



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

October 22, 2018

Ernest J. Wylie
Director, Nuclear Plant Security
Catawba Nuclear Station
Mail Code: CN01SC
4800 Concord Road
York, SC 29745

**SUBJECT: CATAWBA NUCLEAR STATION, UNITS 1 AND 2 – U.S. NUCLEAR
REGULATORY COMMISSION SECURITY INSPECTION REPORT
05000413/2018413 AND 05000414/2018413**

Dear Mr. Wylie:

On October 4, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed a security inspection at your Catawba Nuclear Station, Units 1 and 2 and the NRC inspectors discussed the results of this inspection with Mr. Cecil Fletcher, Regulatory Affairs Manager and other members of your staff. The results of this inspection are documented in the enclosed report.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

The NRC inspectors did not identify any finding or violation of more than minor significance.

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." If you choose to provide a response that contains Security-Related Information, please mark your entire response "Security-Related Information—Withhold from public disclosure under 10 CFR 2.390" in accordance with 10 CFR 2.390(d)(1) and follow the instructions for withholding in 10 CFR 2.390(b)(1).

The NRC is waiving the affidavit requirements for your response in accordance with 10 CFR 2.390(b)(1)(ii).

Sincerely,

/RA/

Scott M. Shaeffer, Chief
Engineering Branch 2
Division of Reactor Safety

Docket Nos: 50-413 & 50-414
License Nos: NPF-35 & NPF-52

Enclosure:
Inspection Report 05000413/2018413
and 05000414/2018413

cc: Distribution via Listserv

cc:

Ernest J. Wylie
Catawba Nuclear Station
Mail Code: CN01SC
4800 Concord Road
York SC 29745

Terry W. King
Duke Energy Carolinas, LLC
526 South Church Street
Charlotte, NC 28202-1802

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REGULATORY COMMISSION SECURITY INSPECTION REPORT
05000413/2018413 AND 05000414/2018413 dated October 22, 2018

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NUCLEAR REGULATORY COMMISSION

Inspection Report

Docket Number(s): 50-413 & 50-414

License Number(s): NPF-35 & NPF-52

Report Number(s): 05000413/2018413 & 05000414/2018413

Enterprise Identifier: I-2018-413-0016

Licensee: Duke Energy Carolinas, LLC.

Facility: Catawba Nuclear Station, Units 1 and 2

Location: York, SC

Inspection Dates: October 02-04, 2018

Inspectors: D. Strickland, Reactor Inspector (Lead Inspector)
E. Coffman, Reactor Inspector

Approved By: Scott M. Shaeffer, Chief
Engineering Branch 2
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring Duke's performance by conducting a Review of Power Reactor Target Sets inspection at Catawba Nuclear Station, Units 1 and 2, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Finding and Violations

No findings or more than minor violations were identified.

INSPECTION SCOPE

Inspections were conducted using the appropriate portions of the inspection procedure (IP) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase" and IMC 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." The inspectors reviewed selected procedures and records, observed activities, conducted plant walk-downs, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and industry standards.

SAFEGUARDS

71130.14 - Review of Power Reactor Target Sets (1 Sample)

Review of Events and Logs (Section 02.01)

The inspectors reviewed any available licensee event reports, safeguards log entries, and corrective action program entries since the last Target Set inspection that concern the target set identification and development program.

Target Set Identification and Development Process Review (Section 02.02)

The inspectors assessed the licensee's documentation and maintenance of the process used to develop and identify complete and accurate target sets as required by 10 CFR Part 73 by reviewing applicable portions of procedures and samples of records and conducting interviews with responsible personnel and plant employees.

Verification of Target Sets Changes (Section 02.03)

The inspectors reviewed changes to the licensee's documented target sets since the last Target Set inspection. The inspectors verified that any design modifications and procedure or configuration changes that have occurred were appropriately documented in target sets.

Verification of Complete and Accurate Target Sets (Section 02.04)

The inspectors interviewed licensee personnel and reviewed a sample of target sets for reactor operation and for modes other than operation. The inspectors reviewed assumptions used in the licensee's development of its target sets.

Physical Protection Program Review (Section 02.05)

The inspectors verified that the licensee performed a review of target sets for accuracy, completeness, and applicability at least every 24 months and as otherwise required, documented the results and recommendations, and entered findings in the site's corrective action program (CAP).

INSPECTION RESULTS**71130.14 Review of Power Reactor Target Sets**

No findings or more than minor violations were identified.

EXIT MEETINGS AND DEBRIEFS

On October 4, 2018, the inspectors presented the inspection results to Mr. Cecil Fletcher, Regulatory Affairs Manager and other members of the licensee staff. The inspectors verified no proprietary information nor safeguards information was retained.

LIST OF DOCUMENTS REVIEWED

CORRECTIVE ACTION DOCUMENTS WRITTEN AS A RESULT OF THE INSPECTION

GNRL 02235178, 10/08/2018

PRR 02235069, 10/03/2018

NTM 02235089, 10/03/2018

PROCEDURES

AD-SY-ALL-0130, Development and Maintenance of Target Sets, Rev. 1

AD-EG-ALL-1132, Preparation and Control of Design Change Engineering Changes, Rev. 11

AD-EG-ALL-1110, Design Review Requirements, Rev. 5

AD-SY-ALL-0120, Safety/Security Interface Processes, Rev. 0

SP/C/1600-C, Security Event Response, Rev. 4

CORRECTIVE ACTION DOCUMENTS

NCR 02222977, 08/06/2018

NCR 02219962, 07/19/2018

NCR 02222953, 08/06/2018

NCR 02076491, 11/07/2016

NCR 01977725, 11/23/2015

NCR 01990968, 01/13/2016

NCR 02222990, 08/06/2018

MISCELLANEOUS DOCUMENTS

SAST 02223002, CNS Target Set Review Assessment, 8/06/2018

CNC-1535.00-00-0150, HRA Flood Mitigation Strategies for Catawba Nuclear Station Units 1 & 2,
Rev. 1