



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200  
ATLANTA, GEORGIA 30303-1200

March 4, 2019

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING  
PLANT - REPORT 05000424/2018006 AND 05000425/2018006

Dear Mr. Myers:

The NRC has completed its end-of-cycle performance assessment of Vogtle Electric Generating Plant, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2018 through December 31, 2018. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Vogtle Electric Generating Plant, Units 1 and 2 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the 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, 2020. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. The NRC will conduct Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)," during the week of August 12, 2019.

In accordance with Title 10 of the *Code of Federal Regulations* (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- 4415 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Alan Blamey, Chief  
Reactor Projects Branch  
Division of Reactor Projects

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

Enclosure: Inspection Plan 5000424/2018006,  
05000425/2018006

Letter to Darin Myers from Alan Blamey dated March 4, 2019.

Distribution:

M. Kowal, RII

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NAME	DMas	ABlamey	
DATE	02/ 26 /2019	02/ 28 /2019	

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# IP 22 Inspection Activity Plan Report

## Vogtle

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP OCCUPATIONAL BASELINE AND RAD HAZARDS ANALYSIS</b>						2
1, 2	03/11/2019	03/15/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/11/2019	03/15/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						1
2	03/18/2019	03/22/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>SECURITY ISFSI INSPECTION</b>						1
1, 2	04/15/2019	04/19/2019	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						4
1, 2	04/29/2019	05/03/2019	IP 71152B	000747	Problem Identification and Resolution	
1, 2	05/13/2019	05/17/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						3
1, 2	05/06/2019	05/10/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	05/06/2019	05/10/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	05/06/2019	05/10/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	05/06/2019	05/10/2019	IP 71151	001397	Performance Indicator Verification	
<b>VOGTLE 1,2 INITIAL LICENSE EXAM</b>						4
1, 2	05/06/2019	05/10/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	06/10/2019	06/21/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE</b>						6
1, 2	05/20/2019	05/24/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	06/10/2019	06/14/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RP PUBLIC RAD SAFETY BASELINE</b>						2
1, 2	06/17/2019	06/21/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/17/2019	06/21/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	

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This report shows only on-site and announced inspection procedures.

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## Vogtle

03/01/2019 - 12/31/2020

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TI-194 OPEN PHASE CONDITION						1
1, 2	08/12/2019	08/16/2019	TI 2515/194	000512	Inspection of the Licensee’s Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
VOGTLE 1,2 REQUAL INSPECTION						2
1, 2	08/19/2019	08/23/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
SECURITY BASELINE INSPECTION						1
1, 2	08/26/2019	08/30/2019	IP 71130.02	000734	Access Control	
1, 2	08/26/2019	08/30/2019	IP 71151	001338	Performance Indicator Verification	
DESIGN BASES ASSURANCE INSPECTION (TEAM)						6
1, 2	10/21/2019	10/25/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	11/04/2019	11/08/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
TARGET SET INSPECTION						2
1, 2	03/16/2020	03/20/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
UNIT 1 IN-SERVICE/SG IN-SERVICE INSPECTION						2
1	03/23/2020	03/27/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
SECURITY BASELINE INSPECTION						3
1, 2	04/20/2020	04/24/2020	IP 71130.02	000734	Access Control	
1, 2	04/20/2020	04/24/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	04/20/2020	04/24/2020	IP 71130.07	000739	Security Training	
1, 2	04/20/2020	04/24/2020	IP 71151	001338	Performance Indicator Verification	
EMERGENCY PREPAREDNESS EXERCISE						6
1, 2	05/18/2020	05/22/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	05/18/2020	05/22/2020	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
1, 2	05/18/2020	05/22/2020	IP 71151	001397	Performance Indicator Verification	
TRIENNIAL HEAT SINK PERFORMANCE						1
1, 2	07/13/2020	07/17/2020	IP 71111.07T	000700	Heat Sink Performance -Triennial	

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**Vogle**

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>DESIGN BASIS ASSURANCE INSPECTION (PROGRAM)</b>						3
1, 2	07/27/2020	07/31/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	08/10/2020	08/14/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>SNC CORP OFFICE AA/FFD/SGI INSPECTION</b>						2
1, 2	08/31/2020	09/04/2020	IP 71130.01	000733	Access Authorization	
1, 2	08/31/2020	09/04/2020	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	08/31/2020	09/04/2020	IP 71130.08	000740	Fitness For Duty Program	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						2
2	09/28/2020	10/02/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1</b>						3
1, 2	09/28/2020	10/02/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/28/2020	10/02/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	09/28/2020	10/02/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/28/2020	10/02/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	09/28/2020	10/02/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	10/26/2020	10/30/2020	IP 71130.01	000733	Access Authorization	
1, 2	10/26/2020	10/30/2020	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	10/26/2020	10/30/2020	IP 71130.08	000740	Fitness For Duty Program	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2</b>						2
1, 2	11/16/2020	11/20/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/16/2020	11/20/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/16/2020	11/20/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/16/2020	11/20/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	11/16/2020	11/20/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	

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