



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

March 4, 2019

Mr. Tom Simril  
Site Vice President  
Duke Energy Corporation  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745-9635

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CATAWBA NUCLEAR STATION UNITS 1  
AND 2 - NRC INSPECTION REPORT 05000413/2018006 AND 05000414/2018006

Dear Mr. Simril:

The NRC has completed its end-of-cycle performance assessment of Catawba Nuclear 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 Catawba Nuclear 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.

On May 10, 2018, the NRC completed a supplemental inspection using Inspection Procedure (IP) 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs." After reviewing Catawba Nuclear Station, Unit 2, performance in addressing the White finding, the NRC concluded that your actions met the objectives of IP 95001. As a result, the NRC determined the performance at Catawba Nuclear Station, Unit 2, to be in the Licensee Response Column of the Reactor Oversight Process Action Matrix as of July 1, 2018. The White finding was closed in NRC inspection report 05000414/2018040 (ADAMS Accession No. ML18143B537).

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 is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). 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, 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 will conduct Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)," during the week of June 10, 2019.

This letter, its enclosure, and your response (if any) 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 Frank Ehrhardt at 404-997-4611 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Joel T. Munday, Director  
Division of Reactor Projects

Docket Nos.: 50-413, 50-414  
License Nos.: NPF-35, NPF-52

Enclosure: Catawba Inspection/Activity Plan  
(03/01/2019 – 12/31/2020)

cc distribution via ListServ

Letter to Tom Simril from Joel Munday dated March 4, 2019

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CATAWBA NUCLEAR STATION UNITS 1  
AND 2 - NRC INSPECTION REPORT 05000413/2018006 AND 05000414/2018006

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**ADAMS Accession No: ML19063A971**

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII: DRP	
NAME	MToth	JWorosilo	FEhrhardt	JMunday	
DATE	2/1/2019	2/4/2019	2/21/2019	2/26/2019	

**OFFICIAL RECORD COPY**

# IP 22 Inspection Activity Plan Report

## Catawba

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>CYBER SECURITY</b>						<b>4</b>
1, 2	03/04/2019	03/08/2019	IP 71130.10P	000741	Cyber Security	
1, 2	03/18/2019	03/22/2019	IP 71130.10P	000741	Cyber Security	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						<b>3</b>
1, 2	03/11/2019	03/15/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	03/11/2019	03/15/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	03/11/2019	03/15/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	03/11/2019	03/15/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	03/11/2019	03/15/2019	IP 71151	001397	Performance Indicator Verification	
<b>TI-194 OPEN PHASE CONDITION</b>						<b>1</b>
1, 2	06/10/2019	06/14/2019	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
<b>FORCE-ON-FORCE PLANNING AND EXERCISE</b>						<b>6</b>
1, 2	07/15/2019	07/19/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	08/05/2019	08/09/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>TRIENNIAL HEAT SINK PERFORMANCE</b>						<b>1</b>
1, 2	07/22/2019	07/26/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>RP PUBLIC RAD SAFETY BASELINE INSPECTION</b>						<b>2</b>
1, 2	07/29/2019	08/02/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	07/29/2019	08/02/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>CATAWBA INITIAL LICENSE EXAM</b>						<b>3</b>
1, 2	08/05/2019	08/09/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	09/09/2019	09/20/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>UNIT 2 IN-SERVICE INSPECTION +SG</b>						<b>3</b>
2	09/23/2019	09/27/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY RAD HAZARDS &amp; TRANSPORTATION BASELINE INSPECTION</b>						<b>2</b>
1, 2	09/23/2019	09/27/2019	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.

# IP 22 Inspection Activity Plan Report

## Catawba

03/01/2019 - 12/31/2020

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<b>RP OCCUPATIONAL RAD SAFETY RAD HAZARDS &amp; TRANSPORTATION BASELINE INSPECTION</b>						<b>2</b>
1, 2	09/23/2019	09/27/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAM)</b>						<b>3</b>
1, 2	10/28/2019	11/01/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	11/18/2019	11/22/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>SECURITY BASELINE INSPECTION</b>						<b>3</b>
1, 2	11/04/2019	11/08/2019	IP 71130.02	000734	Access Control	
1, 2	11/04/2019	11/08/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	11/04/2019	11/08/2019	IP 71130.07	000739	Security Training	
1, 2	11/04/2019	11/08/2019	IP 71151	001338	Performance Indicator Verification	
<b>EVALUATIONS OF CHANGES, TESTS, AND EXPERIMENTS</b>						<b>3</b>
1, 2	02/03/2020	02/07/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION</b>						<b>4</b>
1, 2	03/30/2020	04/03/2020	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2	04/13/2020	04/17/2020	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>EMERGENCY PREPAREDNESS EXERCISE INSPECTION</b>						<b>6</b>
1, 2	04/06/2020	04/10/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	04/06/2020	04/10/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	04/06/2020	04/10/2020	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
1, 2	04/06/2020	04/10/2020	IP 71151	001397	Performance Indicator Verification	
<b>UNIT 1 IN-SERVICE/SG IN-SERVICE INSPECTION</b>						<b>2</b>
1	05/04/2020	05/08/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1</b>						<b>2</b>
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	

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# IP 22 Inspection Activity Plan Report

## Catawba

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2</b>						<b>3</b>
1, 2	06/01/2020	06/05/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	06/01/2020	06/05/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	06/01/2020	06/05/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	06/01/2020	06/05/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	06/01/2020	06/05/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>CATAWBA REQUAL INSPECTION</b>						<b>2</b>
1, 2	08/24/2020	08/28/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						<b>4</b>
1, 2	10/12/2020	10/16/2020	IP 71152B	000747	Problem Identification and Resolution	
1, 2	10/26/2020	10/30/2020	IP 71152B	000747	Problem Identification and Resolution	
<b>SECURITY BASELINE INSPECTION</b>						<b>3</b>
1, 2	10/19/2020	10/23/2020	IP 71130.02	000734	Access Control	
1, 2	10/19/2020	10/23/2020	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	10/19/2020	10/23/2020	IP 71151	001338	Performance Indicator Verification	

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