



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

March 4, 2019

Mr. Daniel G. 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 REPORT 05000280/2018006 AND  
05000281/2018006

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, 2018, through December 31, 2018. 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, 2020. 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 has proposed changes regarding engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections") and is drafting proposed changes to the ROP for Commission consideration. Should the Commission approve changes to the ROP, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. 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.

The NRC also plans to conduct the following infrequently performed inspection: Inspection Procedure, 71003, "Post-Approval Site Inspection for License Renewal, Phase IV."

This letter will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me at 404-997-4621 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Lundy F. Pressley, Acting 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

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AND 2 – NRC INSPECTION REPORT 05000280/2018006 AND  
05000281/2018006 March 4, 2019

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**ADAMS Accession No. ML19063C726**

OFFICE	RII:DRP	RII:DRP	RII: DRP	RII:DRP	
NAME	DJackson	JDodson	PNiebaum	LPressley	
DATE	2/ 26 /2019	2/ 26 /2019	2/ 26 /2019	2/ 26 /2019	

**OFFICIAL AGENCY RECORD**

# IP 22 Inspection Activity Plan Report

Surry

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SECURITY BASELINE INSPECTION</b>						3
1, 2	03/18/2019	03/22/2019	IP 71130.02	000734	Access Control	
1, 2	03/18/2019	03/22/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	03/18/2019	03/22/2019	IP 71130.07	000739	Security Training	
1, 2	03/18/2019	03/22/2019	IP 71151	001338	Performance Indicator Verification	
<b>SURRY INITIAL LICENSE EXAM</b>						4
1, 2	03/18/2019	03/22/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	04/22/2019	05/03/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EVALUATIONS OF CHANGES, TESTS AND EXPERIMENTS</b>						3
1, 2	04/22/2019	04/26/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>TARGET SET INSPECTION</b>						2
1, 2	07/15/2019	07/19/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>EMERGENCY PREPAREDNESS EXERCISE</b>						5
1, 2	07/22/2019	07/26/2019	IP 71114.01	000716	Exercise Evaluation	
1, 2	07/22/2019	07/26/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	07/22/2019	07/26/2019	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
1, 2	07/22/2019	07/26/2019	IP 71151	001397	Performance Indicator Verification	
<b>POST-APPROVAL LR PHASE 4</b>						2
1, 2	08/12/2019	08/16/2019	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>RP PUBLIC RAD SAFETY BASELINE INSPECTION</b>						2
1, 2	09/16/2019	09/20/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	09/16/2019	09/20/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>SECURITY BASELINE INSPECTION</b>						3
1, 2	09/23/2019	09/27/2019	IP 71130.05	000737	Protective Strategy Evaluation	
<b>UNIT 1 IN-SERVICE INSPECTION +SG</b>						1
1	10/28/2019	11/01/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY RAD HAZARDS &amp; TRANSPORTATION BASELINE INSPECTION</b>						2
1, 2	10/28/2019	11/01/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

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Surry

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP OCCUPATIONAL RAD SAFETY RAD HAZARDS &amp; TRANSPORTATION BASELINE INSPECTION</b>						2
1, 2	10/28/2019	11/01/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	03/09/2020	03/13/2020	IP 71130.02	000734	Access Control	
1, 2	03/09/2020	03/13/2020	IP 71151	001338	Performance Indicator Verification	
<b>UNIT 2 IN-SERVICE/SG IN-SERVICE INSPECTION</b>						2
2	05/04/2020	05/08/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1</b>						2
1, 2	05/11/2020	05/15/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/11/2020	05/15/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	05/11/2020	05/15/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/11/2020	05/15/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	05/11/2020	05/15/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2</b>						3
1, 2	06/22/2020	06/26/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	06/22/2020	06/26/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	06/22/2020	06/26/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	06/22/2020	06/26/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	06/22/2020	06/26/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>TRIENNIAL HEAT SINK PERFORMANCE</b>						1
1, 2	07/20/2020	07/24/2020	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>DESIGN BASES ASSURANCE INSPECTION</b>						6
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)	