



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**

245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 2, 2016

Mr. Brian K. Taber, VP Nuclear Plant Site
Southern Nuclear Operating Company, Inc.
Vogtle Electric Generating Plant
7821 River Road
Waynesboro, GA 30830

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 1 AND UNIT 2 (REPORT 05000424/2015006 AND
05000425/2015006)**

Dear Mr. Taber:

On February 9, 2016, the NRC completed its end-of-cycle performance review of Vogtle Electric Generating 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 the performance at Vogtle 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). Through the first three quarters of the 2015 assessment cycle Vogtle Units 1 and 2 were in the Regulatory Response Column of the ROP Action Matrix based on a White finding that was the subject of Inspection Report 05000424/2014009. After reviewing your performance in addressing the White finding, the NRC concluded that your actions met the objectives of Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." Therefore, in accordance with the guidance in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," this White finding was only considered in assessing plant performance for a total of four quarters. As a result, the NRC determined the performance at Vogtle Units 1 and 2 to be in the Licensee Response Column of the ROP Action Matrix as of October 1, 2015. Therefore, the NRC plans to conduct ROP baseline inspections at your facility. In addition, we will conduct initial reactor operator licensing examinations and Inspection Procedure 37060, "10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection."

The enclosed inspection 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 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 Vogtle 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 Mr. Shane Sandal at (404) 997-4513 with any questions you have regarding this letter.

Sincerely,

/RA/

Mark Franke, Acting Director
Division of Reactor Projects

Docket Nos.: 05000424, 05000425

License Nos.: NPF-68 and NPF-81

Enclosure: Vogtle Activity/Inspection Plan
(03/01/2016 – 12/31/2017)

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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 Vogtle 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."

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PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE
ADAMS: Yes ACCESSION NUMBER: ML16062A285 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	KPK1	SRS5	MEF1				
NAME	K. Kirchbaum	S. Sandal	M. Franke				
DATE	2/24/2016	2/24/2016	2/24/2016	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

Letter to Brian K. Taber from Mark E. Franke dated March 2, 2016

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 1 AND UNIT 2 (REPORT 05000424/2015006 AND
05000425/2015006)

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D. Gamberoni, RII

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Institute of Nuclear Power Operations (INPO)

ROP Reports

ROP Assessment

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

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
RP - RP OCCUPATIONAL INSPECTION WEEK 1					3
1, 2	03/07/2016	03/11/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/07/2016	03/11/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/07/2016	03/11/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/07/2016	03/11/2016	IP 71124.04	Occupational Dose Assessment	
1, 2	03/07/2016	03/11/2016	IP 71151	Performance Indicator Verification	
ISI - UNIT 2 IN-SERVICE INSPECTION					1
2	03/14/2016	03/18/2016	IP 7111108P	Inservice Inspection Activities - PWR	
SGISI - UNIT 2 SG IN-SERVICE INSPECTION					1
2	03/21/2016	03/25/2016	IP 7111108P	Inservice Inspection Activities - PWR	
RP - RP OCCUPATIONAL INSPECTION WEEK 2					1
1, 2	03/21/2016	03/25/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/21/2016	03/25/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/21/2016	03/25/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/21/2016	03/25/2016	IP 71124.04	Occupational Dose Assessment	
1, 2	03/21/2016	03/25/2016	IP 71151	Performance Indicator Verification	
EP - EP EXERCISE INSPECTION					8
1, 2	05/09/2016	05/13/2016	IP 7111401	Exercise Evaluation	
1, 2	05/09/2016	05/13/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	05/09/2016	05/13/2016	IP 71151	Performance Indicator Verification	
PB2-5069 - 10CFR50.69 IMPLEMENTATION					5
1, 2	06/13/2016	06/17/2016	IP 37060	IP 37060, "10 CFR 50.69, Risk-Informed Categorization and Treatment of Structures, Systems	
1, 2	06/27/2016	07/01/2016	IP 37060	IP 37060, "10 CFR 50.69, Risk-Informed Categorization and Treatment of Structures, Systems	
CDBI - COMPONENT DESIGN BASES INSPECTION					7
1, 2	09/12/2016	09/16/2016	IP 7111121	Component Design Bases Inspection	
1, 2	10/03/2016	10/07/2016	IP 7111121	Component Design Bases Inspection	
1, 2	10/17/2016	10/21/2016	IP 7111121	Component Design Bases Inspection	
1, 2	10/31/2016	11/04/2016	IP 7111121	Component Design Bases Inspection	
RP - RP INSTRUMENTS					1
1, 2	11/14/2016	11/18/2016	IP 71124.05	Radiation Monitoring Instrumentation	
PI&R - PROBLEM IDENTIFICATION AND RESOLUTION					5
1, 2	02/20/2017	02/24/2017	IP 71152B	Problem Identification and Resolution	
1, 2	03/06/2017	03/10/2017	IP 71152B	Problem Identification and Resolution	

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

Enclosure

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

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	03/20/2017	03/24/2017	V23491	VOGTLE/UNIT 1 APRIL 2017 INITIAL EXAM AT POWER FACILITIES	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	04/03/2017	04/07/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI - UNIT 1 SG IN-SERVICE INSPECTION		1
1	04/10/2017	04/14/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			OL EXAM - INITIAL LICENSE EXAM		3
1	05/01/2017	05/19/2017	V23491	VOGTLE/UNIT 1 APRIL 2017 INITIAL EXAM AT POWER FACILITIES	
			EP - EP PROGRAM INSPECTION		5
1,2	05/22/2017	05/26/2017	IP 7111402	Alert and Notification System Testing	
1,2	05/22/2017	05/26/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	05/22/2017	05/26/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	05/22/2017	05/26/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	05/22/2017	05/26/2017	IP 71151	Performance Indicator Verification	
			TFPI - TRIENNIEL FIRE PROTECTION INSPECTION		1
1,2	06/12/2017	06/16/2017	IP 7111105T	Fire Protection [Triennial]	
1,2	06/26/2017	06/30/2017	IP 7111105T	Fire Protection [Triennial]	
			HS - TRIENNIAL HEAT SINK PERFORMANCE		1
1,2	07/10/2017	07/14/2017	IP 7111107T	Heat Sink Performance	
			OL RQ - REQUAL INSPECTION		2
1,2	08/21/2017	08/25/2017	IP 7111111B	Licensed Operator Requalification Program	
			RP - RP PUBLIC INSPECTION		3
1,2	09/18/2017	09/22/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	09/18/2017	09/22/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	09/18/2017	09/22/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1,2	09/18/2017	09/22/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1,2	09/18/2017	09/22/2017	IP 71151	Performance Indicator Verification	
			ISI - UNIT 2 IN-SERVICE INSPECTION		1
2	09/25/2017	09/29/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI - UNIT 2 SG IN-SERVICE INSPECTION		1
2	10/02/2017	10/06/2017	IP 7111108P	Inservice Inspection Activities - PWR	

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