



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 4, 2011

Mr. Dennis R. Madison
Vice President
Southern Nuclear Operating Company, Inc.
Edwin I. Hatch Nuclear Plant
11028 Hatch Parkway North
Baxley, GA 31513

**SUBJECT: ANNUAL ASSESSMENT LETTER - EDWIN I. HATCH NUCLEAR PLANT
(REPORT 05000321/2011001 AND 05000366/2011001)**

Dear Mr. Madison:

On February 8, 2011, the NRC staff completed its end-of-cycle performance review of the Edwin I. Hatch Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Hatch Unit 1 and Unit 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Hatch Unit 1 and Unit 2 for the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

Performance at Hatch Unit 2 was in the Degraded Cornerstone column of the NRC's Action Matrix for the first three quarters of the assessment cycle. In accordance with Manual Chapter 0305, "Operating Reactor Assessment Program," a supplemental inspection (Inspection Procedure 95002, "Supplemental Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area") was completed in the third quarter 2010 (IR 05000321/2010007 AND 05000366/2010007, ML102670412). No significant issues were identified. Therefore, Unit 2 transitioned to the Licensee Response column on October 1, 2010.

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. We also plan on conducting Operator Licensing Examinations, Component Design Basis Inspection, and TI 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems (NRC Generic Letter 2008-01)."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Scott Shaeffer at (404) 997-4521 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Victor M. McCree
Regional Administrator

Docket Nos.: 50-321, 50-366
License Nos.: DPR-57, NPF-5

Enclosure: Hatch Inspection/Activity Plan (01/01/2011 – 06/30/2012)

cc w/encl: (See page 3)

cc w/encl:

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Hatch
Inspection / Activity Plan
01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1, 2	03/28/2011	04/01/2011	PSB1-RP	- RP OCCUPATIONAL WEEK 1	3
			IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1, 2	03/28/2011	04/01/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/28/2011	04/01/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/28/2011	04/01/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/28/2011	04/01/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
2	04/04/2011	04/08/2011	EB3 ISI	- UNIT 2 INSERVICE INSPECTION	1
			IP 7111108G	Inservice Inspection Activities - BWR	
1, 2	04/11/2011	04/15/2011	PSB1-RP	- RP-OCCUPATIONAL WEEK 2	4
			IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1, 2	04/11/2011	04/15/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/11/2011	04/15/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/11/2011	04/15/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/11/2011	04/15/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	04/11/2011	04/15/2011	IP 71151	Performance Indicator Verification	
1	05/16/2011	05/20/2011	OL EXAM	- INITIAL EXAM PREP	5
			V23345	HATCH/JUNE 2011 EXAM AT POWER FACILITIES	
1	06/06/2011	06/10/2011	OL EXAM	- INITIAL EXAM - WEEK 1	5
			V23345	HATCH/JUNE 2011 EXAM AT POWER FACILITIES	
1	06/13/2011	06/17/2011	OL EXAM	- INITIAL EXAM - WEEK 2	5
			V23345	HATCH/JUNE 2011 EXAM AT POWER FACILITIES	
1, 2	09/12/2011	09/16/2011	PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	5
			IP 71152B	Identification and Resolution of Problems	
1, 2	09/26/2011	09/30/2011	IP 71152B	Identification and Resolution of Problems	
1, 2	10/31/2011	11/04/2011	PSB1EP	- EMERGENCY PREPAREDNESS EXERCISE	3
			IP 7111401	Exercise Evaluation	
1, 2	10/31/2011	11/04/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	10/31/2011	11/04/2011	IP 71151	Performance Indicator Verification	
1, 2	01/09/2012	01/13/2012	PSB1-RP	- PUBLIC RADIATION PROTECTION BASELINE	3
			IP 71124.04	Occupational Dose Assessment	
1, 2	01/09/2012	01/13/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	01/09/2012	01/13/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	01/09/2012	01/13/2012	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	01/09/2012	01/13/2012	IP 71151	Performance Indicator Verification	

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Hatch

Inspection / Activity Plan

01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	02/20/2012	02/24/2012	EB3 ISI - UNIT 1 INSERVICE INSPECTION IP 7111108G Inservice Inspection Activities - BWR		1
1	02/27/2012	03/02/2012	LR71003 - PHASE 1: POST APPROVAL LIC RENEWAL IP 71003 Post-Approval Site Inspection for License Renewal		2
1, 2	02/27/2012	03/02/2012	PSB1-RP - RADIOLOGICAL HAZARDS ASSESEMENT IP 71124.01 Radiological Hazard Assessment and Exposure Controls		1
1, 2	04/02/2012	04/06/2012	TI-177 - TI-177 IP 2515/177 Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System		3
1	05/28/2012	06/01/2012	OL EXAM - INITIAL EXAM PREP V23374 HATCH / JUNE 2012 EXAM AT POWER FACILITIES		3
1, 2	06/04/2012	06/08/2012	CDBI - COMPONENT DESIGN BASES INSPECTION IP 7111121 Component Design Bases Inspection		6
1, 2	06/25/2012	06/29/2012	OL EXAM - INITIAL EXAM - WEEK 1 IP 7111121 Component Design Bases Inspection		3
1	06/18/2012	06/22/2012	OL EXAM - INITIAL EXAM - WEEK 2 V23374 HATCH / JUNE 2012 EXAM AT POWER FACILITIES		3
1	06/25/2012	06/29/2012	OL EXAM - INITIAL EXAM - WEEK 2 V23374 HATCH / JUNE 2012 EXAM AT POWER FACILITIES		3

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Enclosure