



**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

2

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

2

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**/RA/**

Frank Ehrhardt, Chief  
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Enclosure: As Stated

cc w/encl: (See page 3)

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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	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:  
C. Russ Dedrickson  
Fleet Support Supervisor  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

David R. Vineyard  
Plant Manager  
Edwin I. Hatch Nuclear Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

S. Kuczynski  
Chairman, President and CEO  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Todd L. Youngblood  
Vice President  
Fleet Oversight  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Leigh Perry  
SVP & General Counsel-Ops & SNC  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

D. G. Bost  
Chief Nuclear Officer  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Paula Marino  
Vice President  
Engineering  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

T. A. Lynch  
Vice President  
Joseph M. Farley Nuclear Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

L. L. Crumpton  
Administrative Assistant, Sr.  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Dennis R. Madison  
Vice President  
Edwin I. Hatch Nuclear Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

T. E. Tynan  
Site Vice President  
Vogtle Electric Generating Plant  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

C. R. Pierce  
Nuclear Licensing Director  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

B. D. McKinney, Jr.  
Regulatory Response Manager  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

D. W. Daughhetee  
Licensing Engineer  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

T. D. Honeycutt  
Regulatory Response Supervisor  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

Bradley J. Adams  
Vice President  
Fleet Operations Support  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

N. J. Stringfellow  
Licensing Manager  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

L. P. Hill  
Licensing Supervisor  
Southern Nuclear Operating Company, Inc.  
Electronic Mail Distribution

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4

(cc w/encl continued)

Steven B. Tipps  
Hatch Principal Engineer - Licensing  
Edwin I. Hatch Nuclear Plant  
Electronic Mail Distribution

W. E. Duvall  
Site Support Manager  
Edwin I. Hatch Nuclear Plant  
Electronic Mail Distribution

Mr. Ken Rosanski  
Resident Manager  
Edwin I. Hatch Nuclear Plant  
Oglethorpe Power Corporation  
Electronic Mail Distribution

Mark Williams  
Commissioner  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Jerry Ranalli  
Municipal Electric Authority of Georgia  
Power  
Electronic Mail Distribution

Lee Foley  
Manager of Contracts Generation  
Oglethorpe Power Corporation  
Electronic Mail Distribution

Arthur H. Domby, Esq.  
Troutman Sanders  
Electronic Mail Distribution

James C. Hardeman  
Environmental Radiation Program Manager  
Environmental Protection Division  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Chuck Mueller  
Manager  
Policy and Radiation Program  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Cynthia A. Sanders  
Radioactive Materials Program Manager  
Environmental Protection Division  
Georgia Department of Natural Resources  
Electronic Mail Distribution

Mr. Steven M. Jackson  
Senior Engineer - Power Supply  
Municipal Electric Authority of Georgia  
Electronic Mail Distribution

Reece McAlister  
Executive Secretary  
Georgia Public Service Commission  
Electronic Mail Distribution

Chairman  
Appling County Commissioners  
County Courthouse  
69 Tippins Street, Suite 201  
Baxley, GA 31513

Amy Whaley  
Resident Manager  
Electronic Mail Distribution

D Madison

5

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

RIDSNNRRDIRS

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	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>RP - RP OCCUPATIONAL BASELINE WEEK2</b>		<b>2</b>
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	
			<b>MODS - PLANT MODIFICATIONS INSPECTION</b>		<b>5</b>
1, 2	05/06/2013	05/10/2013	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	
			<b>HS - TRIENNIAL HEAT SINK PERFORMANCE</b>		<b>1</b>
1, 2	05/13/2013	05/17/2013	IP 7111107T	Heat Sink Performance	
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>3</b>
1	08/12/2013	08/16/2013	V23401	HATCH/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM WEEK 1</b>		<b>3</b>
1	09/02/2013	09/06/2013	V23401	HATCH/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM WEEK 2</b>		<b>3</b>
1	09/09/2013	09/13/2013	V23401	HATCH/SEPTEMBER 2013 INITIAL EXAM AT POWER FACILITIES	
			<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>4</b>
1, 2	09/16/2013	09/20/2013	IP 71152B	Problem Identification and Resolution	
1, 2	09/30/2013	10/04/2013	IP 71152B	Problem Identification and Resolution	
			<b>EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>1</b>
1, 2	11/1/2013	11/15/2013	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1, 2	11/1/2013	11/15/2013	IP 71151	Performance Indicator Verification	
			<b>TFPI - TRIENNIAL FIRE PROTECTION INSP</b>		<b>4</b>
1, 2	11/18/2013	11/22/2013	IP 7111105T	Fire Protection [Triennial]	
1, 2	12/02/2013	12/06/2013	IP 7111105T	Fire Protection [Triennial]	
			<b>LR - POST APPROVAL LR PHASE 2</b>		<b>6</b>
1	11/04/2013	11/08/2013	IP 71003	Post-Approval Site Inspection for License Renewal	
1	12/09/2013	12/13/2013	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>RP - RP PUBLIC RADIATION SAFETY BASELINE</b>		<b>2</b>
1, 2	01/06/2014	01/10/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
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 INFO and OUTAGE activities.

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

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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:

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