

# INFORMATION REPORT

September 21, 2007

SECY-07-0165

For: The Commissioners  
From: Vonna L. Ordaz, Assistant for Operations, Office of the EDO  
Subject: WEEKLY INFORMATION REPORT - WEEK ENDING  
SEPTEMBER 14, 2007

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\*No input this week.

***/RA Tamara E. Bloomer Acting For/***

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Office of Nuclear Reactor Regulation (NRR)  
Items of Interest  
Week Ending September 14, 2007

Meeting with Waterford 3

On September 6, 2007, the staff held a public meeting with the Waterford Unit 3 licensee. The topic of the meeting was the steam generator internals failures, parts termed "batwings," identified in the last two refueling outages at the plant. Specifically, the licensee described inspection plans for its mid-cycle outage, including the scope of the inspections and contingency plans (both additional inspections and possible repairs, if warranted) depending on the results of the planned inspections. NRR staff will provide full support to the regional oversight of the licensee inspection findings as necessary.

Direct Transfers of Four Reactor Licenses from the General Electric Company (GE) to GE-Hitachi Nuclear Energy Americas, LLC

On September 6, 2007, the staff issued an Order approving direct transfers of four reactor licenses from GE to GE-Hitachi Nuclear Energy Americas, LLC. The reactors are at the Vallecitos Nuclear Center, and include three permanently shutdown facilities (the Vallecitos Boiling Water Reactor, the General Electric Test Reactor, the ESADA Vallecitos Experimental Superheat Reactor), and one operating research reactor (the Nuclear Test Reactor).

Purdue Starts High-Enriched Uranium (HEU) to Low-Enriched Uranium (LEU) Fuel Conversion

On September 7, 2007, Purdue University started conversion of its research reactor (PUR-1). The PUR-1 is a 1 kilowatt thermal power, heterogeneous, pool-type reactor that uses Materials Testing Reactor-type plate fuel. No requests for a hearing on the conversion order were received. The first LEU fuel element was placed on the grid plate on September 8, 2007. This action meets the U.S. Department of Energy's (DOE) definition of reactor conversion. The licensee continues with its critical experiment and hope to reach criticality this week.

Regulatory Issue Summary (RIS) 2007-18

On September 7, 2007, the staff issued RIS 2007-18, "Data for Updating the Interim Inventory of Radioactive Sources." RIS 2007-18 informs addressees of a forthcoming survey of data for input into the interim inventory of radioactive sources. The submission of this information will be voluntary.

Discussion with FirstEnergy Nuclear Operating Company (FENOC) - Davis Besse's Proposed Conversion to Improved Technical Specifications

On September 11-12, 2007, the staff held public meetings with FENOC representatives to discuss FENOC's August 3, 2007, application for conversion to Improved Technical Specifications (ITS) for the Davis Besse Nuclear Power Station. The purpose of the meetings was to initiate communications between the NRC staff and FENOC regarding the NRC staff's review of the proposed license amendment request.

Discussion topics included the proposed schedule/milestones for the review of the application, the treatment of beyond scope items, and the project plan revision process. FENOC has requested approval of the ITS conversion license amendment by August 1, 2008.

#### Corrective Action Program Owners Group Meeting

On September 12-14, 2007, the staff attended the Corrective Action Program Owners Group meeting to present information on the interfaces between the Reactor Oversight Process safety culture initiative and corrective action programs and the results from Problem Identification and Resolution inspections. Sessions at the meeting covered a variety of topics related to corrective action programs, including the progress on an industry white paper to define significant conditions adverse to quality.

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ENCLOSURE A

Office of New Reactors (NRO)  
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Order to New Reactor Vendors

On September 12, 2007, the staff issued an Order to new reactor vendors (Westinghouse, GE-Hitachi Nuclear Energy [GEH], AREVA, and Mitsubishi) imposing requirements for the protection of safeguards information (SGI). Vendors must comply with the requirements imposed by the Order before they can receive SGI-level aircraft impact characteristics. These characteristics can be used as a reasonable input by reactor vendors for performing an assessment of their designs, which an upcoming rulemaking will require. The Order is similar to the ones issued previously to Westinghouse and GEH, with additional provisions regarding access to SGI by foreign nationals and restrictions on storage locations. This Order supercedes the earlier Orders.

Awarding of NRO New Reactor Review Commercial Technical Assistance Contracts

On September 13, 2007, the staff completed the notification process related to awarding four NRO new reactor review commercial technical assistance contracts. The contracts were awarded to three local companies, including two small businesses. These contracts extend for five years and encompass all activities from pre-application, environmental, combined license, design certification, regulatory infrastructure and litigation support.

Meeting with the Nuclear Energy Institute (NEI) to Discuss Operator Licensing White Papers

On September 13, 2007, management and staff met with NEI to discuss industry initiatives and issues related to the training, qualification, and licensing of control room operators. Topics discussed included licensed operator experience requirements, use of partial scope simulators for training, licensed operator training challenges, and NUREG changes. No new policy issues were identified during the meeting. The staff raised questions and asked for clarification on White Papers submitted by NEI.

NEI agreed to clarify issues and respond to the questions related to the White Papers.

Office of Nuclear Material Safety and Safeguards (NMSS)  
Items of Interest  
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Munich, Germany, Presentation on Repository Natural Analog Studies

From August 24-September 3, 2007, a Center for Nuclear Waste Regulatory Analyses staff member presented a paper; attended two conferences in Munich, Germany; and visited the Institute for Nuclear Waste Disposal, in Germany. The conferences focused on the geochemical aspects of nuclear waste disposal, and the Institute visit focused on potential future collaborative radionuclide-transport studies.

Eastman Kodak Facility Site Trip

On September 11, 2007, NMSS and Office of Nuclear Security and Incident Response (NSIR) staff members visited the Eastman Kodak facility in Rochester, NY, to discuss security measures Kodak will use during the disassembly, packaging, and shipping of the neutron-flux multiplier. Other attendees included staff from the National Nuclear Security Administration (NNSA), and the U.S. Department of Energy (DOE). They visited the labyrinth and vault and observed the security Kodak has in place for the flux multiplier. Attendees discussed the disassembly process and special security measures Kodak will use during flux-multiplier disassembly, packaging, and transport to the loading dock.

Global Nuclear Energy Partnership Interagency Agreement (IA)

The IA between the NRC and DOE, for the Global Nuclear Energy Partnership (GNEP) program, was finalized on September 12, 2007. Under the IA, DOE will reimburse NRC up to \$1 million for certain GNEP-related efforts, expended by NRC staff through April 30, 2008. The IA authorizes DOE to commit additional funds, up to a total of \$6 million, over the IA's durational period of August 22, 2007, to August 21, 2009. NRC staff's GNEP-related efforts covered by the IA include: (1) participation in technical-information-exchange meetings; (2) review and analysis of GNEP reports and engineering studies; (3) observation of tests, simulations, and demonstrations; (4) participation in facility tours, meetings, and conferences; and (5) development of its knowledge base in GNEP.

Office of Nuclear Regulatory Research (RES)  
Items of Interest  
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Agreement Between the NRC and the Technical Research Centre of Finland (VTT) in the Area of Severe Accident Research

On September 10, 2007, the NRC's Executive Director for Operations signed the subject international Agreement which defines the terms and conditions by which the NRC and the VTT will cooperate in the area of severe accident research. Aside from the NRC gaining additional data and knowledge related to severe accidents, this cooperative agreement will allow for the independent verification of the accuracy of the NRC's MELCOR severe accident code for different accident sequences. The NRC uses the MELCOR code to evaluate potential risk and security scenarios for severe accidents, address regulatory and licensing issues for operating plants, and to review new designs. This Agreement will remain in effect for a period of 3 years.

Visit by RES to the Building and Fire Research Lab (BFRL) at the National Institute of Standards and Technology (NIST)

On September 13, 2007, RES staff, accompanied by the Office and Deputy Office Director, visited NIST's BFRL to discuss current fire research projects between NRC and NIST. Staff witnessed a fire test that NIST is conducting as part of on-going efforts to validate NIST-developed computer fire models, which have been evaluated in NUREG-1824, "Validation and Verification of Selected Fire Models for Nuclear Power Plant Applications, Vols. 1-7." NIST has been a significant partner with the NRC in developing useful tools and guidance for fire modeling and fire testing.

Office of Information Services (OIS)  
 Items of Interest  
 Week Ending September 14, 2007

Freedom of Information Act (FOIA) and Privacy Act (PA) Requests Received During the Period of September 7-September 13, 2007:

National Security Telecommunications & Information Systems Security Committee, meeting minutes (Referral by the National Security Agency)	FOIA/PA-2007-0322
Logs of correspondence between members of Congress & NRC between July 1, 2007 & August 30, 2007	FOIA/PA-2007-0323
Leaks of radioactive water from Indian Point 1 & 2 into groundwater & the Hudson River, all correspondence between NRC & Entergy Nuclear Northeast LLC & any NY State agencies between 4-3-07 & 9-7-07	FOIA/PA-2007-0324
Louisiana Energy Services, LBP-06-17 & LBP-06-15, Third Partial Initial Decision, 2006; Private Fuel Storage, LLC, Docket 72-22-Independent Spent Fuel Storage Installations (ISFSI), Memorandum & Order, 2003 & 2004	FOIA/PA-2007-0325
Huntington Empire Soils Inc., 398 Lincoln Boulevard, Middlesex, NJ, 08846, license 29-30191-01, records on environmental issues	FOIA/PA-2007-0326
Contract NRC3307360, awarded to Telecommunications Solutions Inc., copy of releasable sections A-J & statement of work	FOIA/PA-2007-0327
SECY-99-013 & attachments, dated March 12, 1999	FOIA-PA-2007-0328
Case I-2006-054, transcripts or audiotapes of any & all interviews	FOIA/PA-2007-0329

Requests Completed:

2007-0236  
 2007-0244  
 2007-0248  
 2007-0262  
 2007-0264 (No PDR)  
 2007-0292 (No PDR)  
 2007-0317 (No PDR)  
 2007-0319

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Office of Human Resources (HR)  
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<b>ARRIVALS</b>		
BOWEN, JEREMY	ENGINEER	NRR
BRIGGS, ANTHONY	CONTRACT SPECIALIST (NSPDP)	ADM
COOPER, LATOYA	SECRETARY (OA)	NMSS
EUDY, MICHAEL	PROJECT MANAGER	NRO
HERNANDEZ, CAMMIE	SECRETARY (OA)	RIII
IBARROLA, SHERLYN	REACTOR ENGINEER (NSPDP)	RI
LIM, SHARON	ACQUISITION DATABASE MANAGER	ADM
MOORE, TIFFANY	SECRETARY (OA)	NRO
NEWELL, BRIAN	PARALEGAL SPECIALIST	OGC
OJEDA, JENNIFER	PROGRAM ANALYST	CFO
PRICE, SHIRLEY	BUDGET TECHNICIAN	CFO
SAGE, ALAN	SENIOR IT SPECIALIST (INFOSEC)	IS
SCHMIDT, COLLEEN	SECRETARY (OA)	RIII
SHAH, MARIA	SECRETARY (OA)	CFO
SIMON, MARCIA	LEGAL INTERN	OGC
TAYLOR, THOMAS	REACTOR ENGINEERING/RESIDENT INSPECTOR	RIII
XU, JIM	SENIOR STRUCTURAL ENGINEER	NRO
<b>DEPARTURES</b>		
EMRIT, RONALD	SENIOR REACTOR INSPECTOR	RI
KURTH, MICHAEL	RESIDENT INSPECTOR (BWR)	RIII
MURRY, MAISHA	STUDENT HEALTH PHYSICIST	RI
SITEK, MARK	RESIDENT INSPECTOR (PWR)	RIV
TIJERINA, PATRISHA	STUDENT LAW CLERK	OGC



Office of the Secretary (SECY)  
Items of Interest  
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Document Released to Public	Date	Subject
<b>Decision Documents</b>		
1. SRM-SECY-07-0101	09/10/07	Staff Recommendations Regarding a Risk-Informed and Performance-Based Revision to 10 CFR Part 50
Voting Record on SECY-07-0101	09/10/07	(same)
2. SRM-SECY-07-0104	09/11/07	Proposed Rulemaking – Alternate Fracture Toughness Requirements for Protection Against Pressurized Thermal Shock Events (RIN 3150-A101)
Voting Record on SECY-07-0104	09/11/07	(same)
3. SRM-SECY-07-0112	09/12/07	Staff Evaluation and Proposed Revision to the Public Radiation Safety Significance Determination Process to Address Radioactive Liquid Spills and Leaks
Voting Record on SECY-07-0112	09/12/07	(Same)
<b>Information Papers</b>		
1. SECY-07-0151	08/31/07	Weekly Information Report – Week Ending August 24, 2007
2. SECY-07-0154	09/07/07	Weekly Information Report – Week Ending August 31, 2007
<b>Memoranda</b>		
1. M070822	09/07/07	Periodic Briefing on New Reactor Issues
2. M070904	09/12/07	Briefing on Radioactive Materials Security and Licensing

Commission Correspondence

1. Letter to Jennifer Granholm, Governor of Michigan, dated September 6, 2007, responds to letter announcing the State of Michigan's intent to establish an Agreement with NRC.

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ENCLOSURE O

Federal Register Notices Issued

1. Advisory Committee on Reactor Safeguards (ACRS), Meeting of the Subcommittee on Economic Simplified Boiling Water Reactor Design Certification, notice of meeting (10/2-3/2007).
2. ACRS, Subcommittee Meeting on Planning and Procedures, notice of meeting (10/3/2007).
3. Final rule, 10 CFR Parts 20, 30, 31, 32, 33, 35, 50, 61, 62, 72, 110, 150, 170, and 171, RIN: 3150-AH84, Requirements for Expanded Definition of Byproduct Material.

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