



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

September 1, 2015

Mr. David A. Heacock
President and Chief Nuclear Officer
Virginia Electric and Power Company
Dominion Nuclear
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

**SUBJECT: MID-CYCLE LETTER FOR NORTH ANNA POWER STATION, UNITS 1 AND 2 --
NRC ASSESSMENT REPORT 05000338/2015005 AND 05000339/2015005**

Dear Mr. Heacock:

On August 13, 2015, the NRC completed its mid-cycle performance review of North Anna Power Station, 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 that overall, North Anna, Units 1 and 2, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined that the performance at North Anna Power Station, 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.

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. The inspections listed during the second half of the inspection schedule 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 addition to the routine ROP baseline inspections at your facility, we also plan on conducting infrequently performed inspections which include: Temporary Instruction (TI) 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans," an initial operator license examination, and Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal."

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 Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997-4609 with any questions you may have regarding this letter.

Sincerely,

/RA/

Steven D. Rose, Chief
Reactor Projects Branch 5
Division of Reactor Projects

Docket Nos.: 50-338, 50-339

License Nos.: NPF-4, NPF-7

Enclosure:

North Anna Inspection/Activity Plan
(07/01/2015 – 06/30/2017)

cc: Distribution via ListServ

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

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DATE	8/25/2015	8/31/2015			
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D. Heacock

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Letter to David Heacock from Steven D. Rose dated September 1, 2015.

SUBJECT: MID-CYCLE LETTER FOR NORTH ANNA POWER STATION, UNITS 1 AND 2 --
NRC ASSESSMENT REPORT 05000338/2015005 AND 05000339/2015005

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Institute of Nuclear Power Operations (INPO)

North Anna
Inspection / Activity Plan
09/01/2015 - 06/30/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			TFPI - TRIENNIAL FIRE PROTECTION		4
1, 2	10/19/2015	10/23/2015	IP 7111105T	Fire Protection [Triennial]	
1, 2	11/02/2015	11/06/2015	IP 7111105T	Fire Protection [Triennial]	
			OL RQ - REQUAL INSP		2
1, 2	01/25/2016	01/29/2016	IP 7111111B	Licensed Operator Requalification Program	
			EP - EP EXERCISE INSPECTION		2
1, 2	02/08/2016	02/12/2016	IP 7111401	Exercise Evaluation	
1, 2	02/08/2016	02/12/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	02/08/2016	02/12/2016	IP 7111408	Exercise Evaluation – Scenario Review	
1, 2	02/08/2016	02/12/2016	IP 71151	Performance Indicator Verification	
			DRP/RPB7 - TI-191:MITIGATING STRATEGIES		3
1, 2	02/22/2016	02/26/2016	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			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	03/14/2016	03/18/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			RP - RP OCCUPATIONAL INSPECTION WEEK 1		2
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 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/21/2016	03/25/2016	IP 71151	Performance Indicator Verification	
			RP - RP OCCUPATIONAL INSPECTION WEEK 2		3
1, 2	04/04/2016	04/08/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/04/2016	04/08/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/04/2016	04/08/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/04/2016	04/08/2016	IP 71124.04	Occupational Dose Assessment	
1, 2	04/04/2016	04/08/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/04/2016	04/08/2016	IP 71151	Performance Indicator Verification	
			OL EXAM - INITIAL LICENSE EXAM PREP		3
1	05/23/2016	05/27/2016	V23472	NORTH ANNA JUNE 2016 INITIAL EXAM AT POWER FACILITIES	

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

Enclosure

North Anna
Inspection / Activity Plan
09/01/2015 - 06/30/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INITIAL LICENSE EXAM		3
1	06/20/2016	07/01/2016	V23472	NORTH ANNA JUNE 2016 INITIAL EXAM AT POWER FACILITIES	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	09/19/2016	09/23/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			LR - UNIT 1 POST APPROVAL LR PHASE 1		2
1	09/19/2016	09/23/2016	IP 71003	Post-Approval Site Inspection for License Renewal	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1, 2	01/30/2017	02/03/2017	IP 71152B	Problem Identification and Resolution	
1, 2	02/13/2017	02/17/2017	IP 71152B	Problem Identification and Resolution	
			MODS - PLANT MODIFICATIONS INSPECTION		3
1, 2	04/17/2017	04/21/2017	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1, 2	05/01/2017	05/05/2017	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			EP - EP PROGRAM INSPECTION		4
1, 2	06/12/2017	06/16/2017	IP 7111402	Alert and Notification System Testing	
1, 2	06/12/2017	06/16/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	06/12/2017	06/16/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	06/12/2017	06/16/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	06/12/2017	06/16/2017	IP 71151	Performance Indicator Verification	