



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

March 4, 2013

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 FOR EDWIN I. HATCH NUCLEAR PLANT  
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000321/2012001 AND  
366/2012001)

Dear Mr. Madison:

On February 12, 2013, the NRC completed its end-of-cycle performance review of Edwin I. Hatch Nuclear Plant Unit 1 and Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

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 during 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.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, the NRC will also conduct initial reactor operator licensing examinations and a post-approval license renewal inspection on Unit 1 (Inspection Procedure 71003, Post-Approval Site Inspection For License Renewal). 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. This inspection plan does not include security related inspections which will be sent via separate, non-publicly available correspondence.

D Madison

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In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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).

Please contact me at (404) 997-4611 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Frank Ehrhardt, Chief  
Projects Branch 2  
Division of Reactor Projects

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

Enclosure: As Stated

cc w/encl: (See page 3)

D Madison

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**/RA/**

Frank Ehrhardt, Chief  
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Enclosure: As Stated

cc w/encl: (See page 3)

X PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

X NON-SENSITIVE

ADAMS: X Yes

ACCESSION NUMBER: \_\_\_\_\_

☐ SUNSI REVIEW COMPLETE

OFFICE	RII:RDP	RII:DRP					
SIGNATURE	CWR /RA for/	FJE /RA/					
NAME	MMiller	F Ehrhardt					
DATE	03/04/2013	03/04/2013					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2012\END OF CYCLE\INPUT\RPB2\HATCH\2012 HATCH EOC LETTER.DOCX

cc w/encl:  
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(cc w/encl continued next page)

D Madison

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(cc w/encl continued)

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D Madison

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Letter to Dennis R. Madison from Frank Ehrhardt dated March 4, 2012

SUBJECT: ANNUAL ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR PLANT  
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000321/2012001 AND  
366/2012001)

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMHatch Resource

ROP Reports

Institute of Nuclear Power Operations (INPO)

## Hatch

## Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	02/25/2013 03/01/2013	RP	- RP OCCUPATIONAL BASELINE WEEK2	2
1, 2	02/25/2013 03/01/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/25/2013 03/01/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/25/2013 03/01/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/25/2013 03/01/2013	IP 71124.04	Occupational Dose Assessment	
1, 2	02/25/2013 03/01/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	02/25/2013 03/01/2013	IP 71151	Performance Indicator Verification	
1, 2	05/06/2013 05/10/2013	MODS	- PLANT MODIFICATIONS INSPECTION	5
1, 2	05/20/2013 05/24/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1, 2	05/20/2013 05/24/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1, 2	05/13/2013 05/17/2013	HS	- TRIENNIAL HEAT SINK PERFORMANCE	1
1, 2	05/13/2013 05/17/2013	IP 7111107T	Heat Sink Performance	
1	08/12/2013 08/16/2013	OL EXAM V23401	- INITIAL EXAM PREP HATCH/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	3
1	09/02/2013 09/06/2013	OL EXAM V23401	- INITIAL EXAM WEEK 1 HATCH/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	3
1	09/09/2013 09/13/2013	OL EXAM V23401	- INITIAL EXAM WEEK 2 HATCH/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	3
1, 2	09/16/2013 09/20/2013	PI&R IP 71152B	- PROBLEM IDENTIFICATION AND RESOLUTION Problem Identification and Resolution	4
1, 2	09/30/2013 10/04/2013	IP 71152B	Problem Identification and Resolution	
1, 2	11/11/2013 11/15/2013	EP IP 7111407	- EMERGENCY PREPAREDNESS EXERCISE Exercise Evaluation - Hostile Action (HA) Event	1
1, 2	11/11/2013 11/15/2013	IP 71151	Performance Indicator Verification	
1, 2	11/18/2013 11/22/2013	TFPI IP 7111105T	- TRIENNIAL FIRE PROTECTION INSP Fire Protection [Triennial]	4
1, 2	12/02/2013 12/06/2013	IP 7111105T	Fire Protection [Triennial]	
1	11/04/2013 11/08/2013	LR IP 71003	- POST APPROVAL LR PHASE 2 Post-Approval Site Inspection for License Renewal	6
1	12/09/2013 12/13/2013	IP 71003	Post-Approval Site Inspection for License Renewal	
1, 2	01/06/2014 01/10/2014	RP IP 71124.06	- RP PUBLIC RADIATION SAFETY BASELINE Radioactive Gaseous and Liquid Effluent Treatment	2
1, 2	01/06/2014 01/10/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	01/06/2014 01/10/2014	IP 71151	Performance Indicator Verification	

This report does not include INPO and OUTAGE activities.

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

Enclosure

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
1	02/17/2014	02/21/2014	ISI - UNIT 1 IN-SERVICE INSPECTION IP 7111108G Inservice Inspection Activities - BWR		1
1, 2	02/24/2014	02/28/2014	RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION IP 71124.01 Radiological Hazard Assessment and Exposure Controls		2
1, 2	02/24/2014	02/28/2014	IP 71124.08 Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation		
1, 2	02/24/2014	02/28/2014	IP 71151 Performance Indicator Verification		

Comments: