



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

September 2, 2014

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, 339/2014006**

Dear Mr. Heacock:

On August 12, 2014, 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, 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, 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.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

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 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 Agencywide Document Access and Management 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 404-997-4511 with any questions you may have regarding this letter.

Sincerely,

***/Mark Franke RA for/***

Michael F. King, 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  
(09/01/2014 – 12/31/2015)

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DATE	8/27/2014	8/27/2014	9/2/2014		
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Letter to David Heacock from Michael F. King dated September 2, 2014.

SUBJECT: MID-CYCLE LETTER FOR NORTH ANNA POWER STATION, UNITS 1  
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## North Anna

## Inspection / Activity Plan

09/01/2014 - 12/31/2015

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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		<b>RP</b>	<b>- RP OCCUPATIONAL BASELINE</b>	
1, 2	09/08/2014 09/12/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
1, 2	09/08/2014 09/12/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/08/2014 09/12/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/08/2014 09/12/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	09/08/2014 09/12/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/08/2014 09/12/2014	IP 71151	Performance Indicator Verification	
		<b>ISI</b>	<b>- UNIT 2 IN-SERVICE INSPECTION</b>	1
2	09/15/2014 09/19/2014	IP 711108P	Inservice Inspection Activities - PWR	1
		<b>SGISI</b>	<b>- UNIT 2 SG IN-SERVICE INSPECTION</b>	
2	09/22/2014 09/26/2014	IP 711108P	Inservice Inspection Activities - PWR	2
		<b>RP</b>	<b>- RP OCCUPATIONAL BASELINE WEEK2</b>	
1, 2	09/22/2014 09/26/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	5
1, 2	09/22/2014 09/26/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/22/2014 09/26/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/22/2014 09/26/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	09/22/2014 09/26/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/22/2014 09/26/2014	IP 71151	Performance Indicator Verification	
		<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	1
1, 2	02/23/2015 02/27/2015	IP 71152B	Problem Identification and Resolution	
1, 2	03/09/2015 03/13/2015	IP 71152B	Problem Identification and Resolution	
		<b>RP</b>	<b>- RADIOLOGICAL HAZARDS ANALYSIS</b>	1
1, 2	03/09/2015 03/13/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
		<b>ISI</b>	<b>- UNIT 1 IN-SERVICE INSPECTION</b>	
1	03/23/2015 03/27/2015	IP 711108P	Inservice Inspection Activities - PWR	1
		<b>SGISI</b>	<b>- UNIT 1 SG IN-SERVICE INSPECTION</b>	
1	03/30/2015 04/03/2015	IP 711108P	Inservice Inspection Activities - PWR	2
		<b>EP</b>	<b>- EP PROGRAM INSPECTION</b>	
1, 2	06/08/2015 06/12/2015	IP 7111402	Alert and Notification System Testing	
1, 2	06/08/2015 06/12/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	06/08/2015 06/12/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	06/08/2015 06/12/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	06/08/2015 06/12/2015	IP 71151	Performance Indicator Verification	

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

09/01/2014 - 12/31/2015

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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- RP PUBLIC RAD SAFETY BASELINE					3
1, 2	06/15/2015	06/19/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/15/2015	06/19/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	06/15/2015	06/19/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	06/15/2015	06/19/2015	IP 71151	Performance Indicator Verification	
- COMPONENT DESIGN BASES INSPECTION					9
1, 2	06/29/2015	07/04/2015	IP 7111121	Component Design Bases Inspection	
1, 2	07/20/2015	07/24/2015	IP 7111121	Component Design Bases Inspection	
1, 2	08/03/2015	08/07/2015	IP 7111121	Component Design Bases Inspection	
1, 2	08/17/2015	08/21/2015	IP 7111121	Component Design Bases Inspection	
- TRIENNIAL FIRE PROTECTION					4
1, 2	10/05/2015	10/09/2015	IP 7111105T	Fire Protection [Triennial]	
1, 2	10/19/2015	10/23/2015	IP 7111105T	Fire Protection [Triennial]	

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Enclosure