



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

September 1, 2015

Mr. David R. Vineyard  
Vice President  
Southern Nuclear Operating Company, Inc.  
Edwin I. Hatch Nuclear Plant  
11028 Hatch Parkway North  
Baxley, GA 31513

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR PLANT  
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000321/2015005 AND  
05000366/2015005)**

Dear Mr. Vineyard:

On August 11, 2015, the NRC completed its mid-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 July 1, 2014, through June 30, 2015. 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, Edwin I. Hatch Nuclear Plant, 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 Edwin I. Hatch Nuclear Plant, 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 activity plan lists the inspections scheduled through June 30, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC plans to conduct reactor operator license examinations and post-approval license renewal inspections. The inspections listed during the second half of the inspection plan are tentative and may be revised at the end-of-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.

In response to the accident at Fukushima, the NRC is conducting audits of licensee efforts towards compliance with Commission issued Orders EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." As stated in our End-of-Cycle Performance Assessment letter on March 4, 2015, this audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with these Orders and to receive and review information associated with open items. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Agency Rules of Practice and Procedure," 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 404-997-4513 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Shane Sandal, Chief  
Reactor Projects Branch 2  
Division of Reactor Projects

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

Enclosure: Hatch Inspection/Activity Plan  
(09/01/2015 – 06/30/2017)

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In response to the accident at Fukushima, the NRC is conducting audits of licensee efforts towards compliance with Commission issued Orders EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." As stated in our End-of-Cycle Performance Assessment letter on March 4, 2015, this audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with these Orders and to receive and review information associated with open items. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
 ADAMS:  Yes      ACCESSION NUMBER: \_\_\_\_\_       SUNSI REVIEW COMPLETE       FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	ELP1	CWR1	SRS5				
NAME	E. Powell	C. Rapp	S. Sandal				
DATE	8/17/2015	8/18/2015	8/21/2015	9/ /2015	9/ /2015	9/ /2015	9/ /2015
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: HTTP://FUSION.NRC.GOV/REGIONS/RII/DRP/PB2/HATCH QUARTELY REPORTS INPUTS/HATCH MID-CYCLE LETTER 2015.DOCX

Letter to David Vineyard from Shane Sandal dated September 1, 2015

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR PLANT  
UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000321/2015005 AND  
05000366/2015005)

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**Hatch**  
**Inspection / Activity Plan**  
**09/01/2015 - 06/30/2017**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>ASM EP - 2015 EP ASM &amp; RES BASELINE</b>		<b>3</b>
1, 2	01/01/2015	12/31/2015	IP 7111406	Drill Evaluation	
			<b>CDBI - COMPONENT DESIGN BASES INSPECTION</b>		<b>7</b>
1, 2	08/31/2015	09/04/2015	IP 7111121	Component Design Bases Inspection	
1, 2	09/21/2015	09/25/2015	IP 7111121	Component Design Bases Inspection	
1, 2	10/05/2015	10/09/2015	IP 7111121	Component Design Bases Inspection	
1, 2	10/19/2015	10/23/2015	IP 7111121	Component Design Bases Inspection	
			<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>4</b>
1, 2	11/16/2015	11/20/2015	IP 71152B	Problem Identification and Resolution	
1, 2	12/07/2015	12/11/2015	IP 71152B	Problem Identification and Resolution	
			<b>EP - EP EXERCISE</b>		<b>8</b>
1, 2	12/07/2015	12/11/2015	IP 7111401	Exercise Evaluation	
1, 2	12/07/2015	12/11/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	12/07/2015	12/11/2015	IP 71151	Performance Indicator Verification	
			<b>ASM EP - 2016 EP ASM &amp; RES BASELINE</b>		<b>3</b>
1, 2	01/01/2016	12/31/2016	IP 7111406	Drill Evaluation	
			<b>RP - RAD HAZARDS AND TRANSPORTATION</b>		<b>2</b>
1, 2	02/08/2016	02/12/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/08/2016	02/12/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>ISI - UNIT 1 IN-SERVICE INSPECTION</b>		<b>1</b>
1	02/15/2016	02/19/2016	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>TFPI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
1, 2	04/04/2016	04/08/2016	IP 7111105T	Fire Protection [Triennial]	
1, 2	04/18/2016	04/22/2016	IP 7111105T	Fire Protection [Triennial]	
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
1	05/23/2016	05/27/2016	V23473	HATCH JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>MODS - PLANT MODIFICATIONS INSPECTION</b>		<b>3</b>
1, 2	06/06/2016	06/10/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1, 2	06/20/2016	06/24/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>RP - RP PUBLIC RAD SAFETY BASELINE</b>		<b>2</b>
1, 2	06/06/2016	06/10/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/06/2016	06/10/2016	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	06/06/2016	06/10/2016	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

**Hatch**  
**Inspection / Activity Plan**  
**09/01/2015 - 06/30/2017**

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	Start	End			
			<b>OL EXAM - INITIAL LICENSE EXAM</b>		<b>3</b>
1	06/20/2016	07/01/2016	V23473	HATCH JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>HS - TRIENNIAL HEAT SINK PERFORMANCE</b>		<b>1</b>
1, 2	07/25/2016	07/29/2016	IP 7111107T	Heat Sink Performance	
			<b>OL RQ - REQUAL INSP</b>		<b>1</b>
1, 2	08/22/2016	10/21/2016	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>4</b>
1, 2	11/28/2016	12/02/2016	IP 7111402	Alert and Notification System Testing	
1, 2	11/28/2016	12/02/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	11/28/2016	12/02/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	11/28/2016	12/02/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/28/2016	12/02/2016	IP 71151	Performance Indicator Verification	
			<b>RP - RP OCCUPATIONAL INSPECTION WEEK 1</b>		<b>3</b>
1, 2	02/06/2017	02/10/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/06/2017	02/10/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/06/2017	02/10/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/06/2017	02/10/2017	IP 71124.04	Occupational Dose Assessment	
1, 2	02/06/2017	02/10/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	02/06/2017	02/10/2017	IP 71151	Performance Indicator Verification	
			<b>ISI - UNIT 2 IN-SERVICE INSPECTION</b>		<b>1</b>
2	02/13/2017	02/17/2017	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>LR - UNIT 2 POST APPROVAL LR PHASE 1</b>		<b>2</b>
1	02/13/2017	02/17/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>RP - RP OCCUPATIONAL INSPECTION WEEK 2</b>		<b>2</b>
1, 2	02/27/2017	03/03/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/27/2017	03/03/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/27/2017	03/03/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/27/2017	03/03/2017	IP 71124.04	Occupational Dose Assessment	
1, 2	02/27/2017	03/03/2017	IP 71124.05	Radiation Monitoring Instrumentation	
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