



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

August 27, 2019

J. Ed Burchfield, Jr.  
Site Vice President, Oconee Nuclear Station  
Duke Energy Carolinas, LLC  
7800 Rochester Highway  
Seneca, SC 29672-0752

SUBJECT: OCONEE NUCLEAR STATION – TARGET SET INSPECTION REPORT  
05000269/2019413 AND 05000270/2019413 AND 05000287/2019413

Dear Mr. Burchfield:

On July 24, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Oconee Nuclear Station and discussed the results of this inspection with Mr. J. Ed Burchfield, Jr., Site Vice President and other members of your staff. The results of this inspection are documented in the enclosed report.

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."

Sincerely,

**/RA/**

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

Docket Nos. 05000269 and 05000270 and 05000287  
License Nos. DPR-38 and DPR-47 and DPR-55

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: OCONEE NUCLEAR STATION – TARGET SET INSPECTION REPORT  
05000269/2019413 AND 05000270/2019413 AND 05000287/2019413 dated  
August 27, 2019

**DISTRIBUTION:**

D. Strickland, RII, DRS  
M. Singletary, RII, DRS  
S. Shaeffer, RII, DRS

DOCUMENT NAME: S:\DRS New\Eng Branch 2\TS Inspection Info\Oconee\2019\Oconee 2019413 - Copy.docx  
ADAMS ACCESSION NUMBER: ML19239A211

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NAME	D. Strickland	M. Singletary	S. Shaeffer		
DATE	8/20/2019	8/20/2019	8/27/2019		

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**U.S. NUCLEAR REGULATORY COMMISSION**  
**Inspection Report**

Docket Numbers: 05000269, 05000270 and 05000287

License Numbers: DPR-38, DPR-47 and DPR-55

Report Numbers: 05000269/2019413, 05000270/2019413 and 05000287/2019413

Enterprise Identifier: I-2019-413-0003

Licensee: Duke Energy Carolinas, LLC

Facility: Oconee Nuclear Station

Location: Seneca, SC

Inspection Dates: July 23, 2019 to July 24, 2019

Inspectors: D. Strickland, Reactor Inspector (Team Lead)  
M. Singletary, 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 the licensee's performance by conducting a Target Set Inspection at Oconee Nuclear Station 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 Findings and Violations**

No findings or violations of more than minor significance were identified.

### **Additional Tracking Items**

None.

## **PLANT STATUS**

Unit 1, 2, and 3 began the inspection period at rated thermal power and both units remained at or near rated thermal power for the remainder of the inspection period.

## **INSPECTION SCOPES**

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) 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." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

## **OTHER ACTIVITIES – BASELINE**

### 71130.14 - Review of Power Reactor Target Sets

The inspectors evaluated the Security Target Set Program. The following elements were evaluated:

#### Review of Power Reactor Target Sets (1 Sample)

- (1) All requirements: 2.01, 2.02 (a-f), 2.03, 2.04 (a-b), and 2.05.

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

The inspectors verified no proprietary information was retained or documented in this report.

- On July 24, 2019, the inspectors presented the Target Set Inspection results to Mr. J. Ed Burchfield, Jr., Site Vice President and other members of the licensee staff.

## DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.14	Corrective Action Documents	AR 02045353		08/30/2016
		AR 02057921		08/30/2016
		AR 02058228		8/31/2016
		AR 02061838		09/14/2016
		AR 02121322		05/03/2017
		AR 02213111		06/14/2018
		AR 02248457		12/12/2018
		AR 02253337		01/21/2019
		AR 02262115		03/11/2019
		AR 02271052		05/02/2019
	Engineering Changes	EC 00407470		2
		EC 408922		0
		EC 408924		0
		EC 91833		6
	Procedures	AD-PI-ALL-0100		21
		AD-SY-ALL-0130		2
		AP-0-A-1700-025		63
		AP-0-A-1700-045		17
	Work Orders	20337480 01		06/26/2019