



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

March 2, 2006

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

SUBJECT: ANNUAL ASSESSMENT LETTER - EDWIN I. HATCH NUCLEAR PLANT  
(NRC INSPECTION REPORT 05000321/2006001 AND 05000366/2006001)

Dear Mr. Sumner:

On February 7, 2006, 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, 2005. 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 physical protection information. A separate letter, designated and marked as "Official Use Only - Security-Related Information," will include the physical protection performance review and 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 the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix. We base this conclusion on a White finding in the Emergency Preparedness cornerstone.

On February 2, 2006, we completed the supplemental inspection (Inspection Procedure 95001) to review the actions taken for removal of the Technical Support Center for greater than seven days without prior NRC approval and found your investigation and corrective actions to be adequate. We also held the Regulatory Performance Meeting on February 2, 2006, completing all the NRC Action Matrix requirements for this finding. Based on the results of the supplemental inspection, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan on conducting a non-ROP inspection of the independent spent fuel storage installation.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through September 30, 2007. 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

ML#060610423/Package  
ML#060610430/Letter  
ML#060610436/Enclosure

and may be revised at the mid-cycle review. Although our intent is to maintain the enclosed inspection plan fixed for the first nine months, a need may arise to conduct one or more unanticipated inspections prior to issuing an updated inspection plan with the 2006 assessment cycle mid-cycle letter. If an inspection of this type becomes necessary, we will notify you of the planned inspection dates as soon as possible to resolve, as much as we can, any scheduling and personnel availability conflicts you may have.

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 Mr. Curtis Rapp at (404) 562-4674 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Charles A. Casto, Director  
Division of Reactor Projects

Docket Nos. 50-321, 50-366, 72-36  
License Nos. DPR-57 and NPF-5

Enclosure: Hatch Inspection/ Activity Plan

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**Hatch**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>EB2-TFP - TRIENNIAL FP PRE-INSPECTION VISIT</b>		<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		03/07/2006	03/09/2006	Baseline Inspections
	<b>EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>5</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		04/03/2006	04/07/2006	Baseline Inspections
1,2	IP 7111105T	Fire Protection [Triennial]		04/17/2006	04/21/2006	Baseline Inspections
	<b>PSB1-RP - RP PUBLIC PREINSPECTION VISIT/ ISFSI</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/15/2006	05/19/2006	Baseline Inspections
	<b>EB1-CDB - COMPONENT DESIGN BASES INSPECTION</b>		<b>8</b>			
1,2	IP 7111121	Component Design Bases Inspection		05/22/2006	05/26/2006	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		06/12/2006	06/16/2006	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		06/26/2006	06/30/2006	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		07/10/2006	07/14/2006	Baseline Inspections
	<b>PS2-EP - EP INSP</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		06/19/2006	06/23/2006	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		06/19/2006	06/23/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/19/2006	06/23/2006	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/19/2006	06/23/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		06/19/2006	06/23/2006	Baseline Inspections
	<b>ISFSI-O - 60855.1 - OPERATION OF AN ISFSI</b>		<b>1</b>			
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		07/03/2006	07/07/2006	Other Routine
	<b>PSB1-RP - RP PUBLIC BASELINE INSP</b>		<b>4</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		07/17/2006	07/21/2006	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		07/17/2006	07/21/2006	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/17/2006	07/21/2006	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		07/17/2006	07/21/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		07/17/2006	07/21/2006	Baseline Inspections
	<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		10/02/2006	10/06/2006	Baseline Inspections
	<b>PSB1-RP - RP OCCUPATIONAL PRE-INSP VISIT/ ISFSI</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		01/15/2007	01/17/2007	Baseline Inspections
	<b>EB1-MODS - MODIFICATIONS-10CFR50.59</b>		<b>3</b>			
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
	<b>PSB1-RP - RP OCCUPATIONAL BASELINE INSP-WEEK1</b>		<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		02/12/2007	02/16/2007	Baseline Inspections

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

Enclosure

**Hatch**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL BASELINE INSP-WEEK1</b>	<b>2</b>			
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
	<b>EB3-ISI</b>	<b>- U2 INSERVICE INSPECTION</b>	<b>1</b>			
2	IP 7111108G	Inservice Inspection Activities - BWR		02/19/2007	02/23/2007	Baseline Inspections
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL BASELINE INSP- WEEK 2</b>	<b>3</b>			
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
	<b>PB2-PI&amp;R</b>	<b>- BIENNIAL PI&amp;R PROGRAM INSPECTION</b>	<b>5</b>			
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
	<b>PS2-EP</b>	<b>- EP EXERCISE</b>	<b>2</b>			
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