



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200  
ATLANTA, GEORGIA 30303-1200

March 3, 2020

Mr. Daniel Stoddard  
Senior Vice President and  
Chief Nuclear Officer  
Innsbrook Technical Center  
5000 Dominion Boulevard  
Glen Allen, VA 23060-6711

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SURRY POWER STATION, UNITS 1  
AND 2 – NRC INSPECTION REPORTS 05000280/2019006 AND  
05000281/2019006

Dear Mr. Stoddard:

The NRC has completed its end-of-cycle performance assessment of Surry Power Station, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2019, through December 31, 2019. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Surry Power Station, Units 1 and 2, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the 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 December 31, 2021. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections described in SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections," and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with Title 10 of the *Code of Federal Regulations* (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 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).

Please contact me at 404-997-4580 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Stewart Bailey, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos.: 50-280, 50-281  
License Nos.: DPR-32, DPR-37

Enclosure:  
Surry Inspection/Activity Plan

cc Distribution via ListServ

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SURRY POWER STATION, UNITS 1 AND 2 – NRC INSPECTION REPORTS 05000280/2019006 AND 05000281/2019006 March 3, 2020

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OFFICE	RII:DRP	RII:DRP	RII: DRP	RII:DRP	
NAME	M.Toth	P.Niebaum	S. Bailey		
DATE	02/27/2020	02/24/2020	02/28/2020		

**OFFICIAL AGENCY RECORD**

# IP 22 Inspection Activity Plan Report

## Surry

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	03/16/2020	03/20/2020	IP 71130.02	000734	Access Control	
1, 2	03/16/2020	03/20/2020	IP 71130.09	001656	Security Plan Changes	
1, 2	03/16/2020	03/20/2020	IP 71151	001338	Performance Indicator Verification	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						2
2	04/27/2020	05/01/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
2	05/04/2020	05/08/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b>						3
1, 2	05/04/2020	05/08/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/04/2020	05/08/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/04/2020	05/08/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	05/04/2020	05/08/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	05/04/2020	05/08/2020	IP 71151	000746	Performance Indicator Verification	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1, 2	06/22/2020	06/26/2020	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	06/22/2020	06/26/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	06/22/2020	06/26/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	06/22/2020	06/26/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	06/22/2020	06/26/2020	IP 71151	001397	Performance Indicator Verification	
<b>PROBLEM IDENTIFICATION &amp; RESOLUTION</b>						4
1, 2	07/13/2020	07/17/2020	IP 71152B	000747	Problem Identification and Resolution	
1, 2	07/27/2020	07/31/2020	IP 71152B	000747	Problem Identification and Resolution	
<b>TRIENNIAL HEAT SINK PERFORMANCE</b>						1
1, 2	08/10/2020	08/14/2020	IP 71111.07T	000700	Heat Sink Performance	
<b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>						8
1, 2	09/14/2020	09/18/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	09/28/2020	10/02/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>CORPORATE OFFICE AA/FFD INSPECTION</b>						2
1, 2	01/11/2021	01/15/2021	IP 71130.01	000733	Access Authorization	

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

Enclosure

# IP 22 Inspection Activity Plan Report

## Surry

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>CORPORATE OFFICE AA/FFD INSPECTION</b>						2
1, 2	01/11/2021	01/15/2021	IP 71130.08	000740	Fitness For Duty Program	
<b>SURRY REQUAL INSPECTION</b>						2
1, 2	01/25/2021	01/29/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>SECURITY BASELINE INSPECTION</b>						2
1, 2	02/01/2021	02/05/2021	IP 71130.01	000733	Access Authorization	
1, 2	02/01/2021	02/05/2021	IP 71130.02	000734	Access Control	
1, 2	02/01/2021	02/05/2021	IP 71130.08	000740	Fitness For Duty Program	
1, 2	02/01/2021	02/05/2021	IP 71130.09	001656	Security Plan Changes	
1, 2	02/01/2021	02/05/2021	IP 71151	001338	Performance Indicator Verification	
<b>UNIT 1 IN-SERVICE INSPECTION +SG</b>						2
1	04/12/2021	04/16/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP PUBLIC RAD SAFETY &amp; TRANSPORTATION INSPECTION</b>						3
1, 2	05/24/2021	05/28/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	05/24/2021	05/28/2021	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	05/24/2021	05/28/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	05/24/2021	05/28/2021	IP 71151	000746	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						2
1, 2	05/24/2021	05/28/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	05/24/2021	05/28/2021	IP 71130.07	000739	Security Training	
1, 2	05/24/2021	05/28/2021	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
<b>EMERGENCY PREPAREDNESS EXERCISE</b>						5
1, 2	07/11/2021	07/24/2021	IP 71114.01	000716	Exercise Evaluation	
1, 2	07/11/2021	07/24/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	07/11/2021	07/24/2021	IP 71151	001397	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAMS)</b>						3
1, 2	07/12/2021	07/16/2021	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	07/26/2021	07/30/2021	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	

# IP 22 Inspection Activity Plan Report

## Surry

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SURRY INITIAL LICENSE EXAM</b>						3
1, 2	07/19/2021	07/23/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	08/23/2021	09/03/2021	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1, 2	09/20/2021	09/24/2021	IP 71111.05XT	000697	Fire Protection - NFPA 805	
1, 2	10/04/2021	10/08/2021	IP 71111.05XT	000697	Fire Protection - NFPA 805	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - SUR</b>						6
1, 2	09/27/2021	10/01/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	10/18/2021	10/22/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>MATERIAL CONTROL &amp; ACCOUNTING</b>						1
1, 2	10/01/2021	12/31/2021	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						2
2	10/11/2021	10/15/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b>						2
1, 2	10/18/2021	10/22/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/18/2021	10/22/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	10/18/2021	10/22/2021	IP 71151	000746	Performance Indicator Verification	