



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

March 4, 2013

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 05000280/2012001 AND 05000281/2012001**

Dear Mr. Heacock:

On February 14, 2013, the U.S. Nuclear Regulatory Commission (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, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

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, 2014. 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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

D. Heacock

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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  
(03/01/2013 – 06/30/2014)

cc w/encl: (See page 3)

D. Heacock

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cc w/encl: (See page 3)

XPUBLICLY AVAILABLE                       NON-PUBLICLY AVAILABLE                       SENSITIVE                      X NON-SENSITIVE  
ADAMS: X Yes                      ACCESSION NUMBER: \_\_\_\_\_                      XSUNSI REVIEW COMPLETE  FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	SON:/RA/	GJM:/RA/					
NAME	SNinh	GMcCoy					
DATE	2/27/2013	02/27/2013	3/ /2013	3/ /2013	3/ /2013	3/ /2013	3/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY                      DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2012\END OF CYCLE\INPUT\RPB5\SURRY\SURRY EOC LTR 2012.DOCX

D. Heacock

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cc w/encl:

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D. Heacock

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Letter to David A. Heacock from Gerald J. McCoy dated March 4, 2013.

SUBJECT: SURRY POWER STATION - NRC INTEGRATED INSPECTION REPORT  
05000280/2013 AND 05000281/2013

Distribution w/encl:

C. Evans

L. Douglas

OE Mail

RIDSNRDIRS

PUBLIC

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ROP Assessment

Institute of Nuclear Power Operations (INPO)

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>1</b>
1, 2	07/15/2013 07/19/2013	IP 7111401	Exercise Evaluation	
1, 2	07/15/2013 07/19/2013	IP 71151	Performance Indicator Verification	
		<b>RP - RP PUBLIC RAD SAFETY BASELINE</b>		<b>2</b>
1, 2	06/17/2013 06/21/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/17/2013 06/21/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	06/17/2013 06/21/2013	IP 71151	Performance Indicator Verification	
		<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>4</b>
1, 2	07/08/2013 07/12/2013	IP 71152B	Problem Identification and Resolution	
1, 2	07/22/2013 07/26/2013	IP 71152B	Problem Identification and Resolution	
		<b>ISI - UNIT 1 INSERVICE INSPECTION</b>		<b>2</b>
1	10/28/2013 11/01/2013	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>SGISI - UNIT 1 SG INSERVICE INSPECTION</b>		<b>1</b>
1	11/04/2013 11/08/2013	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>ISI - UNIT 2 IN-SERVICE INSPECTION</b>		<b>1</b>
2	04/28/2014 05/02/2014	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>RP - RP OCCUPATIONAL BASELINE</b>		<b>2</b>
1, 2	04/28/2014 05/02/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/28/2014 05/02/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/28/2014 05/02/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/28/2014 05/02/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	04/28/2014 05/02/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	04/28/2014 05/02/2014	IP 71151	Performance Indicator Verification	
		<b>SGISI - UNIT 2 SG IN-SERVICE INSPECTION</b>		<b>1</b>
2	05/05/2014 05/09/2014	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>RP - RP OCCUPATIONAL BASELINE WEEK2</b>		<b>3</b>
1, 2	05/12/2014 05/16/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/12/2014 05/16/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/12/2014 05/16/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/12/2014 05/16/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	05/12/2014 05/16/2014	IP 71124.05	Radiation Monitoring Instrumentation	

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	05/12/2014 05/16/2014	RP IP 71151	- RP OCCUPATIONAL BASELINE WEEK2 Performance Indicator Verification	3

Comments: