

Nuclear Reactors

Power Reactors

- Confirmed implementation of post-Fukushima safety enhancements related to the mitigating strategies, spent fuel pool instrumentation, and severe-accident-capable hardened containment vent orders; completed post-Fukushima flood and seismic hazard reevaluation activities for over three-quarters of reactor sites; completed all post-Fukushima activities for approximately one-half of reactor sites
- Completed more than 1,300 licensing actions and other licensing tasks, while also reviewing a number of nuclear power plant license renewal applications
- Issued combined licenses for Turkey Point Units 6 and 7 (FL)
- Continued oversight of construction at two new reactors at Vogtle (GA)
- Completed all required inspection and assessment activities of the Reactor Oversight Process, including initiating four inspections in response to safety-significant events
- Participated in Eagle Horizon 2017 and 2018, a national-level exercise that tested the NRC's ability to relocate senior managers during a Continuity of Operations event
- Continued to conduct force-on-force security inspections at U.S. nuclear power plants, testing licensees' abilities to protect against the design-basis threat
- Executed the first series of full-implementation cyber security inspections
- Published extensive research results on a variety of topics related to operating facility safety, severe accident analysis, improved methods for risk assessment, reliability of examination methods for primary system boundary components, seismic analysis guidelines, and fire phenomena for electrical faults
- Strengthened nuclear safety cooperation through more than 100 active international agreements, including new international partnerships under the recently created Radiation Protection Analysis Program
- Completed the regulatory basis for the proposed Emergency Preparedness for Small Modular Reactors and Other New Technologies rulemaking
- Completed the regulatory basis for the proposed Regulatory Improvements for Power Reactors Transitioning to Decommissioning rulemaking

Nonpower Reactors

- Issued a construction permit for Northwest Medical Isotopes, LLC, for a medical isotope production facility in Missouri
- Issued 10-year renewed research and test reactor (RTR) licenses for GE Hitachi's Vallecitos Nuclear Center, Massachusetts Institute of Technology, and Pennsylvania State University

Materials and Waste

- Issued the Agreement State Policy Statement, which describes the respective roles and responsibilities of the NRC and Agreement States in the administration of programs carried out under Section 274 of the Atomic Energy Act of 1954, as amended
- Completed approximately 1,600 radioactive materials licensing actions
- Completed the acceptance review for the consolidated interim storage facility application from Holtec International, Inc.
- Completed 11 Integrated Materials Performance Evaluation Program reviews of Agreement States, finding all adequate to protect public health and safety
- Finalized a memorandum of understanding with the U.S. National Park Service for coordination of response actions involving radioactive materials at the Great Kills Park site in Staten Island, NY
- Completed a comprehensive revision to the Category I fuel cycle security inspection program, including risk-informing and consolidating the inspection procedures for more efficient implementation
- Delivered to the Commission the draft rule package for Cyber Security at Fuel Cycle Facilities rulemaking in the fall of 2017
- Led an interagency task force effort to develop the 2018 quadrennial report to the President and Congress relating to the security of radiation sources in the U.S.

- Completed an in-depth evaluation of the NRC patient release program, which concluded that current regulations are protective of public health and safety
- Completed the modified small quantities protocol rulemaking through a revision of 10 CFR Part 75, "Safeguards on Nuclear Material-Implementation of US/IAEA Agreement"
- Completed all activities involving technical issues associated with Generic Letter 2015-01, "Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities"
- Issued NRC Information Notice 2018-01, "Noble Fission Gas Releases during Spent Fuel Casks Loading Operations"
- Approved a final rule amending requirements for medical uses of radioactive materials (10 CFR Part 35, "Medical Use of Byproduct Material"), which included amending the definition of medical events associated with permanent implant brachytherapy, and changes to training and experience requirements for various users
- Deployed a portal called the Licensing Support Network (LSN) library for searching and analyzing 3.69 million discovery documents related to the U.S. Department of Energy's (DOE's) application for authorization to construct a high-level nuclear waste geologic repository at Yucca Mountain, NV
- Provided two public training webinars on the LSN library and multiple short training clips available on the NRC's YouTube channel

Agencywide

- Continued to reprioritize the agency's work, increase efficiency and effectiveness, and improve the ability to adapt to a changing work environment
- Pursued substantial rulemaking activities on topics including decommissioning of nuclear reactors; mitigation of beyond-design-basis events; performance-based emergency core cooling system acceptance criteria; enhanced weapons, firearms background checks, and security event notifications; cyber security for fuel facilities; enhanced security for special nuclear material; low-level radioactive waste disposal; medical use of byproduct material; and the modified small quantities protocol
- Issued the fiscal year (FY) 2018 proposed fee rule, held a public meeting to support stakeholder outreach, and incorporated the comments received into the final fee rule

International Activities

- Continued representing the NRC as part of U.S. delegations, negotiating agreements for civil nuclear cooperation (Section 123 Agreements)
- Participated in various U.S. Government nuclear safety and security initiatives in collaboration with U.S. executive branch agencies through activities such as meetings of the Nuclear Suppliers Group, International Atomic Energy Agency (IAEA) Board of Governors, Group of Seven (G7) Nuclear Safety and Security Group, and Joint Standing Committees on Nuclear Energy Cooperation
- Participated as part of U.S. Government delegations to international meetings addressing implementation of treaties and conventions, including the Sixth Review Meeting of the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management and the Treaty on the Non-Proliferation of Nuclear Weapons Preparatory Committee meeting
- Participated in the IAEA Annual Meeting of the Standing Advisory Group on Technical Assistance and Cooperation and International Conference on Nuclear Security
- Supported numerous IAEA regulatory peer review missions, including the Integrated Regulatory Review Service and the International Physical Protection Advisory Service
- Arranged assistance projects for more than 100 countries
- Assisted several countries in creating national registries of radioactive sources and provided ongoing support to countries that developed registries through the NRC's Radiation Sources Regulatory Partnership

- Continued regulatory program development assistance, through the NRC's International Regulatory Development Partnership, for about 30 countries considering or operating civilian nuclear power programs

Administration

- Processed 687 Freedom of Information Act (FOIA) requests and 205 appeals in FY 2017, with 60 FOIA requests and three FOIA appeals in the backlog by the end of FY 2017
- Issued 81 escalated enforcement actions, nine actions involving civil penalties, and 62 escalated notices of violation without a proposed civil penalty
- Closed 96 investigations in FY 2017; in 94 percent (90 investigations), developed sufficient information to reach a conclusion regarding substantiated or unsubstantiated allegations of willful wrongdoing
- Continued to conduct agency outreach to audiences interested in NRC activities, including through the use of social media
- Awarded and maintained a portfolio of more than 610 contracts and interagency agreements with obligations in excess of \$290 million in FY 2017
- Received 81 proposals for the Integrated University Program and awarded 46 grants in FY 2017: 16 faculty development, 12 scholarship, 13 fellowship, and five trade school/community college scholarships; awarded \$15 million in grants to 34 academic institutions
- Awarded \$2.34 million in grants to seven Minority Serving Institutions in FY 2017

Public Meetings and Involvement

- Hosted the annual Regulatory Information Conference, where thousands of participants from around the world discussed the latest technical issues
- Conducted approximately 1,000 public meetings in the Washington, DC, area and around the country addressing a full range of NRC issues
- Conducted 10 full committee meetings of the Advisory Committee on Reactor Safeguards and approximately 40 subcommittee meetings in calendar year 2017
- Held two public meetings of the Advisory Committee on the Medical Uses of Isotopes in calendar year 2017

News and Information

- Continued to use the NRC Web site and free listserv subscription services at <https://www.nrc.gov/public-involve/listserver.html> to post and distribute NRC news releases
- Continued using social media to share information with the public using platforms that address the major categories of social communication, with a focus on social networking and microblogging (Facebook and Twitter)
- Gained more than 900 followers on Twitter and sent approximately 480 tweets; gained nearly 1,300 page likes and published more than 170 posts on Facebook
- Issued 182 news releases in FY 2017

For more information on the agency's accomplishments, go to <https://www.nrc.gov/reading-rm/doc-collections/congress-docs/>.