



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

August 30, 2005

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

Dear Mr. Christian:

On August 4, 2005, the NRC staff completed its performance review of the Surry Power Station for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. 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 the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and a resultant inspection plan.

Plant performance for the most recent quarter 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 only reactor oversight process baseline inspections at your facility through March 31, 2007.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through March 31, 2007. The inspection plan is provided to minimize the resource impact on your staff and 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 twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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 the 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.

Sincerely,

**/RA/**

Kerry D. Landis, Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

Docket Nos. 50-280, 50-281, 72-002  
License Nos. DPR-32, DPR-37, SNM-2501

Enclosure: Surry Inspection/Activity Plan

cc w/encl:  
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**Surry**  
**Inspection / Activity Plan**  
**09/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>EB1-MODS - MODIFICATIONS/10CFR50.59</b>		<b>5</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		09/19/2005	09/23/2005	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		09/19/2005	09/23/2005	Baseline Inspections
	<b>EB1SSDPC - SSDPC PRE-INSPECTION VISIT</b>		<b>1</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		12/12/2005	12/16/2005	Baseline Inspections
	<b>OL PREP - INITIAL EXAM PREP</b>		<b>4</b>			
1	V23210	SURRY/EXAMS AT POWER FACILITIES		01/09/2006	01/13/2006	Not Applicable
	<b>EB1SSDPC - SAFETY SYSTEM DESIGN &amp; PERF. CAPABILITY</b>		<b>6</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		01/09/2006	01/13/2006	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		01/23/2006	01/27/2006	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		02/06/2006	02/10/2006	Baseline Inspections
	<b>OL EXAM - EXAM WEEK 1</b>		<b>4</b>			
1	V23210	SURRY/EXAMS AT POWER FACILITIES		01/23/2006	01/27/2006	Not Applicable
	<b>OL EXAM - EXAM WEEK 2</b>		<b>4</b>			
1	V23210	SURRY/EXAMS AT POWER FACILITIES		02/06/2006	02/10/2006	Not Applicable
	<b>PS2 EP - EP EXERCISE</b>		<b>4</b>			
1,2	IP 7111401	Exercise Evaluation		02/06/2006	02/10/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/06/2006	02/10/2006	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/06/2006	02/10/2006	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		02/06/2006	02/10/2006	Baseline Inspections
	<b>EB3-ISI - U1 INSERVICE INSPECTION</b>		<b>2</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		05/01/2006	05/05/2006	Baseline Inspections
	<b>EB3SGISI - U1 STEAM GENERATOR ISI</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		05/08/2006	05/12/2006	Baseline Inspections
	<b>EB3-HS - HEAT SINK</b>		<b>1</b>			
1,2	IP 7111107B	Heat Sink Performance		05/22/2006	05/26/2006	Baseline Inspections
	<b>EB2-TFP - TRIENNIAL FP PRE-INSPECTION VISIT</b>		<b>4</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		05/16/2006	05/18/2006	Baseline Inspections
	<b>EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		06/12/2006	06/16/2006	Baseline Inspections
	<b>EB2-TFP - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>			
1,2	IP 7111105T	Fire Protection [Triennial]		06/26/2006	06/30/2006	Baseline Inspections
	<b>PS1-RP - RP PREINSPECTION VISIT PUBLIC/ ISFSI</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		07/10/2006	07/12/2006	Baseline Inspections

**Surry**  
**Inspection / Activity Plan**  
**09/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
			Start	End		
<b>PS1-RP - RP BASELINE PUBLIC</b>			<b>4</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		07/31/2006	08/04/2006	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		07/31/2006	08/04/2006	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/31/2006	08/04/2006	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		07/31/2006	08/04/2006	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		07/31/2006	08/04/2006	Baseline Inspections
<b>EB3-MR - MR EFFECTIVENESS</b>			<b>2</b>			
1,2	IP 7111112B	Maintenance Effectiveness		08/28/2006	09/01/2006	Baseline Inspections
<b>PS2-EP - EP INSP</b>			<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		10/23/2006	10/27/2006	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		10/23/2006	10/27/2006	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/23/2006	10/27/2006	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		10/23/2006	10/27/2006	Baseline Inspections
1,2	IP 711151	Performance Indicator Verification		10/23/2006	10/27/2006	Baseline Inspections
<b>EB3-ISI - U2 INSERVICE INSPECTION</b>			<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/30/2006	11/03/2006	Baseline Inspections
<b>EB3SGISI - U2 STEAM GENERATOR ISI</b>			<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		11/06/2006	11/10/2006	Baseline Inspections
<b>OL RQ - REQUAL INSPECTION</b>			<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		03/05/2007	03/09/2007	Baseline Inspections