRIBUTION OF FUNCTIONS

- A. THE OFFICE OF THE DIRECTOR is responsible for the public health and safety licensing, inspection, and environmental reviews for all activities regulated by the Nuclear Regulatory Commission (NRC), except reactors, and for the safeguards technical review of all licensing activities, including export/import of special nuclear material, but excluding reactors. The Office responsibilities include development and implementation of NRC policy for the regulation of activities involving safety, quality, approval, and inspection of the use and handling of nuclear and other radioactive materials, such as uranium recovery activities; fuel fabrication and fuel development; medical, industrial, academic, and commercial uses of radioactive isotopes; safeguards activities; transportation of nuclear materials, including certification of transportation containers; away-from-reactor spent fuel storage; safe management and disposal of low-level and high-level radioactive wastes; and management of related decommissioning. Safeguards responsibilities include development of overall agency policy, monitoring and assessment of the threat environment, including liaison with intelligence agencies as appropriate, and those licensing and review activities appropriate to deter and protect against threats of radiological sabotage and threats of theft or diversion of special nuclear material at fuel facilities and during transport. The Office identifies and takes action to control safety and safeguards issues for activities under its responsibility, including consulting and coordinating with international, Federal, State, and local agencies, as appropriate.
- B. THE PROGRAM MANAGEMENT, POLICY DEVELOPMENT, AND ANALYSIS STAFF provides focus and management attention on major Office programs and issues. Assists in the development of Office policy and conducts independent review of staff-developed programs which require policy decisions by the Office Director. Oversees high visibility emergency actions to ensure adequacy, promptness, completeness, and fulfillment of Office statutory responsibilities; and tracks and coordinates special projects designated by the Office Director. Provides independent technical review of all Office-initiated policy papers and issues to ensure completeness, promptness, accuracy, and adherence to Agency and Office policy. Represents the Office in conducting intra- and interagency special projects. Provides Office quality assurance and consistency in responses to external reports and correspondence and in interaction with other Agencies. Executes functions of the NRC Center for Nuclear Waste Regulatory Analyses (CNWRA) Program Manager in accordance with the Delegation of Authority from the Director, NMSS. Oversees the development and coordination of Congressional testimony and Commission papers. Conducts analyses and projects either self-initiated or requested by the Office Director.

Establishes priorities, schedules, and resource allocations; performs resource forecasting, strategic and short-range program planning, budget preparation and coordination, and program control. Provides administrative and management support, including personnel management, management studies, management directives, personnel development and training, correspondence and action item control.

1. The Program Analysis Branch manages NMSS strategic and short-range program planning and budget preparation. Develops and maintains data and reports on the schedules and status of all NMSS projects and tasks. Evaluates and reports upon the NMSS performance of projects and tasks to ensure compliance with established NRC policies, goals, and objectives. Provides independent review of all Office-initiated policy papers and issues to ensure completeness, promptness, accuracy, consistency, and adherence to Agency and Office policy. Develops and implements NMSS policies and procedures for the development and maintenance of automated management information systems.
 2. The Program Implementation Branch manages NMSS personnel programs and resources through long- and short-range studies and planning. Provides continuing evaluation of NMSS management effectiveness and makes recommendations on management matters, organizational structure, and staffing. Prepares Requests for Procurement Action and prepares and negotiates Standard Orders for DOE Work. Reviews and analyzes new NRC administrative management policy proposals and proposed modifications of existing NRC administrative management policy, and assesses the impact on NMSS for the Office Director. Maintains NMSS financial plans and certifies the availability of funds from the NMSS allotment. Develops Office policy that relates to administrative management; prepares guidance documents for NMSS; develops and implements procedures and models for analyzing, projecting, and reporting staff expenditures; manages the NMSS personnel development and training function. Controls and coordinates NMSS principal correspondence; and coordinates space and property management facilities support.
 3. The Special Issues Group continuously reviews Office activities to assist in focusing management attention and resources on appropriate issues. Provides oversight of selected projects (e.g., Sequoyah) which require special attention by the Office Director, and facilitates reporting and tracking of such high-visibility agency activities assigned to NMSS. Assists in executing the CNWRA program management responsibilities.
- C. THE DIRECTOR, DIVISION OF SAFEGUARDS AND TRANSPORTATION, develops overall agency safeguards policy and conducts safeguards licensing, inspection, and regulatory functions applicable to nuclear materials, nonreactor

facilities, transportation of nuclear materials, and nonreactor inspection activities licensed under the Atomic Energy Act of 1954, as amended. Develops, implements, and evaluates safeguards policies and the overall NRC safeguards program including monitoring functions preliminary to rule and guidance development; testing, inspection, and quality assurance activities; and recommending improvements for physical security and nuclear material control and accountability systems. Reviews protection afforded, weapons-usable material in the licensed and license-exempt sectors to maintain comparability.

Formulates transportation safety and transportation safeguards policy for the Agency. Serves as the Agency lead in transportation activities, and performs and manages safety analyses and appraisals of containers under Agency jurisdiction. Develops policy and guidance for inspection and quality assurance programs for transportation.

Assesses threat to domestic environment affecting all NRC-licensed activities and reviews adequacy of the design basis threat based on safeguards events and intelligence information. Analyzes and evaluates domestic and foreign events and incidents to detect patterns and trends and provide a basis for regulatory change and response. Supports NRC contingency and response operations for dealing with threats, theft, and radiological sabotage relating to licensed activities. Coordinates with NRR to ensure consistency in the implementation of Agency safeguards program for reactors. Identifies and takes action to control safeguards and safety issues under its responsibility.

Reviews the technical aspects of all international safeguards and physical protection aspects of export/import licensing and retransfer requests, coordinates implementation of the US/IAEA Safeguards Agreement, and participates in U.S. efforts to strengthen IAEA safeguards.

1. The Domestic Safeguards and Regional Oversight Branch reviews programmatic activities and develops technical and policy options/policy statements for physical security of nuclear materials in fuel facilities, and for control and accountability of materials during processing and storage. Conducts safeguards technical regulatory reviews relative to nuclear materials, fresh fuel, nuclear fuel facilities, and independent spent fuel storage facilities. Develops licensing criteria, in support of new or revised regulations, that will be used by license reviewers. Develops and maintains inspection and quality assurance programs for physical security and material control and accountability (MC&A). Provides technical support to Regions and exercises oversight to ensure consistency and technical adequacy of nonreactor licensing functions delegated to Regions. Reviews inspection and evaluation reports to identify Agency safeguards nonreactor issues and takes

- action to control issues under the Division's responsibility. Coordinates to identify problems that could result from nonreactor licensees' safeguards plans and procedures. Performs functions which are preliminary to safeguards rules and regulatory guidance for NRC safeguards activities, including NRC/DOE coordination. Develops and issues Information Notices and Bulletins.
2. The International Safeguards Branch reviews the safeguards technical and foreign physical protection aspects of export/import licensing and retransfer requests. Participates in NRC/DOE/DOD foreign physical protection visits. Implements international safeguards at selected NRC licensed facilities under the US/IAEA Safeguards Agreement. Participates in U.S. efforts to strengthen IAEA safeguards. Manages utilization of the nuclear materials management and safeguards system (NMMSS). Conducts pattern and trend studies based on analysis of intelligence data and domestic and foreign events. Assesses threat environment affecting licensed activities based on safeguards events and intelligence information. Plans, coordinates, and manages the NRC's contingency and response activities relating to safeguards events at non-reactor facilities and during transportation and safety events related to transportation.
 3. The Transportation Branch formulates transportation safety and transportation safeguards policy for the Agency. Serves as Agency lead in transportation activities, performs and manages safety and quality analyses and approvals of transport containers under Agency jurisdiction. Coordinates with other jurisdictions and agencies and foreign interests on transportation matters. Manages Agency quality assurance licensing and inspection programs for transportation of nuclear materials. Conducts safety and safeguards technical reviews related to nuclear materials transportation activities. Develops licensing review criteria and licensing positions, and reviews cask certification and transportation physical protection programs. Develops and issues Information Notices and Bulletins.
- D. THE DIRECTOR, DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY, directs the NRC's principal licensing, inspection, and regulatory activities to ensure safety and quality associated with the processing and handling of nuclear materials and involving health physics and radiation and nuclear safety review and analysis of the front-end of the fuel cycle after milling; the use of licensed material in medicine, research, industry, and other purposes; and the back-end of the fuel cycle except for commercial low-level waste disposal and high-level waste disposal. Responsible for the regulation of materials and non-reactor facilities licensed under the Atomic Energy Act of 1954, as amended. Develops, implements, and evaluates nonreactor facilities and materials policies and the overall NRC nuclear fuel cycle and materials programs. Manages Agency program for "exempt" use of radioactive material and for

evaluation of sealed sources and devices. Provides national direction to Regional licensing and inspection activities programs. Provides technical support for training of Regional and Agreement State licensing and inspection staff. Provides technical support and guidance to the Regions on licensing and inspection activities and, upon request, to the Agreement States. Identifies and takes action to control safety issues and directs NRC contingency and response operations dealing with accidents, events, and incidents under its responsibility.

1. The Operations Branch provides programmatic control in the material safety and fuel cycle areas. Provides technical and program quality assurance, incident response coordination and training, and emergency preparedness policy for nuclear materials and fuel cycle events. Identifies and takes action to control safety issues under the Division's responsibility. Assesses safety environment stemming from foreign events and developments and implements response. Reviews licensee performance to assist in establishing licensing and inspection priorities and policies, and to determine need for Information Notices, Bulletins, and rulemaking. Develops and issues Information Notices and Bulletins. Resolves generic problems and policy issues (e.g., uranium toxicity and monitoring). Coordinates with other Federal agencies (e.g., OSHA, EPA, DOE, and FEMA) regarding interagency jurisdiction related to responsibilities of the Division. Develops policy and procedures for assessing Regional performance of materials and fuel facility licensing and inspection activities. Provides operational computer support functions for the Division (e.g., License Tracking System [LTS], Sealed Source and Device System [SSDS], Service and Training Information System [STIS], General License Data Base [GLDB], and Material Safety Regulatory Improvements [MSRI]).
2. The Fuel Cycle Safety Branch conducts health physics, radiation, and nuclear safety, quality, and other appropriate analyses; licensing; and follow-up review of natural uranium conversion plants and production plants, uranium enrichment plants, enriched fuel processing and fabrication plants, chemical reprocessing facilities, and advanced fuel fabrication plants. Conducts environmental assessments and prepares environmental impact statements related to licensing actions. Conducts safety and environmental evaluations, licensing, quality assurance, and follow-up review of spent fuel storage installations (outside of reactor basins), including DOE's Monitored Retrievable Storage (MRS) facility. Conducts safety analyses for containers for independent irradiated fuel storage and interim storage of low-level waste at reactor sites. Conducts safety analyses and reviews of DOE activities for the West Valley Demonstration Project. Provides oversight and programmatic direction for the respective programs in the Regions related to

these activities. Develops and directs implementation of policies and programs for inspection of licensees and others subject to NRC jurisdiction. Reviews Regional fuel cycle licensing and inspection programs for technical adequacy and consistency. Provides technical support for training Regional and Agreement State fuel cycle licensing and inspection staff. Provides technical support and guidance to the Regions on fuel cycle licensing and inspection activities and, upon request, to the Agreement States. Reviews programmatic activities and develops technical and policy options for regulations, regulatory guides, and policy statements. Provides technical support for incident and emergency response.

3. The Medical, Academic, and Commercial Use Safety Branch conducts health physics, radiation safety and other appropriate analyses, licensing and follow-up review of byproduct, medical, academic, industrial, and other source and special nuclear materials, including, as necessary, preparation of environmental assessments and impact statements, determination of quality evaluations of sealed sources and devices, and licensing of exempt distribution of consumer products. Provides oversight and programmatic direction for the respective programs in the Regions related to these activities. Develops and directs implementation of policies and programs for inspection of licensees and others subject to NRC jurisdiction. Reviews Regional materials licensing and inspection programs for technical adequacy and consistency. Provides technical support for training of Regional and Agreement State materials licensing and inspection staff. Provides technical support and guidance to the Regions on materials licensing and inspection activities, and, upon request, to the Agreement States. Certifies adequacy of design of sealed sources and devices. Reviews programmatic activities and develops technical and policy options for regulations, regulatory guides, and policy statements. Provides technical support for incident and emergency response.

- E. THE DIRECTOR, DIVISION OF HIGH-LEVEL WASTE MANAGEMENT, develops and manages the Agency's program for the licensing, inspection, and regulation of the DOE high-level waste (HLW) repository program. Provides lead for all Agency activities under the Nuclear Waste Policy Act (NWPA) of 1982 and describes scope and activities for the Agency to achieve goals and schedules under the NWPA. Develops, implements, and evaluates safety and environmental policies relative to the HLW program, including programs for licensing, inspection, and quality assurance. Develops and implements a program of early, active, and continuing interface, including prelicensing interface, with DOE and other entities--Federal, State, Indian Tribes--to ensure an ongoing understanding of the DOE repository program and early identification of regulatory concerns and issues within the program. Develops a program to

enhance the ability of NRC to reach the statutory deadline of three years for construction permit decision. Develops technical and procedural guidance to ensure program focus on important regulatory matters. Coordinates on research to ensure regulatory program commitments are achieved. Reviews and comments on DOE documents, plans, and programs as they are developed. Represents the Agency in international HLW activities. Provides guidance for Regional activities relating to the HLW repository program. Identifies and takes action to control safety issues under its responsibility. Authorities include the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974; the National Environmental Policy Act of 1969; the Nuclear Waste Policy Act of 1982; and the Nuclear Waste Policy Amendments Act of 1987.

1. The Repository Licensing and QA Project Directorate serves as the focal point for implementation of the High-Level Waste (HLW) Repository Program, including interface with DOE. Provides systems engineering/integration for the High Level Waste Program (repository, MRS, ISFS, and transportation). Responsible for planning and policy analyses for the regulatory program under the Nuclear Waste Policy Act (NWPA). Manages and coordinates the safety and environmental reviews of prelicensing and licensing activities for the HLW repository. Responsible for the review, develops guidance as necessary and audits the DOE implementation of quality assurance to ensure compliance with regulations. Develops safety and environmental policy for HLW repository program to ensure coherent direction and focus for licensing, inspection, quality assurance, and other regulatory activities. Manages implementation of the NRC and DOE procedural agreement governing pre-licensing consultation. Manages and coordinates the inspection and audits of repository-related activities to ensure compliance with regulations. Provides the necessary planning to enable meeting statutory schedules and milestones such as the three year construction permit decision. Implements an active interface program, including prelicensing with Federal, State, Indian Tribes and other entities to ensure ongoing understanding of the repository program and to identify and resolve concerns in a timely manner. Provides CNWRA Program Sub-Element Management for Systems Engineering and Special Projects.
2. The Geosciences and Systems Performance Branch is responsible for the technical review and serves as the center for technical expertise in the geosciences (geology, hydrology, and geochemistry) and system performance assessment disciplines as they relate to the HLW repository program. In these areas: (1) develops the technical evaluation and assessment methodologies and codes to determine compliance with 10 CFR Part 60 and other regulatory requirements; (2) develops guidance for the DOE with respect to specific technical information required to demonstrate compliance with regulatory

requirements and specific technical strategies or methodologies that would be acceptable to demonstrate compliance; (3) reviews rules and standards to ensure program internal technical consistency, technical completeness and accuracy, and that they satisfy program needs and are implementable; (4) reviews and evaluates NWSA submissions for technical adequacy and compliance with regulatory requirements, including environmental assessments, site characterization plans, and other relevant prelicensing and licensing documents; and (5) participates in inspections and audits of repository-related activities to ensure compliance with regulatory requirements. Serves as the focal point for coordination with the Office of Nuclear Regulatory Research (RES) regarding RES support of the HLW repository program. Provides NWSA Program/Sub Element Management for Performance Assessment Methodology and the Geologic Setting, including geology, hydrology, geochemistry, and climatology.

3. The Engineering Branch is responsible for the technical review and serves as the center for technical expertise in engineering disciplines as they relate to the engineered barrier systems and repository design of the High-Level Waste repository. In these areas: (1) develops the technical evaluation and assessment methodologies and codes to determine compliance with 10 CFR 60 and other regulatory requirements; (2) develops guidance for the DOE with respect to specific technical information required to demonstrate compliance with regulatory requirements and specific technical strategies or methodologies that would be acceptable to demonstrate compliance; (3) reviews rules and standards to ensure program internal technical consistency, technical completeness and accuracy, and that they satisfy program needs and are implementable, (4) reviews and evaluates NWSA submissions for technical adequacy and compliance with regulatory requirements, including environmental assessments, site characterization plans, and other relevant prelicensing and licensing documents; and (5) participates in inspections and audits of activities to ensure compliance with regulatory requirements. Provides NWSA Program/Sub-Element Management for Systems Engineering, Engineered Barrier System, Repository Design (Construction and Operation), and Special Projects. Provides Division lead for efforts to integrate ADP into Division work, including contractor work. Serves as the NMSS focal point for issues, interaction, etc., regarding the Licensing Support System (LSS).

- F. THE DIRECTOR, DIVISION OF LOW-LEVEL WASTE MANAGEMENT AND DECOMMISSIONING, directs the NRC's program for licensing, inspection, and regulation to ensure safety and quality associated with the management, treatment, and commercial disposal of low-level nuclear waste (LLW); uranium recovery (UR) activities, including mill tailings management; and related material

facility and power reactor decommissioning. Develops, implements, and evaluates safety and environmental policies and long-range goals for low-level waste, uranium recovery activities, and related material facility and power reactor decommissioning activities. Identifies and takes action to control safety issues under its responsibility. Interacts with other NRC Offices and international, Federal, and State organizations and jurisdictions on matters under its cognizance. Coordinates within NRC so that consistent criteria are developed for acceptable LLW disposal, UR activities, and decommissioning practices. Coordinates on research to ensure regulatory program commitments are achieved. Represents the agency in international LLW and UR activities; provides guidance for Regional activities relating to LLW disposal, UR activities, and decommissioning; serves as Agency lead for DOE's Remedial Action Plans. Authorities include the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974; the National Environmental Policy Act of 1969; the Uranium Mill Tailings Radiation Control Act of 1978; the Low Level Radioactive Waste Policy Act of 1980; and the Low Level Radioactive Waste Policy Amendments Act of 1985 (LLRWPA).

1. The Operations Branch serves as NRC focal point for licensing and operational safety activities associated with the management and disposal of LLW and UR activities including mill tailings management and related decommissioning. Plans and directs the program for (a) safety and environmental evaluation of applications for licenses for low-level radioactive waste disposal; (b) inspection and quality assurance of existing facilities; (c) maintenance of information on the status of LLW operation, management, and disposal for all NRC licensees and Agreement State licensees; (d) NRC's evaluation of and concurrence in the Department of Energy's Remedial Action Plans for cleanup of inactive uranium mill tailings sites and contaminated vicinity properties; and (e) oversight and review of Regional Offices' performance for matters under the Division's cognizance. Provides technical assistance to States and Compacts consistent with LLRWPA and in their regulation of LLW disposal facilities under their jurisdiction. Identifies and takes action to control safety issues under the Division's responsibility.
2. The Technical Branch directs and manages the program necessary for technical review and evaluation of the acceptability of proposed and operational low-level waste disposal, uranium recovery activities, and decommissioning activities with respect to geology, hydrogeology, geochemistry, facility design, engineered barriers, waste form, and packaging. Identifies specific information needs, data-gathering strategies, and methods needed to obtain acceptable licensing, inspection, and enforcement data in these areas. Develops technical evaluation and assessment codes. Identifies further research and development needs and serves as Division liaison with the Office of Nuclear Regulatory Research in developing and executing programs to fill these needs. Directs technical

assistance contracts and consultants in support of the above functions. Prepares technical positions and other guidance documents. Responsible for the Division's internal quality assurance program.

3. The Regulatory Branch manages and directs NRC regulatory development activities under the Uranium Mill Tailings Radiation Control Act of 1978 and the LLRWPA. Responsible for interagency and international coordination, development of policy and practices and long-range goals, and initiating the development of standards and guides for matters under the Division's cognizance. Conducts special projects and develops policy options for improving regulatory programs for disposal of low-level wastes, uranium mill tailings, and decommissioning of nuclear facilities. Develops regulatory program for management of mixed and greater than Class C wastes, and for quality assurance of low-level waste disposal facilities. Plans and directs the program for financial assurance of licensees (other than Price-Anderson) and decommissioning of power reactor and materials licensees. Reviews and recommends action on decommissioning plans for power reactors prior to transfer from NRR to NMSS, except financial aspects. Plans, directs, and carries out all licensing reviews and actions for power reactors transferred to NMSS, and directs and oversees the related assistance for, and plans, directs and oversees all Regional licensing and inspection activities related to decommissioning.