

OFFICE OF NUCLEAR REACTOR REGULATION (NRR)

CURRENT FUNCTIONAL STATEMENTS

Responsible for accomplishing key components of the Nuclear Regulatory Commission's (NRC's) nuclear reactor safety mission. As such, NRR conducts a broad range of regulatory activities in the four primary program areas of rulemaking, licensing, oversight, and incident response for commercial nuclear power reactors, and test and research reactors to protect the public health, safety, and the environment. NRR works with the regions and other offices to accomplish its mission and contribute to the agency mission.

Program Management, Policy Development and Planning Staff (PMAS)

Provides leadership and manages strategic and programmatic planning, short-range program planning, resource forecasting and allocation, and budgeting through the planning, budgeting, and performance management (PBPM) process. Manages, controls, and coordinates the execution of the office's financial resources and contracting activities. Provides independent review of office policy papers and issues to ensure completeness, accuracy, consistency with budgeted resources, and adherence to agency and office policies. Enhances communication. Provides oversight and support of information management and technology. Provides administrative and management support in areas including human resource management, facility management, training, Freedom of Information Act (FOIA) coordination, and principal correspondence. Facilitates continuous organizational improvement by developing and improving Office infrastructure. Coordinates the NRC Regulatory Information Conference.

Associate Director for Engineering and Safety Systems (ADES)

Provides management direction of technical evaluations and assessment of technical issues including safety systems and engineering. Interacts with the other associate directors to resolve or recommend resolution of policy on major office-level programmatic issues. Responsible for the NRR allegations program.

Division of Safety Systems (DSS)

Performs systems-related safety evaluations of licensee implementation of NRC requirements, changes to existing licenses, and applications for new facilities or designs and provides technical support and expertise for special projects, programs, and policy activities. Reviews and evaluates design-basis and severe accident issues as they relate to advanced plant designs, combined licenses (COLs), and current operating plants.

Division of Component Integrity (DCI)

Performs engineering-related safety evaluations of licensees' implementation of NRC requirements, changes to existing licenses (including license renewals), topical reports, American Society of Mechanical Engineers (ASME) Code changes, and applications for new facilities or designs. Provides engineering expertise for special inspections, projects, programs, and policy activities. Reviews may be in support of individual licensing actions, topical reports, ASME code changes, ASME standard reviews, license renewal, or new reactor designs. Reviews and evaluates the design, fabrication, inspection, evaluation, and repair of reactor coolant system and other ASME-class components and mechanical equipment and components. Focus is related to materials engineering issues such as corrosion, nondestructive examination, flaw evaluation, and welding. Additionally, focus related to mechanical engineering issues such as component design, qualification, aging degradation, performance, and testing. Issues generic communications as needed. Performs technical reviews to ensure specific regulatory requirements are met.

Division of Engineering (DE)

Performs engineering-related safety reviews and quality assurance-related reviews of licensees' implementation of NRC requirements, changes to existing licenses (including license renewals), and applications for design certification, early site permits, combined licenses, and new reactor pre-application activities. Provides engineering expertise for special inspections, projects, programs, and policy activities. Oversees quality assurance at nuclear vendors/suppliers.

Manages the development and implementation of the policy, programs, and activities for the reactor allegations program.

Associate Director for Operating Reactor Oversight and Licensing (ADRO)

Provides overall policy, planning, and management direction for the project management and technical review of operating reactor licensing and license renewal activities, non-radiological environmental issues, standard technical specifications, and the reactor inspection and performance assessment programs. Provides management direction of technical evaluations and assessment of technical issues involving: operating licensing, human factors, and radiation protection. Interacts with the other associate directors to resolve or recommend resolution of policy and office-level programmatic issues.

Division of License Renewal (DLR)

Responsible for receipt and acceptance review of license renewal applications. Responsible for project management of the safety review of the applications, preparation of a safety evaluation report, ACRS presentations, and preparation of the renewed license. Responsible for developing and implementing policies, processes, and guidance documents associated with review and approval of license renewal applications. Responsible for conducting on-site safety review audits of license renewal applications for the license renewal process. Responsible for pre-application activities, staff and management interactions with industry, internal reporting requirements, and the interfaces with stakeholders.

Responsible for receipt and acceptance review of the environmental portion of license renewal applications. Responsible for project management of the environmental review of applications for license renewal, including preparation of an environmental impact statement, coordination with state and federal government agencies and Indian Nations, and the conduct of public meetings and site audits. Responsible for review of environmental issues for operating reactors, including licensing actions such as power uprates and consultation with federal resource agencies (e.g., incidental take statements).

Division of Operating Reactor Licensing (DORL)

Implements the policy, programs, and activities, including coordinating licensing and technical reviews, associated with the overall safety and environmental project management for power reactors located in the Regions. Provides the overall safety and environmental project management and monitors routine operations of power reactors in the Regions. Manages the review and processing of license amendments and other requests requiring NRC approval. Serves as headquarters contact with licensees, the Regions, and other stakeholders in matters pertaining to assigned facilities. Coordinates other licensing tasks such as evaluating information received from licensees in response to NRC requests, preparing responses to public petitions and correspondence associated with individual licensees, and providing assistance to the Regions or other NRC organizations. Coordinates and provides presentations to the Commission, the Advisory Committee for Reactor Safeguards (ACRS), industry groups, and other government offices on licensee-related activities.

Division of Inspection and Regional Support (DIRS)

Develops policy and provides overall program management and planning for the reactor inspection and performance assessment programs for commercial nuclear power plants. Develops and oversees the radiation protection inspection and licensing programs. Implements programs and procedures to systematically assess and screen daily reactor events, recommends immediate corrective plant-specific and generic actions, and coordinates follow-up activities after events. Develops programs and guidelines to improve generic technical specifications (TSs) and provides NRR interpretations of TS requirements. Develops policies and guidance and implements the national program for the licensing of nuclear reactor operators. Develops programs and conducts reviews to ensure the effective consideration of

human factors engineering in nuclear power plant design and operation and the adequacy of facility training programs and emergency operating procedures.

Associate Director for Risk Assessment and New Projects (ADRA)

Provides overall policy, planning and management direction for the project and technical review of design certifications, early site permits, and combined license applications. Provides management direction of probabilistic risk assessment activities, rulemaking, and policy and program implementation in licensee financial, insurance, indemnity, and antitrust matters. Provides management direction for the agency's Generic Communication program and its oversight of licensees that possess decommissioning plants or operate research and test reactors. Interacts with the other associate directors to resolve or recommend resolution of policy and office-level programmatic issues.

Division of New Reactor Licensing (DNRL)

Responsible for the project management organization for design certification application reviews, early site permit (ESP) application reviews, combined license (COL) application reviews, and new reactor pre-application activities. Develops and maintains the necessary regulatory infrastructure to support new reactor licensing activities, including rulemaking, guidance development, interaction with stakeholders on issues pertaining to new reactors, large-scale project management tools, schedule and resource planning and tracking, and issuance of design certifications, ESPs, and COLs.

Division of Risk Assessment (DRA)

Provides leadership for development and implementation of risk informing the NRC's Part 50 regulatory processes. Develops and implements policies and guidance for the use of probabilistic risk assessments (PRA) and associated analyses in regulatory decision making. Applies risk informed methods to support resolution of regulatory issues. Provides risk assessment support in areas of plant security and utility actions to reduce potential vulnerabilities.

In the areas of fire protection and dose assessment, evaluates plant-specific licensing actions and generic issues, develops regulations and regulatory guidance, and supports the reactor oversight programs. Participates in the development of a technology neutral framework to support the risk informing of 10 CFR Part 50. Executes these activities utilizing risk methods along with a deterministic approach, thus supporting the Commission's Final Policy Statement on the Use of Probabilistic Risk Assessment Methods in Nuclear Regulatory Activities (FR, Vol. 60, p. 42622, August 16, 1995).

Division of Policy and Rulemaking (DPR)

Responsible for the development, documentation, and implementation of policies, procedures and program management for NRR rulemaking, including regulatory analysis and the process for maintaining the Code of Federal Regulations associated with reactor regulation; financial reviews, including decommissioning funding assurance, insurance, and indemnification; reviews of amendments to antitrust license conditions; generic communications; topical reports; licensing processes, including Notices of Enforcement Discretion (NOEDs), §2.206 petitions, and regional task interface agreements (TIAs); interoffice coordination, including coordination of reactor-related reports, research user needs and regulatory guides; and, coordination with industry groups, including the Nuclear Energy Institute, the Electric Power Research Institute, the American Society for Mechanical Engineers, owners groups, reactor vendors, and other industry groups. Responsible for all licensing and oversight for operating research and test reactors, including conduct of operator licensing and coordination of security and decommissioning activities.

OFFICE OF NUCLEAR REACTOR REGULATION (NRR)

PROPOSED FUNCTIONAL STATEMENTS

Responsible for the Nuclear Regulatory Commission's nuclear reactor safety mission. Conducts a broad range of regulatory activities in the four primary program areas of rulemaking, licensing, oversight, and incident response for commercial operating nuclear power reactors, and test and research reactors to protect the public health, safety, and the environment and to promote the common defense and security. NRR works with the Office of New Reactors, the regions, and other offices to accomplish the agency mission.

Program Management, Policy Development and Planning Staff (PMAS)

Provides leadership and manages strategic and programmatic planning, short-range program planning, resource forecasting and allocation, and budgeting through the planning, budgeting, and performance management process. Manages, controls, and coordinates the execution of the office's financial resources and contracting activities. Provides independent review of office policy papers and issues to ensure consistency with budgeted resources, and adherence to agency and office policies. Provides oversight and support of information management and technology. Provides administrative and management support in areas including human resource management, facility management, training, Freedom of Information Act coordination, and principal correspondence. Facilitates continuous organizational improvement by developing and improving Office infrastructure. Coordinates the NRC Regulatory Information Conference.

Associate Director for Engineering and Safety Systems (ADES)

Provides management direction of technical evaluations and assessment of technical issues including safety systems and engineering for operating reactors. Interacts with the other associate director and other offices to resolve or recommend resolution of policy on major office-level programmatic issues. Responsible for the NRR allegations program.

Division of Safety Systems (DSS)

Performs systems-related safety evaluations of licensee implementation of NRC requirements, changes to existing licenses and provides technical support and expertise for special projects, programs, and policy activities. Reviews and evaluates design-basis and severe accident issues as they relate to current operating plants.

Division of Component Integrity (DCI)

Performs engineering-related safety evaluations of licensees' implementation of NRC requirements, changes to existing licenses (including license renewals), topical reports, and ASME Code changes. Provides engineering expertise for special inspections, projects, programs, and policy activities. Reviews and evaluates the design, fabrication, inspection, evaluation, and repair of reactor coolant system and other ASME class components and mechanical equipment and components. Reviews focus on materials engineering issues such as corrosion, nondestructive examination, flaw evaluation, welding, as well as mechanical engineering issues such as component design, qualification, aging degradation, performance, and testing.

Division of Engineering (DE)

Performs engineering-related safety reviews and quality assurance-related reviews of licensees' implementation of NRC requirements and changes to existing licenses (including license renewals). Provides engineering expertise for special inspections, projects, programs, and policy activities. Reviews focus on engineering mechanics, geosciences, civil engineering, instrumentation and control, electrical engineering and related areas.

Associate Director for Operating Reactor Oversight and Licensing (ADRO)

Provides overall policy, planning, and management direction for the project management and technical review of operating reactor licensing and license renewal activities, environmental issues, standard technical specifications, and the reactor inspection and performance assessment programs. Provides management direction of technical evaluations and assessment of technical issues involving: operating licensing, human factors, and radiation protection. Interacts with the other associate director and other offices to resolve or recommend resolution of policy and office-level programmatic issues.

Division of License Renewal (DLR)

Responsible for receipt and acceptance review of license renewal applications. Responsible for project management of the safety review of the applications, preparation of a safety evaluation report, ACRS presentations, and preparation of the renewed license. Responsible for developing and implementing policies, processes, and guidance documents associated with review and approval of license renewal applications. Responsible for conducting on-site safety review audits of license renewal applications for the license renewal process. Responsible for license renewal pre-application activities, staff and management interactions with industry, internal reporting requirements, and the interfaces with stakeholders.

Responsible for receipt and acceptance review of the environmental portion of license renewal applications. Responsible for project management of the environmental review of applications for license renewal, including preparation of an environmental impact statement, coordination with state and federal government agencies and Indian Nations, and the conduct of public meetings and site audits. Responsible for review of environmental issues for operating reactors, including licensing actions such as power uprates and consultation with federal agencies (e.g., incidental take statements).

Division of Operating Reactor Licensing (DORL)

Implements the policy, programs, and activities, including coordinating licensing and technical reviews, associated with the overall safety and environmental project management for operating power reactors. Manages the review and processing of license amendments and other requests requiring NRC approval and review. Serves as headquarters contact with licensees, the Regions, and other stakeholders in matters pertaining to operating nuclear power plants. Coordinates other licensing tasks such as evaluating information received from licensees in response to NRC requests, preparing responses to public petitions and correspondence associated with individual licensees, and providing assistance to the Regions or other NRC organizations. Coordinates and provides presentations to the Commission, ACRS, industry groups, and other government offices on licensee-related activities.

Division of Inspection and Regional Support (DIRS)

Develops policy and provides overall program management and planning for the reactor inspection and performance assessment programs for commercial operating nuclear power plants. Develops and oversees the radiation protection inspection and licensing programs. Implements programs and procedures to systematically assess and screen daily reactor events, recommends immediate corrective plant-specific and generic actions, and coordinates follow-up activities after events. Develops programs and guidelines to improve generic technical specifications and provides NRR interpretations of TS requirements. Develops policies and guidance and implements the national program for the licensing of nuclear reactor operators. Develops programs and conducts reviews to ensure the effective consideration of human factors engineering in nuclear power plant design and operation and the adequacy of facility training programs and emergency operating procedures.

Division of Policy and Rulemaking (DPR)

Responsible for the development, documentation, and implementation of policies, procedures and program management for reactor rulemaking, including regulatory analysis and the process for maintaining the Code of Federal Regulations associated with reactor regulation; financial reviews, including decommissioning funding assurance, insurance, and indemnification; reviews of amendments to antitrust license conditions; generic communications; topical reports; licensing processes, including NOEDs, §2.206 petitions, and regional TIAs; interoffice coordination, including coordination of reactor-related reports, research user needs and regulatory guides; and, coordination with industry groups, including the Nuclear Energy Institute,

the Electric Power Research Institute, the American Society for Mechanical Engineers, owners groups, reactor vendors, and other industry groups. Responsible for all licensing and oversight for operating research and test reactors, including conduct of operator licensing and coordination of security and decommissioning activities. Coordinates with Office of Nuclear Security and Incident Response on safeguards, security, and offsite emergency preparedness. Coordinates with the Office of New Reactors on rulemaking regarding new reactor facilities.

OFFICE OF NEW REACTORS (NRO)

PROPOSED FUNCTIONAL STATEMENTS

Responsible for accomplishing key components of the Nuclear Regulatory Commission's nuclear reactor safety mission for new reactor facilities licensed in accordance with 10 CFR Part 52. As such, NRO is responsible for regulatory activities in the primary program areas of siting, licensing and oversight for new commercial nuclear power reactors, to protect the public health, safety, and the environment and to promote the common defense and security. NRO works with the regions and other offices to accomplish the agency mission.

Division of Safety System & Risk Assessment (DSS)

Performs systems-related safety evaluations of applications for new facilities or designs and provides technical support and expertise for special projects, programs, and policy activities. Reviews and evaluates design-basis and severe accident issues as they relate to advanced plant designs and combined licenses.

Develops and implements policies and guidance for the use of probabilistic risk assessments (PRA) and associated analyses in regulatory decision making for new reactors. Applies risk informed methods to support resolution of regulatory issues. Reviews PRA submittals and severe accident design features related to the certification and licensing of advanced designs. Provides risk assessment support in areas of plant security and utility actions to reduce potential vulnerabilities.

Division of Engineering (DE)

Performs engineering-related safety reviews and quality assurance-related reviews of applications for design certification, early site permits, combined licenses, and new reactor pre-application activities. Provides technical expertise to support regional activities, special projects, programs, and policy activities. Reviews may be in support of topical reports, ASME Code changes, or new reactor designs.

Division of Siting and Environmental Review (DSER)

Responsible for early site permit and environmental portion of COL application reviews. Develops and maintains the necessary regulatory infrastructure to support issuance of ESPs. Responsible for interactions with stakeholders on issues related to ESP activities including Congress, the Commission, ACRS, applicants, and other stakeholders.

Division of New Reactor Licensing (DNRL)

Responsible for the project management for design certification application reviews, combined license application reviews, and new reactor pre-application activities. Develops and maintains the necessary technical and programmatic support for new reactor licensing activities, guidance development, interaction with stakeholders on issues pertaining to new reactors, large-scale project management tools, schedule and resource planning and tracking, and issuance of design certifications and COLs.

Division of New Reactor Oversight (DNRO)

Develops policy and provides overall program management and planning for the Construction Inspection Program for new commercial nuclear power plants. Coordinates with Region II, the Office of Nuclear Reactor Regulation, and other offices in support of the new reactor oversight program. Develops programs and conducts reviews to ensure the effective consideration of human factors engineering in nuclear power plant design and the adequacy of facility training programs and emergency operating procedures.

REGION II

PROPOSED FUNCTIONAL STATEMENTS

Deputy Regional Administrator for Construction

Executes established NRC policies and assigned programs relating to inspection, licensing, enforcement, investigation, and governmental liaison for construction inspection program activities for reactors and fuel cycle facilities, nationwide.

Division of Construction Projects

Implements and coordinates the inspection of construction and fabrication activities for new reactors and fuel cycle facilities. Performs related project management activities. Supervises and directs the resident inspection staff at each reactor construction site and coordinates site inspection activities with the Division of Construction Inspection. The span of activities includes, but is not limited to, inspections; enforcement; assessment; allegation follow-up; and the recruiting and training of staff. Assists the Office of New Reactors and the Office of Nuclear Material Safety and Safeguards in the development of the necessary regulatory infrastructure to support reactor and fuel cycle facility construction activities. Coordinates with the Office of New Reactors, the Office of Nuclear Reactor Regulation, the Office of Nuclear Material Safety and Safeguards, and the host regional office. Serves as the contact with applicants, Headquarters offices, external stakeholders, and the public for construction activities.

Division of Construction Inspection

Implements assigned portions of the construction inspection program and the vendor inspection program for all new reactors and fuel facilities. Provides specialized technical support to the Division of Construction Projects. Serves as the focal point for coordinating with technical counterparts and referring potential generic insights to Headquarters. Coordinates with the technical divisions in the Office of New Reactors, the Office of Nuclear Reactor Regulation, the Office of Nuclear Security and Incident Response, and the Office of Nuclear Material Safety and Safeguards.