



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

September 1, 2009

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: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
SURRY POWER STATION

Dear Mr. Heacock:

On August 13, 2009, the NRC staff completed its performance review of Surry Power Station Units 1 and 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2008 through June 30, 2009. 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 security information. A separate letter designated and marked as "Official Use Only-Security-Related Information" will include the Security cornerstone performance review and resultant inspection plan.

Plant performance for the most recent quarter at Surry Power Station Units 1 and 2 was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to security, scheduled through December 31, 2010. In addition to ROP baseline inspection activities, we also plan on conducting infrequently performed inspections, which include; ISFSI Operational Inspection, and Operator Licensing Examinations. 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 end-of-cycle review.

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).

As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4551 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

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

Docket Nos: 50-280, 50-281, 72-02, 72-55
License Nos: DPR-32, DPR-37

Enclosure: Surry Inspection/Activity Plan

cc w/encl: (See Page 3)

cc w/encl:

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Surry
Inspection / Activity Plan
09/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			ISFSI - ISFSI OPERATIONAL INSPECTION		2
1, 2	06/01/2009	09/15/2009	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			PI&R - PROBLEM IDENTIFICATION AND RESOLUTION		5
1	09/14/2009	09/18/2009	IP 71152B	Identification and Resolution of Problems	
1	09/28/2009	10/02/2009	IP 71152B	Identification and Resolution of Problems	
			PSB1-RP - RP OCCUPATIONAL INSPECTION WK 1 (OUTAGE)		2
1, 2	11/02/2009	11/06/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1, 2	11/02/2009	11/06/2009	IP 7112102	ALARA Planning and Controls	
1, 2	11/02/2009	11/06/2009	IP 7112202	Radioactive Material Processing and Transportation	
1, 2	11/02/2009	11/06/2009	IP 71151	Performance Indicator Verification	
			EB3ISI - UNIT 2 INSERVICE INSPECTION		1
2	11/09/2009	11/13/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			EB3SGISI - UNIT 2 SG INSERVICE INSPECTION		1
2	11/09/2009	11/13/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			PSB1-RP - RP OCCUPATIONAL INSPECTION WK2 (OUTAGE)		2
1, 2	11/16/2009	11/20/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1, 2	11/16/2009	11/20/2009	IP 7112102	ALARA Planning and Controls	
1, 2	11/16/2009	11/20/2009	IP 7112202	Radioactive Material Processing and Transportation	
			INSP - MODS/50.59 INSPECTION		4
1, 2	01/11/2010	01/15/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1, 2	01/25/2010	01/29/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			OL EXAM - INITIAL EXAM PREP		4
1	06/28/2010	07/02/2010	V23336	SURRY/JULY 2010 EXAM AT POWER FACILITIES	
			PSB1-RP - RP PUBLIC RADIATION PROTECTION		3
1, 2	07/05/2010	07/09/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1, 2	07/05/2010	07/09/2010	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
1, 2	07/05/2010	07/09/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
1, 2	07/05/2010	07/09/2010	IP 71151	Performance Indicator Verification	
			PSB1EP - EMERGENCY PREPAREDNESS INSPECTION		1
1, 2	07/12/2010	07/16/2010	IP 7111402	Alert and Notification System Testing	
1, 2	07/12/2010	07/16/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
1, 2	07/12/2010	07/16/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	07/12/2010	07/16/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	07/12/2010	07/16/2010	IP 71151	Performance Indicator Verification	

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

Enclosure

Surry
Inspection / Activity Plan
09/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INITIAL EXAM - WEEK 1		4
1	07/26/2010	07/30/2010	V23336	SURRY/JULY 2010 EXAM AT POWER FACILITIES	
			OL EXAM - INITIAL EXAM - WEEK 2		4
1	08/09/2010	08/13/2010	V23336	SURRY/JULY 2010 EXAM AT POWER FACILITIES	
			PSB1-RP - RP ACCESS CONTROLS		1
1, 2	10/25/2010	10/29/2010	IP 7112101	Access Control to Radiologically Significant Areas	
			EB3ISI - UNIT 1 INSERVICE INSPECTION		1
1	11/01/2010	11/05/2010	IP 7111108P	Inservice Inspection Activities - PWR	

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Enclosure