



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

February 28, 2018

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

**SUBJECT:** ANNUAL ASSESSMENT LETTER FOR NORTH ANNA POWER STATION,  
UNITS 1 AND 2 – NRC INSPECTION REPORTS 05000338/2017006 AND  
05000339/2017006, 05000338/2017402 AND 05000339/2017402,  
05000338/2017501 AND 05000339/2017501

Dear Mr. Stoddard:

The NRC has completed its end-of-cycle performance assessment of North Anna Power Station, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017, through December 31, 2017. 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 North Anna 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, 2019. 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. 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.

Additionally, the NRC also plans to conduct the following infrequently performed inspection for Unit 2: Inspection Procedure, 71003, Post-Approval Site Inspection for License Renewal, Phase I.

D. Stoddard

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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 404-997-4609 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Steven D. Rose, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket Nos.: 50-338, 50-339  
License Nos.: NPF-4, NPF-7

Enclosure:  
North Anna Inspection/Activity Plan

cc Distribution via ListServ

D. Stoddard

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**ADAMS Accession No. ML 18059A094**

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:DRP		
NAME	DJackson	JDodson	WDeschaine	SRose		
DATE	2/23/2018	2/27/2018	2/27/2018	2/26/2018		

**OFFICIAL AGENCY RECORD**

# IP 22 Inspection Activity Plan Report

## North Anna

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SECURITY BASELINE INSPECTION</b>						<b>2</b>
1, 2	02/26/2018	03/02/2018	IP 71130.01	000733	Access Authorization	
1, 2	02/26/2018	03/02/2018	IP 71130.02	000734	Access Control	
1, 2	02/26/2018	03/02/2018	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	02/26/2018	03/02/2018	IP 71130.08	000740	Fitness For Duty Program	
1, 2	02/26/2018	03/02/2018	IP 71151	001338	Performance Indicator Verification	
1, 2	02/26/2018	03/02/2018	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
<b>UNIT 1 IN-SERVICE INSPECTION</b>						<b>1</b>
1	03/19/2018	03/23/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>UNIT 1 SG IN-SERVICE INSPECTION</b>						<b>1</b>
1	03/19/2018	03/23/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RP OCCUPATIONAL - WEEK 1</b>						<b>2</b>
1, 2	03/19/2018	03/23/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/19/2018	03/23/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	03/19/2018	03/23/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/19/2018	03/23/2018	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	03/19/2018	03/23/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	03/19/2018	03/23/2018	IP 71151	000746	Performance Indicator Verification	
<b>RP OCCUPATIONAL - WEEK 2</b>						<b>3</b>
1, 2	04/02/2018	04/06/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/02/2018	04/06/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	04/02/2018	04/06/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/02/2018	04/06/2018	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	04/02/2018	04/06/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	04/02/2018	04/06/2018	IP 71151	000746	Performance Indicator Verification	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						<b>4</b>
1, 2	05/07/2018	05/11/2018	IP 71111.05T	000696	Fire Protection (Triennial)	
1, 2	05/21/2018	05/25/2018	IP 71111.05T	000696	Fire Protection (Triennial)	

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

# IP 22 Inspection Activity Plan Report

<b>EP EXERCISE</b>						5
1, 2	05/13/2018	07/20/2018	IP 71114.08	000723	Exercise Evaluation Scenario Review	
1, 2	07/16/2018	07/20/2018	IP 71114.01	000716	Exercise Evaluation	
1, 2	07/16/2018	07/20/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	07/16/2018	07/20/2018	IP 71151	001397	Performance Indicator Verification	
<b>NORTH ANNA INITIAL LICENSE EXAM</b>						3
1, 2	05/14/2018	05/18/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	06/11/2018	06/22/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>FORCE-ON-FORCE PLANNING &amp; EXERCISE WEEK</b>						7
1, 2	06/04/2018	06/08/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	06/25/2018	06/29/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>TARGET SET</b>						1
1, 2	09/10/2018	09/14/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>						6
1, 2	10/29/2018	11/02/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	11/26/2018	11/30/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>UNIT 2 POST-APPROVAL LR PHASE 1</b>						2
1	03/11/2019	03/15/2019	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>UNIT 2 IN-SERVICE INSPECTION</b>						1
2	03/11/2019	03/15/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>UNIT 2 SG IN-SERVICE INSPECTION</b>						1
2	03/11/2019	03/15/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RAD HAZARDS</b>						1
1, 2	03/18/2019	03/22/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>SECURITY BASELINE INSPECTION</b>						1
1, 2	03/18/2019	03/22/2019	IP 71130.02	000734	Access Control	
1, 2	03/18/2019	03/22/2019	IP 71151	001338	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAM)</b>						3
1, 2	05/13/2019	05/17/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	06/03/2019	06/07/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	

# IP 22 Inspection Activity Plan Report

<b>EP PROGRAM INSPECTION</b>						3
1, 2	06/10/2019	06/14/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	06/10/2019	06/14/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	06/10/2019	06/14/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	06/10/2019	06/14/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	06/10/2019	06/14/2019	IP 71151	001397	Performance Indicator Verification	
<b>RP PUBLIC</b>						3
1, 2	08/05/2019	08/09/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	08/05/2019	08/09/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	08/05/2019	08/09/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	08/05/2019	08/09/2019	IP 71151	000746	Performance Indicator Verification	
<b>SECURITY BASELINE INSPECTION</b>						2
1, 2	08/05/2019	08/09/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	08/05/2019	08/09/2019	IP 71130.07	000739	Security Training	
<b>UNIT 1 IN-SERVICE INSPECTION</b>						1
1	09/16/2019	09/20/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>UNIT 1 SG IN-SERVICE INSPECTION</b>						1
1	09/16/2019	09/20/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						5
1, 2	10/14/2019	10/18/2019	IP 71152B	000747	Problem Identification and Resolution	
1, 2	10/28/2019	11/01/2019	IP 71152B	000747	Problem Identification and Resolution	