



**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 SURRY POWER STATION, UNITS 1
AND 2 – REPORT 05000280/2011007 AND 05000281/2011007**

Dear Mr. Heacock:

On February 15, 2012, 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, 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, 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.

Although plant performance was within the Licensee Response Column the NRC has not yet finalized the significance of a Finding (FIN) 5000281/2011005-02, Failure to Conduct Reviews of the Vendor Technical Manual for the RCS Standpipe. 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, Post Approval Site Inspection for License Renewal, 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.: 50-280, 50-281
License Nos.: DPR-32, DPR-37

Enclosure: Surry Inspection / Activity Plan
(03/01/2012 – 06/30/2013)

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Surry

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	03/05/2012	03/09/2012	TI-182 IP 2515/182	- TI-182 BURIED PIPING/TANK - PHASE 1 Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1, 2	04/23/2012	04/27/2012	PSB1-RP IP 71124.01	- OCCUPATIONAL RP BASELINE WK1 Radiological Hazard Assessment and Exposure Controls	3
1, 2	04/23/2012	04/27/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/23/2012	04/27/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/23/2012	04/27/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	04/23/2012	04/27/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/23/2012	04/27/2012	IP 71151	Performance Indicator Verification	
1	04/30/2012	05/04/2012	EB3 ISI IP 7111108P	- UNIT 1 INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
1	04/30/2012	05/04/2012	EB3 LR IP 71003	- UNIT 1 POST APPROVAL LR - PHASE 1 Post-Approval Site Inspection for License Renewal	2
1, 2	04/30/2012	05/04/2012	EB3 LR IP 71003	- UNIT 1 & 2 POST APPROVAL LR - PHASE 3 Post-Approval Site Inspection for License Renewal	1
1	05/07/2012	05/11/2012	EB3SGISI IP 7111108P	- UNIT 1 SG INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
1, 2	05/14/2012	05/18/2012	PSB1-RP IP 71124.01	- OCCUPATIONAL RP BASELINE WK2 Radiological Hazard Assessment and Exposure Controls	3
1, 2	05/14/2012	05/18/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/14/2012	05/18/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/14/2012	05/18/2012	IP 71124.04	Occupational Dose Assessment	
1, 2	05/14/2012	05/18/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	05/14/2012	05/18/2012	IP 71151	Performance Indicator Verification	
1, 2	07/10/2012	07/12/2012	SUR TFPI IP 7111105T	- TRIENNIAL FIRE PROTECTION INSPECTION Fire Protection [Triennial]	4
1, 2	07/30/2012	08/03/2012	IP 7111105T	Fire Protection [Triennial]	
1, 2	08/13/2012	08/17/2012	IP 7111105T	Fire Protection [Triennial]	
1	07/23/2012	07/27/2012	OL EXAM V23377	- INITIAL EXAM PREP SURRY / AUGUST 2012 EXAM AT POWER FACILITIES	3
1, 2	07/23/2012	07/27/2012	PSB1EP IP 7111402	- EMERGENCY PREPAREDNESS INSPECTION Alert and Notification System Testing	2
1, 2	07/23/2012	07/27/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	07/23/2012	07/27/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	07/23/2012	07/27/2012	IP 71151	Performance Indicator Verification	

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	08/13/2012	08/17/2012	OL EXAM - INITIAL EXAM - WEEK 1 V23377	SURRY / AUGUST 2012 EXAM AT POWER FACILITIES	3
1	08/20/2012	08/24/2012	OL EXAM - INITIAL EXAM - WEEK 2 V23377	SURRY / AUGUST 2012 EXAM AT POWER FACILITIES	3
1, 2	10/08/2012	10/12/2012	MODS - MODIFICATIONS INSPECTION IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	4
1, 2	10/22/2012	10/26/2012		IP 7111117T	
2	11/05/2012	11/09/2012	EB3 ISI - UNIT 2 INSERVICE INSPECTION & RPVH EXAMS IP 7111108P	Inservice Inspection Activities - PWR	2
2	11/12/2012	11/16/2012	EB3SGISI - UNIT 2 SG INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1

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