



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

March 3, 2020

Ernest J. Kapopoulos, Jr.  
Site Vice President  
H. B. Robinson Steam Electric Plant  
Duke Energy Progress, LLC  
3581 West Entrance Road, RNPA01  
Hartsville, SC 29550

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR H.B. ROBINSON STEAM ELECTRIC  
PLANT UNIT 2 – REPORT 05000261/2019006**

Dear Mr. Kapopoulos:

The Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance assessment of H.B. Robinson Steam Electric Plant Unit 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 H.B. Robinson Steam Electric Plant Unit 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 (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.

Additionally, during this period the NRC will schedule an additional inspection per a revised version Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (ML19163A176), which included an option for relying on annunciation and operator manual actions instead of automatic protective features to isolate a power supply affected by an open phase condition. Licensees will be individually notified when the NRC schedules these inspections.

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>.

Please contact me at 404-997-4603 with any questions you have regarding this letter.

Sincerely,

/RA/

Randall A. Musser, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Docket Nos.: 50-261  
License Nos.: DPR-23

Enclosure:  
Robinson Inspection/Activity Plan  
(03/01/2020 – 12/31/2021)

cc Distribution via ListServ

SUBJECT: ANNUAL ASSESSMENT LETTER FOR H.B. ROBINSON STEAM ELECTRIC  
PLANT UNIT 2 – REPORT 05000261/2019006, dated March 3, 2020

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OFFICE	RII:DRP/PB3	RII:DRP/PB3	RII:DRP/PB3		
NAME	L. Pressley	A. Wilson	R. Musser		
DATE	2/24/2020	2/25/2020	2/26/2020		

**OFFICAL RECORD COPY**

# IP 22 Inspection Activity Plan Report

## Robinson

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
2	03/09/2020	03/13/2020	IP 71114.02	000717	Alert and Notification System Testing	
2	03/09/2020	03/13/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2	03/09/2020	03/13/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2	03/09/2020	03/13/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2	03/09/2020	03/13/2020	IP 71151	001397	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - ROB</b>						6
2	04/20/2020	04/24/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2	05/11/2020	05/15/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>CYBER SECURITY INSPECTION</b>						4
2	05/18/2020	05/23/2020	IP 71130.10P	000741	Cyber Security	
2	06/08/2020	06/12/2020	IP 71130.10P	000741	Cyber Security	
<b>SECURITY BASELINE INSPECTION</b>						3
2	08/17/2020	08/21/2020	IP 71130.02	000734	Access Control	
2	08/17/2020	08/21/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2	08/17/2020	08/21/2020	IP 71130.07	000739	Security Training	
2	08/17/2020	08/21/2020	IP 71130.09	001656	Security Plan Changes	
2	08/17/2020	08/21/2020	IP 71151	001338	Performance Indicator Verification	
<b>NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
2	08/24/2020	08/28/2020	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
2	09/14/2020	09/18/2020	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAMS)</b>						3
2	10/05/2020	10/09/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
2	10/19/2020	10/23/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						2
2	11/09/2020	11/13/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b>						3
2	11/16/2020	11/20/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	11/16/2020	11/20/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	

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

## Robinson

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b>						3
2	11/16/2020	11/20/2020	IP 71124.04	000728	Occupational Dose Assessment	
2	11/16/2020	11/20/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
2	11/16/2020	11/20/2020	IP 71151	000746	Performance Indicator Verification	
<b>ROBINSON REQUAL INSPECTION</b>						2
2	02/22/2021	02/26/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>EVALUATIONS OF CHANGES, TESTS AND EXPERIMENTS</b>						3
2	03/01/2021	03/05/2021	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>RP PUBLIC RAD SAFETY AND TRANSPORTATION INSPECTION</b>						3
2	05/10/2021	05/14/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
2	05/10/2021	05/14/2021	IP 71124.07	000731	Radiological Environmental Monitoring Program	
2	05/10/2021	05/14/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
2	05/10/2021	05/14/2021	IP 71151	000746	Performance Indicator Verification	
<b>EMERGENCY PREPAREDNESS EXERCISE</b>						5
2	05/16/2021	05/22/2021	IP 71114.01	000716	Exercise Evaluation	
2	05/16/2021	05/22/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2	05/16/2021	05/22/2021	IP 71151	001397	Performance Indicator Verification	
<b>TRIENNIAL HEAT SINK PERFORMANCE</b>						1
2	07/19/2021	07/23/2021	IP 71111.07T	000700	Heat Sink Performance	
<b>ROBINSON INITIAL LICENSE EXAM</b>						3
2	08/16/2021	08/20/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	09/20/2021	10/01/2021	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>SECURITY BASELINE INSPECTION</b>						1
2	10/18/2021	10/22/2021	IP 71130.02	000734	Access Control	
2	10/18/2021	10/22/2021	IP 71130.09	001656	Security Plan Changes	
2	10/18/2021	10/22/2021	IP 71151	001338	Performance Indicator Verification	
<b>TARGET SET INSPECTION</b>						2
2	10/25/2021	10/29/2021	IP 71130.14	000743	Review of Power Reactor Target Sets	

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# IP 22 Inspection Activity Plan Report

## Robinson

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION</b>						2
2	12/06/2021	12/10/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	12/06/2021	12/10/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2	12/06/2021	12/10/2021	IP 71151	000746	Performance Indicator Verification	