



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

August 31, 2006

Southern Nuclear Operating Company, Inc.
ATTN: Mr. L. M. Stinson
Vice President - Hatch Project
P. O. Box 1295
Birmingham, AL 35201-1295

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - EDWIN I.
HATCH NUCLEAR PLANT

Dear Mr. Stinson:

On August 3, 2006, the NRC staff completed its performance review of the Hatch Edwin I. Nuclear Plant for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 the enclosed inspection plan do not include physical protection information. A separate letter, designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390," will include the physical protection review and a resultant inspection plan.

Overall, Hatch Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Hatch Units 1 and 2 for the most recent quarter was in the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. In addition to the baseline inspections, we plan to conduct non-ROP inspections involving Mitigating System Performance Index verification and your Independent Spent Fuel Storage Installation.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to minimize the resource impact on your staff and 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 twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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

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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 the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4521 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Scott M. Shaeffer, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos.: 50-321, 50-366, and 072-36
License Nos.: DPR-57, NPF-5

Enclosure: Hatch Inspection/Activity Plan

cc w/encl: (See page 3)

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Hatch
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	PB2TI169 - MSPI VERIFICATION		2			
1,2	IP 2515/169	Mitigating Systems Performance Index Verification		10/01/2006	12/31/2006	Safety Issues
	OL RQ - REQUALIFICATION INSPECTION		3			
1,2	IP 7111111B	Licensed Operator Requalification Program		10/02/2006	10/06/2006	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL PRE-INSP VISIT/ ISFSI		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/08/2007	01/12/2007	Baseline Inspections
	EB1-MODS - MODIFICATIONS-10CFR50.59		3			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		02/05/2007	02/09/2007	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		02/05/2007	02/09/2007	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP-WEEK 1		2			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/12/2007	02/16/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		02/12/2007	02/16/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		02/12/2007	02/16/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		02/12/2007	02/16/2007	Baseline Inspections
	EB3-ISI - UNIT 2 INSERVICE INSPECTION		1			
2	IP 7111108G	Inservice Inspection Activities - BWR		02/19/2007	02/23/2007	Baseline Inspections
	PSB1-RP - RP OCCUPATIONAL BASELINE INSP- WEEK 2		2			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/26/2007	03/02/2007	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		02/26/2007	03/02/2007	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		02/26/2007	03/02/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		02/26/2007	03/02/2007	Baseline Inspections
	60855.1 - OPERATIONAL ISFSI INSPECTION BY RESIDENT		2			
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		07/09/2007	07/13/2007	Other Routine
	PB2-PI&R - BIENNIAL PI&R PROGRAM INSPECTION		4			
1,2	IP 71152B	Identification and Resolution of Problems		07/30/2007	08/03/2007	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		08/13/2007	08/17/2007	Baseline Inspections
	PS2-EP - EMERGENCY PREPAREDNESS EXERCISE		2			
1,2	IP 7111401	Exercise Evaluation		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/20/2007	08/24/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/20/2007	08/24/2007	Baseline Inspections
	OL PREP - INITIAL EXAM PREPARATION		3			
1	V23274	HATCH/NOVEMBER 2007 EXAM AT POWER FACILITIES		11/05/2007	11/09/2007	Not Applicable
	OL EXAM - INITIAL EXAM		3			
1	V23274	HATCH/NOVEMBER 2007 EXAM AT POWER FACILITIES		11/26/2007	12/07/2007	Not Applicable

Hatch
Inspection / Activity Plan
09/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EB3-HS - HEAT SINK INSPECTION		1			
1,2	IP 7111107B	Heat Sink Performance		12/10/2007	12/14/2007	Baseline Inspections
	PSB1-RP - RP PUBLIC PRE-INSP VISIT		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/07/2008	01/09/2008	Baseline Inspections
	PSB1-RP - RP PUBLIC BASELINE INSPECTION		4			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/28/2008	02/01/2008	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/28/2008	02/01/2008	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/28/2008	02/01/2008	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		01/28/2008	02/01/2008	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		01/28/2008	02/01/2008	Baseline Inspections
	EB3-ISI - UNIT 1 - INSERVICE INSPECTION		1			
1	IP 7111108G	Inservice Inspection Activities - BWR		02/18/2008	02/22/2008	Baseline Inspections