



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

March 4, 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: ANNUAL ASSESSMENT LETTER FOR SURRY POWER STATION UNITS 1
AND 2 (REPORT 05000280/2011001 AND 05000281/2011001)**

Dear Mr. Heacock:

On February 10, 2011, the NRC completed its end-of-cycle performance review of Surry 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, 2010 through December 31, 2010. 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, Surry 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 Surry 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, 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 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 the non-ROP inspection for: TI 2515/177 – Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal & Containment Spray System.

VEPCO

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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 have regarding this letter.

Sincerely,

/RA/

Gerald J. McCoy, Chief
Reactor Projects Branch 5
Division of Reactor Projects

Docket Nos. 50-280, 50-281
License Nos. DPR-32, DPR-37

Enclosure: Surry Inspection/Activity Plan

cc w/encl.: (See page 3)

VEPCO

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cc w/encl:

Gerald T. Bischof
Site Vice President
Surry Power Station
Virginia Electric and Power Company
Electronic Mail Distribution

B. L. (Sonny) Stanley
Director, Nuclear Safety and Licensing
Virginia Electric and Power Company
Electronic Mail Distribution

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

Chris L. Funderburk
Director, Nuclear Licensing & Operations Support
Virginia Electric and Power Company
Electronic Mail Distribution

Ginger L. Melton
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
Surry Power Station
U.S. Nuclear Regulatory Commission
5850 Hog Island Rd
Surry, VA 23883

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

Surry

Inspection / Activity Plan

03/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1, 2	03/21/2011	03/25/2011	TI-177	- TI-177 GASEOUS INTRUSION	3
			IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
2	04/25/2011	04/29/2011	EB3 ISI	- UNIT 2 INSERVICE INSPECTION	2
			IP 7111108P	Inservice Inspection Activities - PWR	
2	04/25/2011	04/29/2011	EB3-LR	- POST-APPROVAL SITE INSPECTION - PHASE 1	2
			IP 71003	Post-Approval Site Inspection for License Renewal	
2	04/25/2011	04/29/2011	EB3SGISI	- UNIT 2 SG INSERVICE INSPECTION	1
			IP 7111108P	Inservice Inspection Activities - PWR	
1, 2	06/06/2011	06/10/2011	PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	4
			IP 71152B	Identification and Resolution of Problems	
1, 2	06/20/2011	06/24/2011	IP 71152B	Identification and Resolution of Problems	
1, 2	06/13/2011	06/17/2011	EB3HS	- HEAT SINK	1
			IP 7111107T	Heat Sink Performance	
1, 2	07/11/2011	07/15/2011	EB3 LR	- POST-APPROVAL INSPECTION FOR LR	6
			IP 71003	Post-Approval Site Inspection for License Renewal	
1, 2	07/25/2011	07/29/2011	IP 71003	Post-Approval Site Inspection for License Renewal	
1, 2	07/18/2011	07/22/2011	PSB1EP	- EMERGENCY PREPAREDNESS EXERCISE	2
			IP 7111401	Exercise Evaluation	
1, 2	07/18/2011	07/22/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	07/18/2011	07/22/2011	IP 71151	Performance Indicator Verification	
1, 2	10/03/2011	10/07/2011	PSB1-RP	- PUBLIC RADIATION PROTECTION BASELINE	5
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/03/2011	10/07/2011	IP 71124.04	Occupational Dose Assessment	
1, 2	10/03/2011	10/07/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	10/03/2011	10/07/2011	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	10/03/2011	10/07/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	10/03/2011	10/07/2011	IP 71151	Performance Indicator Verification	
1, 2	10/31/2011	11/04/2011	CDBI	- COMPONENT DESIGN BASES INSPECTION	7
			IP 7111121	Component Design Bases Inspection	
1, 2	11/14/2011	11/18/2011	IP 7111121	Component Design Bases Inspection	
1, 2	11/28/2011	12/02/2011	IP 7111121	Component Design Bases Inspection	
1, 2	12/12/2011	12/16/2011	IP 7111121	Component Design Bases Inspection	
1, 2	04/23/2012	04/27/2012	PSB1-RP	- OCCUPATIONAL RP BASELINE WK1	3
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/23/2012	04/27/2012	IP 71124.02	Occupational ALARA Planning and Controls	

This report does not include INPO and OUTAGE activities.

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

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1, 2	04/23/2012	04/27/2012	PSB1-RP - OCCUPATIONAL RP BASELINE WK1	In-Plant Airborne Radioactivity Control and Mitigation	3
1, 2	04/23/2012	04/27/2012	IP 71124.03	Radiation Monitoring Instrumentation	
1, 2	04/23/2012	04/27/2012	IP 71124.05	Performance Indicator Verification	
1, 2	04/23/2012	04/27/2012	IP 71151		
1	04/30/2012	04/30/2012	EB3-LR - UNIT 1 POST APPROVAL LR - PHASE 1	Post-Approval Site Inspection for License Renewal	1
1	04/30/2012	04/30/2012	EB3 ISI - UNIT 1 INSERVICE INSPECTION	Inservice Inspection Activities - PWR	1
1	04/30/2012	05/04/2012	EB3SGISI - UNIT 1 SG INSERVICE INSPECTION	Inservice Inspection Activities - PWR	1
1	04/30/2012	05/04/2012	IP 7111108P		
1, 2	05/14/2012	05/18/2012	PSB1-RP - OCCUPATIONAL RP BASELINE WK2	Radiological Hazard Assessment and Exposure Controls	3
1, 2	05/14/2012	05/18/2012	IP 71124.01	Occupational ALARA Planning and Controls	
1, 2	05/14/2012	05/18/2012	IP 71124.02	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/14/2012	05/18/2012	IP 71124.03	Radiation Monitoring Instrumentation	
1, 2	05/14/2012	05/18/2012	IP 71124.05	Performance Indicator Verification	
1, 2	05/14/2012	05/18/2012	IP 71151		