



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

March 4, 2013

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 05000338/2012001 AND 05000339/2012001**

Dear Mr. Heacock:

On February 14, 2013, the U.S. 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, 2012, through December 31, 2012. 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 NRC determined that both units were in the Regulatory Response Column for the first three quarters of the assessment period because of a White finding in Mitigating Systems cornerstone, for a failure to establish and maintain Emergency Diesel Generator (EDG) maintenance procedures associated with the 2H EDG jacket water cooling inlet jumper gasket. A 95001 Supplemental Inspection was completed on September 13, 2012. Based on the results of this inspection, the NRC determined the performance of North Anna Power Station, Units 1 and 2, to be in the Licensee Response Column of the ROP Action Matrix in the 4<sup>th</sup> quarter of 2012.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. 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.

We also plan on conducting three non-ROP inspections which include: Temporary Instruction (TI) 2515/182, Review of Implementation of the Industry Initiative to Control Degradation of Underground Piping – Phase 2, an Initial Operating License Exam, and North Anna Independent Spent Fuel Storage Installation (ISFSI), seismic corrective action inspection.

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 Gerald McCoy at 404-997-4551 with any questions you may have regarding this letter.

Sincerely,

**/RA/**

Richard P. Croteau, Director  
Division of Reactor Projects

Docket Nos.: 50-338, 50-339  
License Nos.: NPF-4, NPF-7

Enclosure: North Anna Inspection / Activity Plan  
(03/01/2013 – 06/30/2014)

cc w/encl: See page 3

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. 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.

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/RA/  
Richard P. Croteau, Director  
Division of Reactor Projects

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cc w/encl: See next page

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

OFFICE	RII:DRP	RII:DRP				
SIGNATURE	SON:/RA/	GJM:/RA/				
NAME	SNinh	GMcCoy				
DATE	2/27/2013	2/27/2013				
E-MAIL COPY?	YES NO	YES NO				

D. Heacock

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cc w/encl: See page 3

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D. Heacock

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Letter to David A. Heacock from Richard P. Croteau dated March 4, 2013

SUBJECT: NORTH ANNA POWER STATION - NRC INTEGRATED INSPECTION REPORT  
05000338/2013 AND 05000339/2013

Distribution w/encl:

C. Evans

L. Douglas

OE Mail

RIDSNNRRDIRS

PUBLIC

RidsNrrPMNorthAnna Resource

ROP assessment

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	03/04/2013 03/05/2013	<b>ISFSI</b> IP 60855.1	<b>- NA ISFSI SEISMIC CORRECTIVE ACTION INSP</b> Operation of an Independent Spent Fuel Storage Installation at Operating Plants	3
1, 2	03/11/2013 03/15/2013	<b>PI&amp;R</b> IP 71152B	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b> Problem Identification and Resolution	5
1, 2	03/25/2013 03/29/2013	IP 71152B	Problem Identification and Resolution	
2	04/15/2013 04/19/2013	<b>ISI</b> IP 7111108P	<b>- UNIT 2 INSERVICE INSPECTION</b> Inservice Inspection Activities - PWR	1
1, 2	04/22/2013 04/26/2013	<b>RP</b> IP 71124.01	<b>- RP PUBLIC RAD SAFETY BASELINE</b> Radiological Hazard Assessment and Exposure Controls	4
1, 2	04/22/2013 04/26/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	04/22/2013 04/26/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	04/22/2013 04/26/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	04/22/2013 04/26/2013	IP 71151	Performance Indicator Verification	
1, 2	06/24/2013 06/28/2013	<b>EP</b> IP 7111402	<b>- MERGENCY PREPAREDNESS INSPECTION</b> Alert and Notification System Testing	1
1, 2	06/24/2013 06/28/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	06/24/2013 06/28/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	06/24/2013 06/28/2013	IP 71151	Performance Indicator Verification	
1	09/16/2013 09/20/2013	<b>ISI</b> IP 7111108P	<b>- UNIT 1 INSERVICE INSPECTION</b> Inservice Inspection Activities - PWR	1
1	09/23/2013 09/27/2013	<b>SGISI</b> IP 7111108P	<b>- UNIT 1 SG INSERVICE INSPECTION</b> Inservice Inspection Activities - PWR	1
1, 2	12/02/2013 12/04/2013	<b>TI-182</b> IP 2515/182	<b>- TI-182 BURIED PIPING/TANK - PHASE 2</b> Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1	05/19/2014 05/23/2014	<b>OL EXAM</b> V23425	<b>- INITIAL LICENSE EXAM PREP</b> NORTH ANNA/JUNE 2014 INITIAL EXAM AT POWER FACILITIES	3
1	06/16/2014 06/20/2014	<b>OL EXAM</b> V23425	<b>- INITIAL LICENSE EXAM WEEK 1</b> NORTH ANNA/JUNE 2014 INITIAL EXAM AT POWER FACILITIES	3
1	06/23/2014 06/27/2014	<b>OL EXAM</b> V23425	<b>- INITIAL LICENSE EXAM WEEK 2</b> NORTH ANNA/JUNE 2014 INITIAL EXAM AT POWER FACILITIES	3

Comments:

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