

## Nuclear Reactors

### Power Reactors

- confirmed implementation of post-Fukushima safety enhancements related to the mitigating strategies and spent fuel pool instrumentation orders; resolved and closed remaining Tier 2 and 3 recommendations
- completed more than 1,200 licensing actions and other licensing tasks, while also reviewing a number of nuclear power plant license renewal applications
- issued combined licenses for Levy County Units 1 and 2 (Florida), Williams States Lee Units 1 and 2 (South Carolina), and North Anna Unit 3 (Virginia)
- issued the final environment impact statement and final safety evaluation report for the Turkey Point Units 6 and 7 (Florida) combined license application
- continued oversight of construction at two new reactor construction sites—one reactor site announced cease of construction activity on July 31, 2017
- completed all required inspection and assessment activities of the Reactor Oversight Process, including initiating six inspections in response to safety-significant events
- participated in Eagle Horizon 2016 and 2017, a national-level exercise that tested the NRC's ability to relocate senior managers during a Continuity of Operations event
- completed the fourth full cycle of force-on-force security inspections at U.S. nuclear power plants, testing licensees' abilities to protect against a design-basis threat
- completed comprehensive review of security plans for three decommissioning reactor sites, the first such reviews since 2001
- strengthened nuclear safety cooperation through more than 100 active international agreements, including new international partnerships under the recently created Radiation Protection Analysis Program
- published extensive research results on a variety of topics related to operating facility safety, including analysis of cladding behavior during postulated accident conditions, fracture toughness of cast stainless steel under irradiated and thermal conditions, and improvements to fire probabilistic risk assessment accuracy

### Nonpower Reactors

- continued reviewing a construction permit application for Northwest Medical Isotopes, LLC, for a medical isotope production facility in Missouri
- eliminated the backlog of license renewal requests for research and test reactors

## Materials and Waste

- completed approximately 1,800 radioactive materials licensing actions
- issued NUREG-1927, Revision 1, "Standard Review Plan for Renewal of Specific Licenses and Certificates of Compliance for Dry Storage of Spent Nuclear Fuel," Final Report
- completed the acceptance review for the consolidated interim storage facility applications from Waste Control Specialists, LLC and Holtec International, Inc
- completed nine Integrated Materials Performance Evaluation Program reviews of Agreement States, finding all adequate to protect public health and safety
- issued a source and byproduct materials license to AUC LLC for its Reno Creek In Situ Recovery Project in Campbell County, WY
- issued a major license amendment to Uranerz Energy Corporation for its Nichols Ranch In Situ Recovery Project in Powder River Basin, WY
- worked with other Federal agencies (U.S. Department of Energy, U.S. Department of State, and U.S. Environmental Protection Agency) to complete the sixth review cycle of the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management
- completed the Regulatory Basis for the proposed Rulemaking for Cyber Security at Fuel Cycle Facilities
- issued a report to Congress that evaluates the effectiveness of the requirements of Title 10 of the *Code of Federal Regulations* Part 37, "Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material"

- issued the Tribal Policy Statement, establishing general policy principles to promote effective government-to-government interactions with American Indian and Alaska Native Tribes, and to encourage and facilitate Tribal involvement in areas where the Commission has jurisdiction
- deployed a portal for searching and analyzing 3.6 million documents related to the U.S. Department of Energy's (DOE) application for authorization to construct a high-level nuclear waste geologic repository at Yucca Mountain, NV

## 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
- deployed a centralized, web-based tracking and reporting system in March 2017 to provide real-time updates on all NRC rulemaking activities at <https://www.nrc.gov/about-nrc/regulatory/rulemaking/rules-petitions.html>
- issued the fiscal year (FY) 2016 proposed fee rule, held a public meeting to support stakeholder outreach, and incorporated the comments received in the final fee rule

## International Activities

- participated in various U.S. Government nuclear safety and security initiatives in collaboration with U.S. executive branch agencies through activities such as Nuclear Suppliers Group meetings 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 Seventh Review Meeting for the Convention on Nuclear Safety
- participated in the International Atomic Energy Agency's (IAEA) Annual Meeting of the Standing Advisory Group on Technical Assistance and Cooperation and high-level International Conference on Nuclear Security
- provided updates on the status of the Convention on Nuclear Safety Open-Ended Working Group proposal at the 2017 G7 Nuclear Safety and Security Group meeting
- represented the NRC at the European Commission's high-level seminar on International Nuclear Cooperation: Expectations and Responsibilities
- supported several IAEA regulatory peer review missions, such as the Integrated Regulatory Review Service and the International Physical Protection Advisory Service
- participated with the U.S. executive branch agencies in the United States-Republic of Korea High Level Bilateral Commission meeting to discuss civilian nuclear programs
- arranged assistance projects for more than 140 countries
- supported completion of verified national registries of radioactive sources, through the NRC's Radioactive Sources Regulatory Partnership, for about 20 regulatory counterparts
- continued regulatory program development assistance, through the NRC's International Regulatory Development Partnership, for about 30 countries considering civilian nuclear power programs
- continued participation on the U.S. delegation to the Nuclear Suppliers Group
- represented the NRC on the U.S. delegation to the Treaty on the Non-Proliferation of Nuclear Weapons Preparatory Committee meeting
- continued representing the NRC on the U.S. delegation negotiating agreements for civil nuclear cooperation (Section 123 Agreements)

## Administration

- processed 753 Freedom of Information Act (FOIA) requests and 166 appeals in FY 2016, with 21 FOIA requests and one FOIA appeal in the backlog by the end of FY 2016
- Issued 89 escalated enforcement actions, 16 actions involving civil penalties, and 61 escalated notices of violation without a proposed civil penalty
- 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 700 contracts and interagency agreements with obligations in excess of \$317 million in FY 2016
- supported U.S. General Services Administration (GSA) signing a succeeding lease on the NRC's behalf in December 2016 for the continued occupancy of the Technical Training Center in Chattanooga, TN, allowing the NRC to remain at the location through 2036
- supported GSA signing a succeeding lease on the NRC's behalf in April 2016, effective in December 2018, for the continued occupancy of Two White Flint North through December 2033
- In FY 2016, the NRC received 85 proposals for the Integrated University Program and awarded 51 grants: 12 faculty development, 17 scholarship, 15 fellowship, and 7 trade school/ community college scholarships; awarded \$15 million in grants to 39 academic institutions
- awarded \$1.98 million in grants to 9 Minority Serving Institutions in FY 2016

## Public Meetings and Involvement

- hosted the annual Regulatory Information Conference and the Fuel Cycle Information Exchange, 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 9 full committee meetings of the Advisory Committee on Reactor Safeguards and approximately 70 subcommittee meetings in calendar year 2016
- held six public meetings of the Advisory Committee on the Medical Uses of Isotopes in calendar year 2016

## News and Information

- continued to use the Web site and free listserv subscription services at <https://www.nrc.gov/public-involve/listserver.html> to post NRC news releases
- continued using social media as a communication tool to allow the public to stay connected and share NRC information through the NRC Blog, Twitter, Flickr, YouTube, and Facebook

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