



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

March 4, 2013

Mr. Kelvin Henderson  
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 05000413/2012001 AND  
05000414/2012001)**

Dear Mr. Henderson:

On February 12, 2013, the NRC completed its end-of-cycle performance review of Catawba Nuclear Station Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012 through December 31, 2012. 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 determined that overall, Catawba Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Catawba Unit 1 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of a White finding which originated in the 2<sup>nd</sup> quarter of 2012. This finding was related to an inoperable offsite power supply to Unit 1. This was different from the 2<sup>nd</sup> and 3<sup>rd</sup> quarter 2012 because the final significance determination letter was issued on October 11, 2012. Plant performance at Catawba Unit 2 during the most recent quarter was within the Licensee Response Column because all Unit 2 inspection findings had very low (i.e., Green) safety significance and all PIs for both units indicated performance at a level requiring no additional NRC oversight (Green).

On February 25, 2013, your staff notified the NRC of your readiness for a supplemental inspection to review your actions to address the Unit 1 White finding. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area. The objective of this supplemental inspection is to ensure that the root and contributing causes have been identified and appropriate corrective actions to prevent recurrence are either planned or taken.

ML13063A487

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. We will also be performing an Independent Spent Fuel Storage Installation Initial Campaign inspection; Temporary Instruction 182, Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping; and reactor operator licensing examinations. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 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 Jonathan Bartley at (404) 997-4607 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Richard P. Croteau, Director  
Division of Reactor Projects

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

Enclosure: Catawba Nuclear Station Inspection/  
Activity Plan (03/01/2013 – 06/30/2014)

cc w/encl: (See page 3)

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. We will also be performing an Independent Spent Fuel Storage Installation Initial Campaign inspection; Temporary Instruction 182, Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping; and reactor operator licensing examinations. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 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 Jonathan Bartley at (404) 997-4607 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Richard P. Croteau, Director  
Division of Reactor Projects

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

Enclosure: Catawba Nuclear Station Inspection/  
Activity Plan (03/01/2013 – 06/30/2014)

cc w/encl: (See page 3)

PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
ADAMS:  Yes      ACCESSION NUMBER: \_\_\_\_\_       SUNSI REVIEW COMPLETE       FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:DRP			
SIGNATURE	CWR /RA/	JHB /RA/		RPC /RA/			
NAME	CRapp	JBartley	WJones	RCroteau			
DATE	02/27/2013	02/27/2013		02/28/2013			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: [HTTP://PORTAL.NRC.GOV/EDO/RII/DRP/BRANCH1/QUARTERLY DEBRIEF INPUTS/EOC INPUTS/CNS EOC LETTER.DOCX](http://portal.nrc.gov/EDO/RII/DRP/BRANCH1/QUARTERLY_DEBRIEF_INPUTS/EOC_INPUTS/CNS_EOC_LETTER.DOCX)

K. Henderson

3

cc w/encl:  
Scott L. Batson  
Plant Manager  
Catawba Nuclear Station  
Duke Energy Corporation  
Electronic Mail Distribution

William M. Suslick  
Design Engineering Manager  
Catawba Nuclear Station  
Duke Energy Corporation  
Electronic Mail Distribution

Steven B. Putnam  
Organizational Effectiveness Manager  
Catawba Nuclear Station  
Duke Energy Corporation  
Electronic Mail Distribution

Randall D. Hart  
Regulatory Compliance Manager  
Catawba Nuclear Station  
Duke Energy Corporation  
Electronic Mail Distribution

Joseph Michael Frisco, Jr.  
Vice President, Nuclear Design Engineering  
General Office  
Duke Energy Corporation  
Electronic Mail Distribution

M. Christopher Nolan  
Director - Regulatory Affairs  
General Office  
Duke Energy Corporation  
Electronic Mail Distribution

David A. Cummings (acting)  
Fleet Regulatory Compliance & Licensing  
Manager  
General Office  
Duke Energy Corporation  
Electronic Mail Distribution

Alicia Richardson  
Licensing Administrative Assistant  
General Office  
Duke Energy Corporation  
Electronic Mail Distribution

Lara S. Nichols  
Deputy General Counsel  
Duke Energy Corporation  
Electronic Mail Distribution

David A. Cummings  
Associate General Counsel  
General Office  
Duke Energy Corporation  
Electronic Mail Distribution

Beth J. Horsley  
Wholesale Customer Relations  
Duke Energy Corporation  
Electronic Mail Distribution

Sandra Threatt, Manager  
Nuclear Response and Emergency  
Environmental Surveillance  
Bureau of Land and Waste Management  
Department of Health and Environmental  
Control  
Electronic Mail Distribution

Division of Radiological Health  
TN Dept. of Environment & Conservation  
401 Church Street  
Nashville, TN 37243-1532

David A. Repka  
Winston Strawn LLP  
Electronic Mail Distribution

County Manager of York County  
York County Courthouse  
P. O. Box 66  
York, SC 29745-0066

Piedmont Municipal Power Agency  
Electronic Mail Distribution

Vanessa Quinn  
Federal Emergency Management Agency  
Radiological Emergency Preparedness  
Program  
1800 S. Bell Street  
Arlington, VA 20598-3025

K. Henderson

4

Letter to Kelvin Henderson from Richard P. Croteau dated March 4, 2013

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CATAWBA NUCLEAR STATION  
UNITS 1 AND 2 (NRC INSPECTION REPORT 05000413/2012001 AND  
05000414/2012001)

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

A. Adams, NRR

RidsNrrPMCatawba Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Catawba

Inspection / Activity Plan  
 03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	03/18/2013 03/21/2013	<b>PB1-SUPP - 95001</b> IP 95001	<b>SUPPLEMENTAL FOR WHITE FINDING</b> Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	1
1,2	03/11/2013 03/15/2013	<b>EP</b> IP 7111402	<b>- EMERGENCY PREPAREDNESS INSPECTION</b> Alert and Notification System Testing	3
1,2	03/11/2013 03/15/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	03/11/2013 03/15/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	03/11/2013 03/15/2013	IP 71151	Performance Indicator Verification	
1,2	04/01/2013 04/05/2013	<b>TI-182</b> IP 2515/182	<b>BURIED PIPING/TANK - PHASE 1</b> Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1,2	04/22/2013 04/26/2013	<b>TFPI</b> IP 7111105T	<b>- TRIENNIAL FIRE PROTECTION INSP</b> Fire Protection [Triennial]	5
1,2	05/06/2013 05/10/2013	IP 7111105T	Fire Protection [Triennial]	
1,2	04/28/2013 05/03/2013	<b>ISFSI</b> IP 60855.1	<b>- ISFSI MAGNASTOR INITIAL LOADING</b> Operation of an Independent Spent Fuel Storage Installation at Operating Plants	2
1	08/19/2013 08/23/2013	<b>OL EXAM</b> V23405	<b>- INITIAL EXAM PREP</b> CATAWBA/SEPTEMBER 2013 EXAM AT POWER FACILITIES	2
1	09/16/2013 09/20/2013	<b>OL EXAM</b> V23405	<b>- INITIAL EXAM WEEK 1</b> CATAWBA/SEPTEMBER 2013 EXAM AT POWER FACILITIES	2
2	09/23/2013 09/27/2013	<b>ISI</b> IP 7111108P	<b>- UNIT 2 INSERVICE INSPECTION</b> Inservice Inspection Activities - PWR	1
1,2	09/23/2013 09/27/2013	<b>RP</b> IP 71124.01	<b>- RAD HAZARD ANALYSIS AND TRANSPORTATION</b> Radiological Hazard Assessment and Exposure Controls	2
1,2	09/23/2013 09/27/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	09/23/2013 09/27/2013	<b>OL EXAM</b> V23405	<b>- INITIAL EXAM WEEK 2</b> CATAWBA/SEPTEMBER 2013 EXAM AT POWER FACILITIES	2
1,2	11/12/2013 11/14/2013	<b>TI-182</b> IP 2515/182	<b>BURIED PIPING/TANK - PHASE 2</b> Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1,2	03/17/2014 03/21/2014	<b>EP</b> IP 7111401	<b>- EP EXERCISE</b> Exercise Evaluation	1
1,2	03/17/2014 03/21/2014	IP 71151	Performance Indicator Verification	
1,2	02/10/2014 02/14/2014	<b>MODS</b> IP 7111117T	<b>- PLANT MODIFICATION INSPECTION</b> Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1,2	02/24/2014 02/28/2014	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

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

## Catawba

## Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	04/14/2014 04/18/2014	<b>OL EXAM - INITIAL LICENSE EXAM PREP</b> V23422	CATAWBA/MAY 2014 INITIAL EXAM AT POWER FACILITIES	3
1	05/12/2014 05/16/2014	<b>ISI - UNIT 1 IN-SERVICE INSPECTION</b> IP 7111108P	Inservice Inspection Activities - PWR	1
1	05/12/2014 05/16/2014	<b>OL EXAM - INITIAL LICENSE EXAM WEEK 1</b> V23422	CATAWBA/MAY 2014 INITIAL EXAM AT POWER FACILITIES	3
1, 2	05/19/2014 05/23/2014	<b>RP - RP OCCUPATIONAL BASELINE</b> IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
1, 2	05/19/2014 05/23/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/19/2014 05/23/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/19/2014 05/23/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	05/19/2014 05/23/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	05/19/2014 05/23/2014	IP 71151	Performance Indicator Verification	
1	05/19/2014 05/23/2014	<b>SGISI - UNIT 1 SG IN-SERVICE INSPECTION</b> IP 7111108P	Inservice Inspection Activities - PWR	1
1	05/19/2014 05/23/2014	<b>OL EXAM - INITIAL LICENSE EXAM WEEK 2</b> V23422	CATAWBA/MAY 2014 INITIAL EXAM AT POWER FACILITIES	3
1, 2	06/02/2014 06/06/2014	<b>RP - RP OCCUPATIONAL BASELINE WEEK2</b> IP 71124.01	Radiological Hazard Assessment and Exposure Controls	2
1, 2	06/02/2014 06/06/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	06/02/2014 06/06/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	06/02/2014 06/06/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	06/02/2014 06/06/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	06/02/2014 06/06/2014	IP 71151	Performance Indicator Verification	

## Comments:

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