



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

March 2, 2006

Virginia Electric and Power Company
ATTN.: Mr. David A. Christian
Sr. Vice President and
Chief Nuclear Officer
Innsbrook Technical Center - 2SW
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

SUBJECT: ANNUAL ASSESSMENT LETTER - NORTH ANNA POWER STATION (NRC
INSPECTION REPORTS 05000338/2006001 AND 05000339/2006001)

Dear Mr. Christian:

On February 9, 2006, the NRC staff completed their performance review of the North Anna Power Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter, designated and marked as "Official Use Only - Security-Related Information", will include the physical protection review and resultant inspection plan.

Overall, North Anna Power Station Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix. We base this conclusion on the fact that all inspection findings were classified as having very low safety significance (Green) and all PIs indicated performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan on conducting non-ROP inspections of your Independent Spent Fuel Storage Facility and special inspections of the Unit 1 and 2 containment sumps.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review. Although our intent is to maintain the enclosed inspection plan fixed for the first nine months, a need may arise to conduct one or more unanticipated inspections prior to issuing an updated inspection plan with the 2006 assessment cycle mid-cycle letter.

Pkg - ML060610404
Ltr - ML060610462
Encl - ML060610466

If an inspection of this type becomes necessary, we will notify you of the planned inspection dates as soon as possible to resolve as much as we can, any scheduling and personnel availability conflicts you may have.

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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4510 with any questions you may have regarding this letter or the inspection plan.

Kerry D. Landis, Chief

/RA/

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

cc w/encl: (See page 3)

VEPCO

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cc w/encl:

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North Anna
Inspection / Activity Plan
03/01/2006 - 09/30/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PSB1-RP - RP BASELINE OCCUPATIONAL WK1		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/13/2006	03/17/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/13/2006	03/17/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/13/2006	03/17/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/13/2006	03/17/2006	Baseline Inspections
	EB3-ISI - U1 INSERVICE INSPECTION		2			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/20/2006	03/24/2006	Baseline Inspections
	EB3SGISI - U1 SG ISI		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/20/2006	03/24/2006	Baseline Inspections
	PSB1-RP - RP BASELINE OCCUPATIONAL WK2		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/27/2006	03/31/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/27/2006	03/31/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/27/2006	03/31/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/27/2006	03/31/2006	Baseline Inspections
	EB3-HS - HEAT SINK		1			
1,2	IP 7111107B	Heat Sink Performance		05/01/2006	05/05/2006	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		3			
1	V23257	NORTH ANNA/MAY 2006 EXAM AT POWER FACILITIES		05/01/2006	05/05/2006	Not Applicable
	OL EXAM - INITIAL EXAM WEEK 1		3			
1	V23257	NORTH ANNA/MAY 2006 EXAM AT POWER FACILITIES		05/22/2006	05/26/2006	Not Applicable
	OL EXAM - INITIAL EXAM WEEK 2		3			
1	V23257	NORTH ANNA/MAY 2006 EXAM AT POWER FACILITIES		06/05/2006	06/09/2006	Not Applicable
	EB1-MODS - MODIFICATIONS/10CFR50.59		4			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		06/12/2006	06/16/2006	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		06/12/2006	06/16/2006	Baseline Inspections
	ISFSI-O - 60855.1 - OPERATION OF AN ISFSI		1			
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		07/03/2006	07/07/2006	Other Routine
	PS2-EP - EP EXERCISE		3			
1,2	IP 7111401	Exercise Evaluation		12/04/2006	12/08/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		12/04/2006	12/08/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		12/04/2006	12/08/2006	Baseline Inspections
	EB1-CDB - COMPONENT DESIGN BASES INSPECTION		4			
1,2	IP 7111121	Component Design Bases Inspection		12/11/2006	12/15/2006	Baseline Inspections
	EB1-CDB - COMPONENT DESIGN BASES INSPECTION		6			
1,2	IP 7111121	Component Design Bases Inspection		01/08/2007	01/12/2007	Baseline Inspections

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
03/01/2006 - 09/30/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	EB1-CDB	- COMPONENT DESIGN BASES INSPECTION	6			
1,2	IP 7111121	Component Design Bases Inspection		01/22/2007	01/26/2007	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		02/05/2007	02/09/2007	Baseline Inspections
	EB3-ISI	- U2 INSERVICE INSPECTION	1			
2	IP 7111108P	Inservice Inspection Activities - PWR		03/26/2007	03/30/2007	Baseline Inspections
	EB3SGISI	- U2 STEAM GENERATOR ISI	1			
2	IP 7111108P	Inservice Inspection Activities - PWR		04/02/2007	04/06/2007	Baseline Inspections
	PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	4			
1,2	IP 71152B	Identification and Resolution of Problems		04/02/2007	04/06/2007	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		04/16/2007	04/20/2007	Baseline Inspections
	EB1-SUMP	- PWR CONTAINMENT SUMP BLOCKAGE TI (U-2)	1			
2	IP 71111	Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity		04/08/2007	04/13/2007	Baseline Inspections
	PSB1-RP	- RP PUBLIC PRE-INSP VISIT/ISFSI	1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/14/2007	05/16/2007	Baseline Inspections
	PSB1-RP	- RP PUBLIC BASELINE INSPECTION	4			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		06/11/2007	06/15/2007	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/11/2007	06/15/2007	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		06/11/2007	06/15/2007	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		06/11/2007	06/15/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		06/11/2007	06/15/2007	Baseline Inspections
	PS2-EP	- EP INSP	1			
1,2	IP 7111402	Alert and Notification System Testing		08/06/2007	08/10/2007	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		08/06/2007	08/10/2007	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/06/2007	08/10/2007	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/06/2007	08/10/2007	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/06/2007	08/10/2007	Baseline Inspections
	EB3-ISI	- U1 INSERVICE INSPECTION	1			
1	IP 7111108P	Inservice Inspection Activities - PWR		09/17/2007	09/21/2007	Baseline Inspections
	EB3SGISI	- U1 STEAM GENERATOR ISI	1			
1	IP 7111108P	Inservice Inspection Activities - PWR		09/24/2007	09/28/2007	Baseline Inspections
	EB1-SUMP	- PWR CONTAINMENT SUMP BLOCKAGE TI (U-1)	1			
1	IP 71111	Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity		09/30/2007	10/05/2007	Baseline Inspections