



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

September 1, 2011

Mr. David A. Heacock
President and Chief Nuclear Officer
Virginia Electric and Power Company
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, 339/2011006**

Dear Mr. Heacock:

On August 11, 2011, 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, 2010, through June 30, 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 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. We also plan to conduct a non-ROP inspection, TI 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal & Containment Spray System."

The enclosed inspection plan lists the inspections scheduled through December 31, 2012. 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.

In the days following the Fukushima Daiichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Daiichi Nuclear Station Fuel Damage Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here:

<http://www.nrc.gov/japan/japan-activities.html>. Additionally, on May 11, 2011, the agency issued NRC Bulletin 2011-01, "Mitigating Strategies," to confirm compliance with Order EA-02-026, subsequently imposed license conditions, and 10 CFR 50.54(hh)(2), and to determine the status of licensee mitigating strategies programs. On July 12, 2011, the NRC's Task Force made its recommendations to the Commission in its report, "Recommendations for Enhancing Reactor Safety in the 21st Century: The Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident." The Commission is currently reviewing the Task Force's recommendations to determine whether additional actions may be warranted.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document 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 (09/01/2011 – 12/31/2012)

In the days following the Fukushima Daiichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Daiichi Nuclear Station Fuel Damage Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here:

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PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE
 ADAMS: X Yes ACCESSION NUMBER: PKG: ML112440087 X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP											
SIGNATURE	GJM1 for	GJM1											
NAME	SNinh	GMcCoy											
DATE	09/01/2011	09/01/2011											
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

VEPCO

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cc w/encl:

Larry Lane
Site Vice President
North Anna Power Station
Virginia Electric & Power Company
Electronic Mail Distribution

Fred Mladen
Director, Station Safety & Licensing
Virginia Electric and Power Company
Electronic Mail Distribution

Michael Crist
Plant Manager
North Anna Power Station
Virginia Electric & Power Company
Electronic Mail Distribution

Lillian M. Cuoco, Esq.
Senior Counsel
Dominion Resources Services, Inc.
Electronic Mail Distribution

Tom Huber
Director, Nuclear Licensing & Operations
Support
Virginia Electric and Power Company
Electronic Mail Distribution

Ginger L. Rutherford
Virginia Electric and Power Company
Electronic Mail Distribution

Virginia State Corporation Commission
Division of Energy Regulation
P.O. Box 1197
Richmond, VA 23209

Attorney General
Supreme Court Building
900 East Main Street
Richmond, VA 23219

Senior Resident Inspector
North Anna Power Station
U.S. Nuclear Regulatory Commission
P.O. Box 490
Mineral, VA 23117

Michael M. Cline
Director
Virginia Department of Emergency Services
Management
Electronic Mail Distribution

Executive Vice President
Old Dominion Electric Cooperative
Electronic Mail Distribution

County Administrator
Louisa County
P.O. Box 160
Louisa, VA 23093

VEPCO

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Letter to David A. Heacock from Gerald J. McCoy dated September 1, 2011

SUBJECT: MID-CYCLE LETTER FOR NORTH ANNA POWER STATION UNITS 1 AND 2 -
NRC ASSESSMENT REPORT 05000338, 339/2011006

Distribution w/encl:

C. Evans, RII, EICS

L. Douglas, RII, EICS

OE Mail

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RidsNrrPMNorthAnna Resource

ROPReports

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1, 2	08/29/2011	10/07/2011	DRP/RPB5 - AUGMENTED INSPECTION TEAM IP 93800	Augmented Inspection Team	6
2	10/03/2011	10/07/2011	EB3 ISI - UNIT 2 IN-SERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
2	10/10/2011	10/14/2011	EB3SGISI - UNIT 2 SG INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	2
1, 2	11/14/2011	11/18/2011	EB3 HS - HEAT SINK IP 7111107T	Heat Sink Performance	1
1, 2	01/09/2012	01/13/2012	OL-RQ - REQUAL INSPECTION IP 7111111B	Licensed Operator Requalification Program	2
1, 2	03/12/2012	03/16/2012	PSB1-RP - OCCUPATIONAL RP BASELINE WK1 IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
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	
1	03/19/2012	03/23/2012	EB3 ISI - UNIT 1 INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
1	03/26/2012	03/30/2012	7111108 - NORTH ANNA 1 SGISI IP 7111108P	Inservice Inspection Activities - PWR	1
1, 2	03/26/2012	03/30/2012	PSB1-RP - OCCUPATIONAL RP BASELINE WK2 IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
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	
1, 2	04/23/2012	04/27/2012	CDBI - COMPONENT DESIGN BASES INSPECTION IP 7111121	Component Design Bases Inspection	6
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	05/21/2012	05/25/2012	OL EXAM - INITIAL EXAM PREP V23372	NORTH ANNA / JUNE 2012 EXAM AT POWER FACILITIES	3

North Anna

Inspection / Activity Plan

09/01/2011 - 12/31/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	06/11/2012	06/15/2012	OL EXAM - INITIAL EXAM - WEEK 1 V23372	NORTH ANNA / JUNE 2012 EXAM AT POWER FACILITIES	3
1	06/18/2012	06/22/2012	OL EXAM - INITIAL EXAM - WEEK 2 V23372	NORTH ANNA / JUNE 2012 EXAM AT POWER FACILITIES	3
1, 2	07/23/2012	07/27/2012	PSB1EP - EMERGENCY PREPAREDNESS EXERCISE IP 7111401	Exercise Evaluation	3
1, 2	07/23/2012	07/27/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	07/23/2012	07/27/2012	IP 71151	Performance Indicator Verification	
1, 2	10/22/2012	10/26/2012	TI-177 - TI-177 IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	3

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