



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

March 4, 2014

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR NORTH ANNA POWER STATION, UNITS
1 AND 2 – REPORT 05000338/2013001 AND 05000339/2013001**

Dear Mr. Heacock:

On February 19, 2014, the Nuclear Regulatory Commission (NRC) completed its end-of-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 January 1, 2013, through December 31, 2013. 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 Power Station, Units 1 and 2, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined 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, 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 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.

Additionally, the NRC plans on conducting two non-ROP baseline inspections which include an Operating License Initial Exam and an audit. An NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The onsite component has been scheduled for the week of May 19, 2014. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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 will reflect this revision to Inspection Manual Chapter (IMC) 0310. The CY 2013 end-of-cycle assessments were conducted using the IMC 0310 guidance in effect in CY 2013 (dated October 28, 2011). Cross-cutting aspects identified in 2013 using the 2013 terminology will be 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

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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,

/RA/

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
(03/01/2014 – 06/30/2015)

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Additionally, the NRC plans on conducting two non-ROP baseline inspections which include an Operating License Initial Exam and an audit. An NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" is ongoing. This audit includes an onsite component in order for the NRC to evaluate mitigating strategies as described in licensee submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The onsite component has been scheduled for the week of May 19, 2014. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

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

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	SON /RA/	Via email	MFK /RA/				
NAME	SNinh	GKolcum	MKing				
DATE	02/27/2014	02/28/2014	03/04/2014				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

D. Heacock

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Letter to David Heacock from Michael F. King dated March 4, 2014

SUBJECT: ANNUAL ASSESSMENT LETTER FOR NORTH ANNA POWER STATION, UNITS
1 AND 2 – REPORT 05000338/2013001 AND 05000339/2013001

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RidsNrrPMNorth Anna Resource

Institute of Nuclear Power Operations (INPO)

ROP Assessment

North Anna

Inspection / Activity Plan

03/01/2014 - 06/30/2015

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			MODS	- PLANT MODIFICATIONS INSPECTION	
1, 2	03/31/2014	04/04/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	3
1, 2	04/14/2014	04/18/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	3
1	05/19/2014	05/23/2014	OL EXAM V23425	- INITIAL LICENSE EXAM PREP NORTH ANNA/JUNE 2014 INITIAL EXAM AT POWER FACILITIES	3
			EP	- EP EXERCISE	3
1, 2	06/01/2014	07/11/2014	IP 7111408	Exercise Evaluation – Scenario Review	
1, 2	07/07/2014	07/11/2014	IP 7111407	Exercise Evaluation – Hostile Action (HA) Event	
1, 2	07/07/2014	07/11/2014	IP 71151	Performance Indicator Verification	
1	06/16/2014	06/20/2014	OL EXAM V23425	- INITIAL LICENSE EXAM WEEK 1 NORTH ANNA/JUNE 2014 INITIAL EXAM AT POWER FACILITIES	3
1	06/23/2014	06/27/2014	OL EXAM V23425	- INITIAL LICENSE EXAM WEEK 2 NORTH ANNA/JUNE 2014 INITIAL EXAM AT POWER FACILITIES	3
1, 2	08/25/2014	08/29/2014	HS IP 7111107T	- TRIENNIAL HEAT SINK PERFORMANCE Heat Sink Performance	1
			RP	- RP OCCUPATIONAL BASELINE	3
1, 2	09/08/2014	09/12/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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	
2	09/15/2014	09/19/2014	ISI IP 711108P	- UNIT 2 IN-SERVICE INSPECTION Inservice Inspection Activities - PWR	1
			RP	- RP OCCUPATIONAL BASELINE WEEK2	2
1, 2	09/22/2014	09/26/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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	
2	09/22/2014	09/26/2014	SGISI IP 711108P	- UNIT 2 SG IN-SERVICE INSPECTION Inservice Inspection Activities - PWR	1

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

Enclosure

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			TFPI - TRIENNIAL FIRE PROTECTION		4
1, 2	01/26/2015	01/30/2015	IP 711105T	Fire Protection [Triennial]	
1, 2	02/09/2015	02/13/2015	IP 711105T	Fire Protection [Triennial]	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1, 2	02/23/2015	02/27/2015	IP 71152B	Problem Identification and Resolution	
			ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	03/23/2015	03/27/2015	IP 711108P	Inservice Inspection Activities - PWR	
			RP - RADIOLOGICAL HAZARDS ANALYSIS		1
1, 2	03/23/2015	03/27/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			RP - 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	
			CDBI - COMPONENT DESIGN BASES INSPECTION		7
1, 2	06/29/2015	07/04/2015	IP 711121	Component Design Bases Inspection	

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