



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET SW SUITE 23TB5  
ATLANTA, GEORGIA 30303-8931**

March 4, 2002

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: ANNUAL ASSESSMENT LETTER - SURRY POWER STATION  
(REPORTS 50-280/02-01 AND 50-281/02-01)**

Dear Mr. Christian:

On February 5, 2002, the NRC staff completed its end-of-cycle plant performance assessment of the Surry Power Station. The end-of-cycle review for Surry involved the participation of all technical divisions in evaluating performance indicators (PIs) and inspection results for the period from April 1 through December 31, 2001. 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 will provide you with the opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

As discussed in our previous annual assessment letter dated May 31, 2001, this inspection and assessment cycle consisted of three quarters (i.e. the second, third, and fourth calendar quarters of Calendar Year 2001) instead of the usual four quarters. This change was implemented in order to align the inspection and assessment cycle with the calendar year beginning on January 1, 2002.

Overall, Surry Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. For both units, plant performance for the most recent quarter was within the Regulatory Response Column of the NRC's Action Matrix based upon an inspection finding being classified as low to moderate safety significance (White) in the Mitigating Systems Cornerstone. In addition, Unit 2 was in the Regulatory Response Column due the Safety System Unavailability - Emergency AC Power PI being classified as White. The PI turned White in the second quarter of the assessment cycle. We plan to conduct a supplemental inspection in accordance with the Regulatory Response Column, baseline inspections, and license renewal and Independent Spent Fuel Storage Installation related inspections at your facility through March 31, 2003. Additional inspection activities may be warranted based upon the results of the supplemental inspection.

The White inspection finding was identified for failure to promptly investigate and correct abnormal wear of the Number 3 Emergency Diesel Generator (EDG) piston wrist pins and bearings. The Unit 2 White PI was mainly associated with the Number 3 EDG White inspection finding and the unavailability of the Number 2 EDG due to generator output breaker problems. In your January 18, 2002, Reply to a Notice of Violation letter, the actions taken and planned to correct and prevent the White inspection finding were discussed. The actions included the formation of a task team to review actions to enhance the reliability of the emergency diesel generators. During April 2002, the NRC will conduct a supplemental inspection of your actions to address the White inspection finding and PI.

The enclosed inspection plan details the inspections scheduled through March 31, 2003. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The last six months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

With respect to the terrorist attacks on the World Trade Center and the Pentagon, immediately following the attacks, the NRC issued safeguards advisories recommending that nuclear power plant licensees go to the highest level of security, and all promptly did so. With continued uncertainty about the possibility of additional terrorist activities, the Nation's nuclear power plants, including Surry, remain at a high level of security. On February 25, 2002, the NRC issued an Order to all nuclear power plant licensees, requiring them to take certain additional interim compensatory measures to address the generalized high-level threat environment. These additional compensatory requirements will provide the NRC with reasonable assurance that public health and safety and the common defense and security continue to be adequately protected in the current generalized high-level threat environment. These requirements will remain in effect pending notification from the Commission that a significant change in the threat environment occurs, or until the Commission determines that other changes are needed following a more comprehensive re-evaluation of current safeguards and security programs. To date, we have monitored the Virginia Electric and Power Company's actions in response to the terrorist attacks through a series of audits. With the issuance of the Order, in addition to the inspections described in the enclosed plan, we will evaluate Surry's compliance with these interim requirements.

In accordance with 10 CFR 2.790 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4501 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Loren R. Plisco, Director  
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**  
**03/01/2002 - 03/31/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>OL PREP - INITIAL EXAM PREP</b>		<b>3</b>			
1	V23181	SURRY/EXAMS AT POWER FACILITIES		03/04/2002	03/08/2002	Not Applicable
	<b>OL EXAM - INITIAL EXAM</b>		<b>3</b>			
1	V23181	SURRY/EXAMS AT POWER FACILITIES		03/18/2002	03/29/2002	Not Applicable
	<b>EB1-SSDI - SSDI - PRE-INSPECTION VISIT</b>		<b>2</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		03/25/2002	03/29/2002	Baseline Inspections
	<b>EB2 ISI - ISI</b>		<b>1</b>			
2	IP 7111108	Inservice Inspection Activities		04/01/2002	04/05/2002	Baseline Inspections
	<b>LIC REN - CONTAINMENT INSP FOR LICENSE RENEWAL</b>		<b>1</b>			
2	IP 71002	License Renewal Inspection		04/01/2002	04/05/2002	Other Routine
	<b>95001 - 95001 SUPPLEMENTAL INSPECTION EDG ISSUES</b>		<b>1</b>			
1, 2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		04/08/2002	04/12/2002	Supplemental Program
	<b>S/G ISI - EB2 S/G ISI</b>		<b>1</b>			
2	IP 7111108	Inservice Inspection Activities		04/15/2002	04/19/2002	Baseline Inspections
	<b>BR5-FLD - FLOOD PROTECTION INSPECTION</b>		<b>1</b>			
1, 2	IP 7111106	Flood Protection Measures		05/06/2002	05/10/2002	Baseline Inspections
	<b>MB LR - VEPCO LR</b>		<b>4</b>			
1, 2	IP 71002	License Renewal Inspection		05/13/2002	05/17/2002	Other Routine
	<b>EB2-MR - EB2-MR</b>		<b>1</b>			
1, 2	IP 711112B	Maintenance Rule Implementation		06/03/2002	06/07/2002	Baseline Inspections
	<b>EB1-SSDI - SSDI - INSPECTION</b>		<b>5</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		06/10/2002	06/14/2002	Baseline Inspections
	<b>EB1-SSDI - SSDI - INSPECTION</b>		<b>5</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		06/24/2002	06/28/2002	Baseline Inspections
	<b>OL EP - EMERGENCY INSPECTION</b>		<b>1</b>			
1, 2	IP 7111402	Alert and Notification System Testing		07/29/2002	08/02/2002	Baseline Inspections
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		07/29/2002	08/02/2002	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/29/2002	08/02/2002	Baseline Inspections
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		07/29/2002	08/02/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		07/29/2002	08/02/2002	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>3</b>			
1, 2	IP 7112103	Radiation Monitoring Instrumentation		08/19/2002	08/23/2002	Baseline Inspections
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/19/2002	08/23/2002	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program		08/19/2002	08/23/2002	Baseline Inspections

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

**Surry**  
**Inspection / Activity Plan**  
**03/01/2002 - 03/31/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
<b>PS-SEC - SECURITY</b>			<b>1</b>			
1, 2	IP 7113001	Access Authorization Program (Behavior Observation Only)		09/09/2002	09/13/2002	Baseline Inspections
1, 2	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizatio		09/09/2002	09/13/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/09/2002	09/13/2002	Baseline Inspections
<b>ISFSI - EB2 ISFSI</b>			<b>1</b>			
1, 2	IP 60855	Operation Of An ISFSI		11/12/2002	11/15/2002	Other Routine
<b>PS-RP - RADIATION PROTECTION</b>			<b>1</b>			
1, 2	IP 60855	Operation Of An ISFSI		11/18/2002	11/22/2002	Other Routine
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		11/18/2002	11/22/2002	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		11/18/2002	11/22/2002	Baseline Inspections
<b>EB1-FP - FP - PRE-INSPECTION VISIT</b>			<b>5</b>			
1	IP 7111105T	Fire Protection		01/06/2003	01/10/2003	Baseline Inspections
<b>EB1-FP - FP - INSPECTION</b>			<b>4</b>			
1, 2	IP 7111105T	Fire Protection		01/27/2003	01/31/2003	Baseline Inspections
<b>EB1-FP - FP - INSPECTION</b>			<b>4</b>			
1, 2	IP 7111105T	Fire Protection		02/10/2003	02/14/2003	Baseline Inspections