



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

March 2, 2016

Mr. David R. Vineyard
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 (REPORT 05000321/2015006 AND 05000366/2015006)**

Dear Mr. Vineyard:

On February 9, 2016, the NRC completed its end-of-cycle performance review of Edwin I. Hatch Nuclear Plant, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2015 through December 31, 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, Hatch Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Hatch, Units 1 and 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. In addition, we will conduct initial reactor operator examinations.

The enclosed activity plan lists the inspections scheduled through December 31, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the 2016 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.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." This Order requires licensees to have a reliable means of remotely

monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. The audit was completed for Hatch Units 1 and 2, and the information gathered will aid staff in development of the Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In accordance with 10 CFR 2.390 of the NRC's "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 Activity Inspection Plan
(03/01/2016 – 12/31/2017)

cc: Distribution via ListServ

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 (03/01/2016 – 12/31/2017)

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 ADAMS: Yes ACCESSION NUMBER: ML16062A184 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	KPK1	SRS5					
NAME	K. Kirchbaum	S. Sandal					
DATE	2/25/2016	2/25/2016	3/ /2016	3/ /2016	3/ /2016	3/ /2016	3/ /2016
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](http://fusion.nrc.gov/regions/rii/dr/pb2/hatch) QUARTELY REPORTS INPUTS/2015-006 HATCH - 2015 ANNUAL ASSESSMENT LETTER.DOCX

Letter to David R. Vineyard from Shane Sandal dated March 2, 2016

SUBJECT: ANNUAL ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR PLANT
UNIT 1 AND UNIT 2 (REPORT 05000321/2015006 AND 05000366/2015006)

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ROP Reports

ROP Assessment

Hatch
Inspection / Activity Plan
03/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			TFPI - TRIENNIAL FIRE PROTECTION INSPECTION		8
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]	
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	05/23/2016	05/27/2016	V23473	HATCH JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			MODS - PLANT MODIFICATIONS INSPECTION		3
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	
			RP - RP PUBLIC RAD SAFETY BASELINE		2
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	
			OL EXAM - INITIAL LICENSE EXAM		3
1	06/20/2016	07/01/2016	V23473	HATCH JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1, 2	07/25/2016	07/29/2016	IP 7111107T	Heat Sink Performance	
			OL RQ - REQUAL INSP		1
1, 2	08/22/2016	10/21/2016	IP 7111111B	Licensed Operator Requalification Program	
			EP - EP PROGRAM INSPECTION		3
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	
			RP - RP OCCUPATIONAL INSPECTION WEEK 1		3
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	
			ISI - UNIT 2 IN-SERVICE INSPECTION		1
2	02/13/2017	02/17/2017	IP 7111108G	Inservice Inspection Activities - BWR	

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

Hatch
Inspection / Activity Plan
03/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			LR - UNIT 2 POST APPROVAL LR PHASE 1		2
1	02/13/2017	02/17/2017	IP 71003	Post-Approval Site Inspection for License Renewal	
			RP - RP OCCUPATIONAL INSPECTION WEEK 2		2
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	
1, 2	02/27/2017	03/03/2017	IP 71151	Performance Indicator Verification	
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	08/21/2017	08/25/2017	V23498	HATCH SEPTEMBER 2017 INITIAL EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL LICENSE EXAM		3
1	09/18/2017	10/06/2017	V23498	HATCH SEPTEMBER 2017 INITIAL EXAM AT POWER FACILITIES	
			EP - EP EXERCISE INSPECTION		3
1, 2	10/16/2017	10/20/2017	IP 7111401	Exercise Evaluation	
1, 2	10/16/2017	10/20/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	10/16/2017	10/20/2017	IP 7111408	Exercise Evaluation – Scenario Review	
1, 2	10/16/2017	10/20/2017	IP 71151	Performance Indicator Verification	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1, 2	11/13/2017	11/17/2017	IP 71152B	Problem Identification and Resolution	
1, 2	12/04/2017	12/08/2017	IP 71152B	Problem Identification and Resolution	

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