

# INFORMATION REPORT

December 23, 2010

SECY-10-0163

For: The Commissioners

From: Mary C. Muessle  
Assistant for Operations  
Office of the Executive Director for Operations

Subject: WEEKLY INFORMATION REPORT - WEEK ENDING  
DECEMBER 17, 2010

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\*No input this week.

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Office of Nuclear Reactor Regulation (NRR)  
Items of Interest  
Week Ending December 17, 2010

Grand Gulf Unit 1 Extended Power Uprate Acceptance

By application dated September 8, 2010, the licensee requested a 13% extended power uprate (EPU) for Grand Gulf Unit 1. By letter dated November 9, 2010, the staff identified several information needs in order to accept the application, and by letters dated November 18 and 23, 2010, the licensee provided the supplemental information. By letter dated December 9, 2010, the staff informed the licensee that the application provides technical information in sufficient detail to enable the staff to proceed with the detailed technical review. The application requests NRC approval in 14 months from the application date with implementation upon startup from the spring 2012 refueling outage. NRC's standard review time for an EPU is 12 months after NRC's acceptance of the application.

Pre-licensing Meeting with Pacific Gas and Electric Company (PG&E)

On December 9, 2010, representatives of PG&E and the staff met to discuss the licensee's plans to submit a license amendment to incorporate management of new geotechnical seismic information into its design and licensing basis for Diablo Canyon Power Plant, Units 1 and 2.

Briefing to the Advisory Committee on Reactor Safeguards

On December 13 and 14, 2010, the staff provided briefings to the Advisory Committee on Reactor Safeguards Subcommittee regarding licensees' transition to National Fire Protection Association (NFPA) Standard 805. The topics discussed related to the Commission request in SRM-M100609B to conduct a review of the current state of licensees' efforts to transition to NFPA 805.

Issuance of Crystal River Unit 3 Nuclear Generating Plant License Renewal Safety Evaluation Report with Open Items

On December 14, 2010, the staff issued the Safety Evaluation Report (SER) with Open Items related to the Crystal River Unit 3 Nuclear Generating Plant (CR-3) license renewal application. By letter dated December 16, 2008, Florida Power Corporation submitted an application requesting the extension of the CR-3 operating license for an additional 20 years. The SER has nine open items (e.g., aging management of the containment given recent operating experience and event-driven inspection of potentially submerged cables) and two confirmatory items (consistency of the Compressed Air Monitoring Program and the leak-before-break analysis of cast austenitic stainless steel piping). The staff is scheduled to meet with the Advisory Committee on Reactor Safeguards Subcommittee on January 12, 2011, to discuss the SER with Open Items.

Issuance of the Renewed Operating License for Duane Arnold Energy Center

On December 16, 2010, the operating license for Duane Arnold Energy Center was renewed authorizing operation for an additional 20 years beyond the original license expiration date. The

new expiration date is February 21, 2034. The staff completed the review as documented in the SER, NUREG-1955, published November 2010 and Supplement 42 to the Generic Environmental Impact Statement for License Renewal of Nuclear Plants, NUREG-1437, published in October 2010. The issuance of the Duane Arnold Energy Center renewed license brings the total number of renewals to 61 reactor units.

#### Fire Protection Meeting on NFPA 805 Frequently Asked Questions (FAQs)

On December 16, 2010, the staff held a Category 2 public meeting with the Nuclear Energy Institute NFPA Standard 805 Task Force, other stakeholders, and the public, to discuss the FAQs related to licensees' adoption of NFPA 805. The staff began holding these monthly public meetings in July 2006 and expects to continue holding them at least throughout the transition period for the pilot plants adopting NFPA 805.

#### Issued Safety Evaluation Template for NFPA 805 License Amendment Requests

The staff publicly has issued a Safety Evaluation template that will be used to expedite the review of future NFPA 805 license amendment requests. The template (ADAMS Accession No. ML102170233) incorporates the lessons learned from the Shearon Harris Nuclear Plant pilot application as well as stakeholders' comments received through a series of six public meetings that took place throughout CY 2010. This template does not represent additional requirements or guidance for plants transitioning to NFPA 805, nor does it represent new technical positions of the NRC staff.

Office of Nuclear Material Safety and Safeguards (NMSS)  
Items of Interest  
Week Ending December 17, 2010

Final Safety Evaluation Report for the Mixed Oxide Fuel Fabrication Facility

On December 13, 2010, NMSS approved the issuance of the Official Use Only (OUO) version of the final Safety Evaluation Report (SER) for the license application by Shaw AREVA MOX Services, LLC, to possess and use radioactive material at the Mixed-Oxide Fuel Fabrication Facility at the U.S. Department of Energy's Savannah River Site near Aiken, South Carolina. The SER was reviewed and approved by the Advisory Committee on Reactor Safeguards. The OUO version contains sensitive-security related information. Staff is preparing a redacted SER, which will be published as a NUREG and publically available.

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Office of Nuclear Regulatory Research (RES)  
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Publication of Regulatory Guide (RG) 3.12, "General Design Guide for Ventilation Systems of Plutonium Processing and Fuel Fabrication Plants"

On December 17, 2010, RES staff published RG 3.12, "General Design Guide for Ventilation Systems of Plutonium Processing and Fuel Fabrication Plants." This guide describes a method that the NRC staff considers acceptable for use in complying with Title 10, Section 70.23(a)(3) of the Code of Federal Regulations (10 CFR 70.23(a)(3)), and 10 CFR 70.23(a)(4) on the design of ventilation systems for plutonium processing and fuel fabrication plants. RG 3.12 is available on the NRC Web site at <http://www.nrc.gov/reading-rm/doc-collections/reg-guides/fuels-materials/rg/>.

RES Publication of RG 5.80, "Pressure-Sensitive and Tamper-Indicating Device Seals for Material Control and Accounting of Special Nuclear Material"

On December 17, 2010, RES staff published RG 5.80. This RG replaces the existing RG 5.10, "Selection and Use of Pressure-Sensitive Seals on Containers for Onsite Storage of Special Nuclear Material," issued July 1973 and the existing RG 5.15, "Tamper-Indicating Seals for the Protection and Control of Special Nuclear Material," issued March 1997. This RG describes a number of recently improved tamper-indicating devices (TIDs) and pressure-sensitive seals developed primarily in response to commercial interests outside the nuclear industry. Among other things, it distinguishes between genuine and nongenuine manufactured seals, stresses serial number identification, and incorporates recommendations for ensuring that TIDs are properly applied. RG 5.80 is available on the NRC Web site at <http://www.nrc.gov/reading-rm/doc-collections/reg-guides/protection/rg/>.

Office of Administration (ADM)  
Items of Interest  
Week Ending December 17, 2010

Contract for High-Burn-up Mixed-Oxide Fuel (HBU-MOX) Source Term Peer Review

On December 10, 2010, a competitive Federal Supply Schedules delivery order (NRC-HQ-11-F-04-0001) was awarded to Energy Research, Inc., a small business located in Rockville, Maryland, to organize and conduct a peer review of the recommended source term for reactors with HBU-MOX and to provide an independent assessment of the suitability of this source term for containment equipment qualification and siting dose calculations. The period of performance is one year from January 1, 2011 to December 31, 2011, with no options. The total price is \$171,562.12.

Domestic Licensing of Production and Utilization Facilities; Updates to Incorporation by Reference of Regulatory Guides; Correction (NRC-2009-0014, RIN 3150-A137)

On December 10, 2010 (75 FR 76923), NRC published a correction to a final rule that was published in the *Federal Register* on October 5, 2010 (75 FR 61321). The final rule amended the NRC's regulations to incorporate by reference the latest revisions of two previously incorporated regulatory guides. This document is necessary to add a line of regulatory text that was inadvertently omitted from the final rule. The correction was effective on December 10, 2010, and is applicable beginning November 4, 2010, the date the original rule became effective.

Office of Information Services (OIS)  
Items of Interest  
Week Ending December 17, 2010

Freedom of Information Act (FOIA) and Privacy Act (PA) Requests Received During the Period of December 10, 2010, through December 16, 2010:

Effect of Local Heat Flux Spikes on DNB in Nonuniformly Heated Rod Bundles, 1975, WCAP-8202-A, non-proprietary version	FOIA/PA-2011-0044
Indian Point Unit 2 #21 main transformer, all documentation re: release or loss of dielectric fluid/oil that resulted in failure on November 7, 2010, including correspondence between NRC and Entergy and other federal/state agencies	FOIA/PA-2011-0045
Senior Reactor Operators License, 1986-1992, for named individual, copy of docket	FOIA/PA-2011-0046
Material License Tracking System (MLTS), Active and Retired Facilities	FOIA/PA-2011-0047
NRC-DOE Memorandum of Understanding on Next Generation Nuclear Plants finalized between April 2006 and September 2008	CON-2011-0003

Office of Public Affairs (OPA)  
Items of Interest  
Week Ending December 17, 2010

OPA Received Significant Media Inquiries on the Following:

The proposed rule incorporating consideration of aircraft impacts into the Advanced Boiling Water Reactor Design Certification.

Control-rod problems that led to a shutdown of Peach Bottom Unit 2.

The U.S. Appeals Court's decision to lift its stay in the Yucca Mountain case and proceed even without Commission action on the Atomic Safety and Licensing Board's June ruling.

Exelon's plan to close the Oyster Creek (New Jersey) nuclear power plant in 2019 rather than build cooling towers.

A petition filed by Three Mile Island Alert challenging decommissioning funding for Three Mile Island Unit 2.

Other Public Affairs Items

A Region I public affairs officer participated in a taped radio interview for a New Jersey station on the eventual decommissioning of Oyster Creek.

OPA staff supported public meetings for Browns Ferry, Prairie Island and Callaway.

<b>Press Releases Issued</b>	
<b>Headquarters:</b>	
10-217	NRC Seeks Comment on Draft Rule Amending ABWR Certification to Include Consideration of Aircraft Impacts (12/16/10)
10-218	NRC Updates Aging Management Document for Reviewing Reactor License Renewal Requests (12/16/10)
10-219	NRC Renews Operating License for Duane Arnold Nuclear Power Plant for an Additional 20 Years (12/16/10)
10-220	NRC Authorizes Restart of Irigaray and Christensen Ranch Uranium Recovery Facility in Wyoming (12/17/10)
10-221	NRC Begins Special Inspection at North Carolina State University's Research Reactor (12/17/10)
<b>Regions:</b>	
	None.

Office of the Secretary (SECY)  
Items of Interest  
Week Ending December 17, 2010

Documents Released to Public	Date	Subject
<b>Decision Documents</b>		
1. COMWCO-10-0001 (REDACTED)	9/14/10	Regulation of Cyber Security at Nuclear Power Plants
2. Commissioner Magwood vote on COMWCO-10-0001 (REDACTED)	9/15/10	(same)
3. SRM-SECY-10-0142	12/14/10	Proposed Rule: U.S. Advanced Boiling Water Reactor Aircraft Impact Design Certification Amendment (RIN 3150-A184)
Commission Voting Record on SECY-10-0142	12/14/10	(same)
4. Commissioner Svinicki vote on COMWCO-10-0001	9/20/10	Regulation of Cyber Security at Nuclear Power Plants
5. Commissioner Apostolakis vote on COMWCO-10-0001	9/23/10	Regulation of Cyber Security at Nuclear Power Plants
6. Chairman Jaczko vote on COMWCO-10-0001	10/7/10	Regulation of Cyber Security at Nuclear Power Plants
<b>Information Papers</b>		
1. SECY-10-0144	10/29/10	Recent Staff Outreach Regarding Specific License Requirement for Exports to Embargoed Destinations
2. SECY-10-0153 (REDACTED)	11/19/10	Cyber Security – Implementation of the Commission’s Determination of Systems and Equipment Within the Scope of Title 10 of the Code of Federal Regulations, Section 73.54
3. SECY-10-0162	12/16/10	Weekly Information Report – Week Ending December 10, 2010

Federal Register Notices Issued

1. Final rule, 10 CFR Part 51, Consideration of Environmental Impacts of Temporary Storage of Spent Fuel after Cessation of Reactor Operation.

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2. Update and final revision of Waste Confidence Decision, Waste Confidence Decision Update.
3. Notice of renewal of the Charter of the Advisory Committee on Reactor Safeguards.
4. Proposed rule; Reopening of comment period – 10 CFR Part 73, Requirements for Fingerprint-Based Criminal History Records Checks for Individuals Seeking Unescorted Access to Research or Test Reactors.
5. Advisory Committee on the Medical Uses of Isotopes, notice of meeting (01/05/2011 and 01/12/2011).

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