



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

September 2, 2014

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 05000321/2014006 AND  
05000366/2014006**

Dear Mr. Vineyard:

On August 12, 2014, 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, 2013 through June 30, 2014. 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 was 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 December 31, 2015. 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 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 Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which 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," which 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. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. 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 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)-997-4436 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Mark Franke, Chief  
Projects Branch 2  
Division of Reactor Projects

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

Enclosure: Hatch Inspection/Activity Plan  
(09/01/2014 – 12/31/2015)

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Docket Nos.: 50-321, 50-366  
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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					
SIGNATURE	JGW /RA/	MEF /RA/					
NAME	JWorosilo	MFranke					
DATE	09/02/2014	09/02/2014					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

D. Vineyard

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Letter to Dennis R. Madison from Mark Franke dated September 2, 2014

SUBJECT: MID CYCLE ASSESSMENT LETTER FOR EDWIN I. HATCH NUCLEAR PLANT  
UNIT 1 AND UNIT 2 -- NRC INSPECTION REPORT 05000321/2014006 AND  
05000366/2014006

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Hatch

Inspection / Activity Plan

09/01/2014 - 12/31/2015

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
2	10/29/2014	10/29/2014	<b>OL RQ - REQUAL INSP</b> IP 711111B	Licensed Operator Requalification Program	2
1, 2	11/03/2014	11/07/2014	<b>EP - EP PROGRAM INSPECTION</b> IP 7111402	Alert and Notification System Testing	3
1, 2	11/03/2014	11/07/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	11/03/2014	11/07/2014	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	11/03/2014	11/07/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/03/2014	11/07/2014	IP 71151	Performance Indicator Verification	
1, 2	02/09/2015	02/13/2015	<b>RP - RP OCCUPATIONAL BASELINE WEEK 1</b> IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
1, 2	02/09/2015	02/13/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/09/2015	02/13/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/09/2015	02/13/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	02/09/2015	02/13/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	02/09/2015	02/13/2015	IP 71151	Performance Indicator Verification	
2	02/16/2015	02/20/2015	<b>ISI - UNIT 2 IN-SERVICE INSPECTION</b> IP 711108G	Inservice Inspection Activities - BWR	1
1	02/23/2015	02/27/2015	<b>OL EXAM - INITIAL LICENSE EXAM PREP</b> V23426	HATCH/MARCH 2015 INITIAL EXAM AT POWER FACILITIES	3
1, 2	02/23/2015	02/27/2015	<b>RP - RP OCCUPATIONAL BASELINE WEEK 2</b> IP 71124.01	Radiological Hazard Assessment and Exposure Controls	2
1, 2	02/23/2015	02/27/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/23/2015	02/27/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/23/2015	02/27/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	02/23/2015	02/27/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	02/23/2015	02/27/2015	IP 71151	Performance Indicator Verification	
1	03/23/2015	04/03/2015	<b>OL EXAM - INITIAL LICENSE EXAM</b> V23426	HATCH/MARCH 2015 INITIAL EXAM AT POWER FACILITIES	3
1, 2	08/31/2015	09/04/2015	<b>CDBI - COMPONENTS DESIGN BASES INSPECTION</b> IP 711121	Component Design Bases Inspection	9
1, 2	09/21/2015	09/25/2015	IP 711121	Component Design Bases Inspection	
1, 2	10/05/2015	10/09/2015	IP 711121	Component Design Bases Inspection	
1, 2	10/19/2015	10/23/2015	IP 711121	Component Design Bases Inspection	

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

Hatch

Inspection / Activity Plan

09/01/2014 - 12/31/2015

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
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**PI&R - PROBLEM IDENTIFICATION AND RESOLUTION**

1, 2	11/30/2015	12/04/2015	IP 71152B	Problem Identification and Resolution	4
1, 2	12/14/2015	12/18/2015	IP 71152B	Problem Identification and Resolution	

**EP - EP EXERCISE**

1, 2	12/07/2015	12/11/2015	IP 7111401	Exercise Evaluation	5
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	

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