



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

March 5, 2012

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 05000338/2011007 AND 05000339/2011007**

Dear Mr. Heacock:

On February 15, 2012, the 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, 2011, through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

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.

Although plant performance was within the Licensee Response Column, the NRC has not yet finalized the significance of an Apparent Violation (AV) 05000339/2011005-02, Failure to Provide Adequate Guidance for Installation of 2H EDG Jacket Water Cooling Inlet Jumper. The final safety significance determination may affect the NRC's assessment of plant performance and the enclosed inspection plan.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. 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.

We also plan on conducting several non-ROP inspections which include: Temporary Instruction (TI) 2515/182, Review of Implementation of the Industry Initiative to Control Degradation of Underground Piping, TI 2515/177, Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal & Containment Spray System, and Operating License Initial Exam.

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

Sincerely,

/RA/

Gerald J. McCoy, 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
(03/01/2012 – 06/30/2013)

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North Anna

Inspection / Activity Plan

03/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1, 2	03/12/2012	03/16/2012	PSB1-RP	- OCCUPATIONAL RP BASELINE WK1	3
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/12/2012	03/16/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/12/2012	03/16/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/12/2012	03/16/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	03/12/2012	03/16/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/12/2012	03/16/2012	IP 71151	Performance Indicator Verification	
			CDBI	- COMPONENT DESIGN BASES INSPECTION	5
1, 2	04/30/2012	05/04/2012	IP 7111121	Component Design Bases Inspection	
1, 2	05/21/2012	05/25/2012	IP 7111121	Component Design Bases Inspection	
1, 2	06/04/2012	06/08/2012	IP 7111121	Component Design Bases Inspection	
1, 2	06/18/2012	06/22/2012	IP 7111121	Component Design Bases Inspection	
1	03/19/2012	03/23/2012	EB3 ISI	- UNIT 1 INSERVICE INSPECTION & RPVH EXAMS	1
			IP 7111108P	Inservice Inspection Activities - PWR	
			PSB1-RP	- OCCUPATIONAL RP BASELINE WK2	3
1, 2	03/26/2012	03/30/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/26/2012	03/30/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/26/2012	03/30/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/26/2012	03/30/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	03/26/2012	03/30/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/26/2012	03/30/2012	IP 71151	Performance Indicator Verification	
			PSB1EP	- EMERGENCY PREPAREDNESS EXERCISE	4
1, 2	07/09/2012	07/13/2012	IP 7111401	Exercise Evaluation	
1, 2	07/09/2012	07/13/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	07/09/2012	07/13/2012	IP 71151	Performance Indicator Verification	
			OL EXAM	- INITIAL EXAM PREP	3
1	08/13/2012	08/17/2012	V23372	NORTH ANNA / JUNE 2012 EXAM AT POWER FACILITIES	
			OL EXAM	- INITIAL EXAM - WEEK 1	3
1	09/10/2012	09/14/2012	V23372	NORTH ANNA / JUNE 2012 EXAM AT POWER FACILITIES	
			OL EXAM	- INITIAL EXAM - WEEK 2	3
1	09/17/2012	09/21/2012	V23372	NORTH ANNA / JUNE 2012 EXAM AT POWER FACILITIES	
			TI-177	- TI-177	3
1, 2	10/22/2012	10/26/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
1, 2	11/06/2012	11/08/2012	NA TFPI	- TRIENNIAL FIRE PROTECTION INSPECTION	4
			IP 7111105T	Fire Protection [Triennial]	

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

03/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			NA TFPI	- TRIENNIAL FIRE PROTECTION INSPECTION	4
1, 2	11/26/2012	11/30/2012	IP 7111105T	Fire Protection [Triennial]	
1, 2	12/10/2012	12/14/2012	IP 7111105T	Fire Protection [Triennial]	
			TI-182	- TI-182 BURIED PIPING/TANK - PHASE 1	1
1, 2	12/03/2012	12/07/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	5
1, 2	03/11/2013	03/15/2013	IP 71152B	Problem Identification and Resolution	
1, 2	03/25/2013	03/29/2013	IP 71152B	Problem Identification and Resolution	

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