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

September 1, 2015

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

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING PLANT UNITS 1 AND 2 (INSPECTION REPORT NO. 05000424/2015005 AND 05000425/2015005

Dear Mr. Taber:

On August 11, 2015, the NRC completed its mid-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 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 the performance at Vogtle Units 1 and 2 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of a White violation in the Public Radiation Safety Cornerstone for improper transportation of radioactive waste. The White violation was assessed as an ROP Action Matrix input for Vogtle Units 1 and 2 beginning in the fourth quarter of 2014 (ADAMS Accession Number ML15131A322).

On June 1, 2015, your staff notified the NRC of your readiness for a supplemental inspection to review the actions taken to address this performance issue. Therefore, in addition to ROP baseline inspections, the NRC conducted a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," during the week of August 17, 2015. The objectives of this supplemental inspection were to provide assurance that the 1) root causes and contributing causes of risk-significant performance issues were understood, 2) extent of condition and extent of cause of risk significant performance issues were identified, and 3) corrective actions for risk-significant performance issues were sufficient to address the root and contributing causes and prevent recurrence. The NRC is finalizing the results of that inspection and will document our conclusions in a subsequent inspection report (05000424/2015009 and 05000425/2015009).

The enclosed inspection plan lists the inspections scheduled through June 30, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition, we will also conduct reactor operator licensing examinations and inspect construction of a second independent spent fuel storage installation pad. Also, we are coordinating with your staff to schedule an inspection of your implementation of 10 CFR 50.69, "Risk-Informed

Categorization and Treatment of Structures, Systems and Components for Nuclear Power Reactors." 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." This audit has been completed for the first unit at Vogtle and the information gathered will aid the staff in development of the ultimate 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 (TI) 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 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 Mr. Shane Sandal at 404-997-4513 or by e-mail at shane.sandal@nrc.gov with any questions you have regarding this letter.

Sincerely,

/RA/

Joel Munday, Director
Division of Reactor Projects

Docket Nos.: 50-424. 50-425
License Nos.: NPF-68, NPF-81

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

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ADAMS: ☒ Yes ACCESSION NUMBER: ML15244B046 ☐ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:DRP			
SIGNATURE	ELP1	CWR1	SRS5	JTM			
NAME	E. Powell	C. Rapp	S. Sandal	J. Munday			
DATE	8/17/2015	8/18/2015	8/20/2015	8/31/2015	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/VOGTLE REPORTS AND INPUTS/VOGTLE MID-CYCLE LETTER.DOCX

Letter to Brian Taber from Joel Munday dated September 1, 2015

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING PLANT UNITS 1 AND 2 (INSPECTION REPORT NO. 05000424/2015005 AND 05000425/2015005)

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Vogtle
Inspection / Activity Plan
09/01/2015 - 06/30/2017

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			OL EXAM	**- INITIAL LICENSE EXAM**	**3**
1	08/31/2015	09/18/2015	V23458	VOGTLE U1/AUGUST 2015 INITIAL EXAM AT POWER FACILITIES	
			RP	**- RAD HAZARDS ANALYSIS AND TRANSPORTATION**	**2**
1, 2	09/21/2015	09/25/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/21/2015	09/25/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	09/21/2015	09/25/2015	IP 71151	Performance Indicator Verification	
			ISI	**- UNIT 1 IN-SERVICE INSPECTION**	**1**
1	09/28/2015	10/02/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			SGISI	**- UNIT 1 SG IN-SERVICE INSPECTION**	**1**
1	10/05/2015	10/09/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			ISFSI	**- CONSTRUCTION OF SECOND SMALL ISFSI PAD**	**1**
1, 2	10/26/2015	10/30/2015	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
			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	
			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	
			SGISI	**- UNIT 2 SG IN-SERVICE INSPECTION**	**1**
2	03/21/2016	03/25/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			EP	**- EP EXERCISE INSPECTION**	**2**
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	

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

Vogtle
Inspection / Activity Plan
09/01/2015 - 06/30/2017

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

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