



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

March 3, 2008

Southern Nuclear Operating Company, Inc.

ATTN: Mr. Dennis R. Madison
Vice President - Hatch

Edwin I. Hatch Nuclear Plant
11028 Hatch Parkway North
Baxley, GA 31513

**SUBJECT: ANNUAL ASSESSMENT LETTER - EDWIN I. HATCH NUCLEAR PLANT
(NRC INSPECTION REPORT 05000321/2008001 AND 05000366/2008001)**

Dear Mr. Madison:

On February 5, 2008, the NRC staff completed its performance review of Edwin I. Hatch Nuclear Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security Related Information" will include the security cornerstone performance review and resultant inspection plan.

Overall, Hatch Unit 1 and Unit 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Unit 1 for the most recent quarter as well as the previous three quarters was within the Licensee Response Column of the NRC's Action Matrix. Therefore, the NRC plans to conduct only baseline inspections at Unit 1 through June 30, 2009.

Plant performance for Unit 2 for the most recent quarter as well as the previous two quarters was within the Regulatory Response Column of the NRC's Action Matrix due to the Mitigating Systems Performance Index, High Pressure Injection System PI crossing the threshold from Green to White in the second quarter of calendar year 2007. Therefore, in addition to the reactor oversight process (ROP) baseline inspection program, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs In a Strategic Performance Area." We have been notified by your staff of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address this White PI. Therefore, we plan to conduct this supplemental inspection the week of March 3, 2008.

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The enclosed inspection plan details the inspections, less those related to security, scheduled through June 30, 2009. In addition, we will be conducting NRC Temporary Instruction (TI) 171 and reactor operator licensing examinations. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

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/adams.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) 562-4521 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Joseph W. Shea, Acting Director
Division of Reactor Projects

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

Enclosure: Hatch Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

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Hatch
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PB2-SUPP - 95001	SUPPLEMENTAL FOR WHITE MSPI-HPIS	1			
2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		03/03/2008	03/07/2008	Supplemental Program
	TI-171 - B.5.B PHASE 2&3		3			
1,2	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		04/07/2008	04/11/2008	Generic Safety Inspectio
	PSB1-EP - EP INSP		1			
1,2	IP 7111402	Alert and Notification System Testing		08/18/2008	08/22/2008	EP Baseline Inspection
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		08/18/2008	08/22/2008	EP Baseline Inspection
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/18/2008	08/22/2008	EP Baseline Inspection
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/18/2008	08/22/2008	EP Baseline Inspection
1,2	IP 71151-EP01	Drill/Exercise Performance		08/18/2008	08/22/2008	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		08/18/2008	08/22/2008	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		08/18/2008	08/22/2008	Baseline Inspections
	OL RQ - REQUAL INSPECTION		2			
1,2	IP 7111111B	Licensed Operator Requalification Program		09/08/2008	09/12/2008	Baseline Inspections
	PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/20/2008	10/22/2008	Baseline Inspections
	PSB1-RP - RADIATION PROTECTION PUBLIC BASELINE		4			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		11/17/2008	11/21/2008	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/17/2008	11/21/2008	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		11/17/2008	11/21/2008	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		11/17/2008	11/21/2008	Baseline Inspections
1,2	IP 71151-OR01	Occupational Exposure Control Effectiveness		11/17/2008	11/21/2008	Baseline Inspections
1,2	IP 71151-PR01	RETS/ODCM Radiological Effluent		11/17/2008	11/21/2008	Baseline Inspections
	EB3ISI - U2 ISI		1			
2	IP 7111108G	Inservice Inspection Activities - BWR		02/23/2009	02/27/2009	Baseline Inspections
	OL EXAM - INITIAL EXAM PREP		4			
1	V23311	HATCH/APRIL 2009 EXAM AT POWER FACILITIES		03/30/2009	04/03/2009	Not Applicable
	OL EXAM - INITIAL EXAM - WEEK 1		4			
1	V23311	HATCH/APRIL 2009 EXAM AT POWER FACILITIES		04/20/2009	04/24/2009	Not Applicable
	EB1-CDBI - COMPONENT DESIGN BASIS INSPECTION		8			
1,2	IP 7111121	Component Design Bases Inspection		04/20/2009	04/24/2009	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		05/04/2009	05/08/2009	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		05/18/2009	05/22/2009	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		06/01/2009	06/05/2009	Baseline Inspections

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

Hatch
Inspection / Activity Plan
03/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
1	OL EXAM - INITIAL EXAM - WEEK 2	HATCH/APRIL 2009 EXAM AT POWER FACILITIES	4	04/27/2009 05/01/2009	Not Applicable

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This report shows only on-site and announced inspection procedures.