



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

March 3, 2004

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

**SUBJECT: ANNUAL ASSESSMENT LETTER - EDWIN I. HATCH NUCLEAR PLANT  
REPORT 05000321/2004001 AND 05000366/2004001**

Dear Mr. Sumner:

On February 3, 2004, the NRC staff completed its end-of-cycle plant performance assessment of the Edwin I. Hatch Nuclear Plant. The end-of-cycle review for Hatch involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2003. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

Overall, Hatch operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within 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 only reactor oversight process (ROP) baseline inspections at your facility through September 30, 2005. We also plan on conducting several non-ROP inspections which include of spent fuel material control and accounting, and independent spent fuel storage installation operations.

On October 16, 2003, you submitted a request to combine the emergency operating facilities (EOFs) for Farley, Hatch and Vogtle in to one EOF in Birmingham, Alabama. As part of the review of that request, we made arrangements for a demonstration of the centralized EOF's capabilities on July 14, 2004. This demonstration will include supporting exercises at Plant Farley and Plant Hatch. These exercises are not being evaluated as part of the ROP but will be used to determine approval of the request to combine the EOFs.

The enclosed inspection plan details the inspections scheduled through September 30, 2005. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved 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 mid-cycle review meeting.

As you are aware, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness since the terrorist attacks on September 11, 2001. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2004, we plan to continue inspections of Order implementation combined with newly developed portions of the security baseline inspection program.

In accordance with 10 CFR 2.790 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 me at 404-562-4540 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Brian R. Bonser, Chief  
Reactor Projects Branch 2  
Division of Reactor Projects

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

Enclosure: Hatch Nuclear Plant Inspection/Activity Plan

cc w/encl: (See page 3)

SNC

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cc w/encl:

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**Hatch**  
**Inspection / Activity Plan**  
**03/01/2004 - 09/30/2005**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>PS-RP</b>	<b>- RAD PROT. BASELINE INSPECTIONS</b>	<b>3</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/12/2004	04/16/2004	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		04/12/2004	04/16/2004	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		04/12/2004	04/16/2004	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		04/12/2004	04/16/2004	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		04/12/2004	04/16/2004	Baseline Inspections
	<b>PS-SEC</b>	<b>- SOUTH. NUC. CORP. ACCESS AUTH @ BIRMINGH</b>	<b>2</b>			
1,2	IP 7113001	Access Authorization		05/24/2004	05/28/2004	Baseline Inspections
	<b>PS-SEC</b>	<b>- SECURITY</b>	<b>2</b>			
1,2	IP 7113001	Access Authorization		05/31/2004	06/04/2004	Baseline Inspections
1,2	IP 7113002	Access Control		05/31/2004	06/04/2004	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		05/31/2004	06/04/2004	Baseline Inspections
	<b>EB2-MODS</b>	<b>- MODIFICATIONS/10CFR50.59</b>	<b>3</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		07/19/2004	07/23/2004	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		07/19/2004	07/23/2004	Baseline Inspections
	<b>BR2-FP</b>	<b>- FLOOD PROTECTION</b>	<b>1</b>			
1,2	IP 7111106	Flood Protection Measures		08/09/2004	08/13/2004	Baseline Inspections
	<b>OL EP</b>	<b>- EP INSPECTION</b>	<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		08/30/2004	09/03/2004	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		08/30/2004	09/03/2004	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/30/2004	09/03/2004	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/30/2004	09/03/2004	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		08/30/2004	09/03/2004	Baseline Inspections
	<b>EB2-MR</b>	<b>- MAINTENANCE RULE</b>	<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		09/20/2004	09/24/2004	Baseline Inspections
	<b>OL RQ</b>	<b>- REQUAL INSPECTION</b>	<b>3</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		09/20/2004	09/24/2004	Baseline Inspections
	<b>EB1SSDPC</b>	<b>- SSDPC PRE-INSPECTION VISIT</b>	<b>2</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		10/12/2004	10/15/2004	Baseline Inspections
	<b>EB1SSDPC</b>	<b>- SAFETY SYS DESIGN &amp; PERF. CAPABILITY</b>	<b>5</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		11/01/2004	11/05/2004	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		11/15/2004	11/19/2004	Baseline Inspections
	<b>EB2-ISI</b>	<b>- INSERVICE INSPECTION-U2</b>	<b>1</b>			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/07/2005	03/11/2005	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**  
**03/01/2004 - 09/30/2005**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PS-RP</b>	<b>- RP OCCUPATIONAL BASELINE - WEEK 1</b>	<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/07/2005	03/11/2005	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/07/2005	03/11/2005	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/07/2005	03/11/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/07/2005	03/11/2005	Baseline Inspections
	<b>PS-RP</b>	<b>- RP OCCUPATIONAL BASELINE - WEEK 2</b>	<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/21/2005	03/25/2005	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/21/2005	03/25/2005	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/21/2005	03/25/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/21/2005	03/25/2005	Baseline Inspections
	<b>BR2-PIR</b>	<b>- BIENNIAL PI&amp;R</b>	<b>4</b>			
1,2	IP 71152B	Identification and Resolution of Problems		07/11/2005	07/15/2005	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		07/25/2005	07/29/2005	Baseline Inspections
	<b>BR2-FP</b>	<b>- FLOOD PROTECTION</b>	<b>1</b>			
1,2	IP 7111106	Flood Protection Measures		08/15/2005	08/19/2005	Baseline Inspections
	<b>EB2-HS</b>	<b>- HEAT SINK</b>	<b>1</b>			
1,2	IP 7111107B	Heat Sink Performance		08/22/2005	08/26/2005	Baseline Inspections