



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 11, 2022

Mr. Steven M. Snider
Site Vice President, Oconee Nuclear Station
Duke Energy Carolinas, LLC
7800 Rochester Highway
Seneca, SC 29672-0752

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 – SCHEDULE REVISION
FOR THE SUBSEQUENT LICENSE RENEWAL APPLICATION REVIEW

Dear Mr. Snider:

By letter dated June 7, 2021 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML21158A193), as supplemented by letters dated October 22, 2021 (ADAMS Accession No. ML21295A035), October 28, 2021 (ADAMS Accession No. ML21302A208), November 11, 2021 (ADAMS Accession No. ML21315A012), December 2, 2021 (ADAMS Accession No. ML21336A001), December 15, 2021 (ADAMS Accession No. ML21349A005), December 17, 2021 (ADAMS Accession No. ML21351A000), January 7, 2022 (ADAMS Accession No. ML22010A129), January 21, 2022 (ADAMS Accession No. ML22021A000), February 14, 2022 (ADAMS Accession No. ML22045A021), February 21, 2022 (ADAMS Accession No. ML22052A002), March 22, 2022 (ADAMS Accession No. ML22081A027), and March 31, 2022 (ADAMS Accession No. ML22090A046), Duke Energy Carolinas, LLC (Duke Energy or the applicant) submitted an application for the subsequent license renewal (SLR) of Renewed Facility Operating License Nos. DPR-38, DPR-47, and DPR-55 for the Oconee Nuclear Station, Units 1, 2, and 3 (ONS) to the U.S. Nuclear Regulatory Commission (NRC), pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants."

By letter dated July 22, 2021 (ADAMS Accession No. ML21194A231), the NRC concluded that the application was acceptable for docketing and included the staff's projected review schedule for the ONS subsequent license renewal application (Enclosure 1). The purpose of this letter is to inform you of changes in the schedule for the ONS subsequent license renewal application.

For the safety review, the scheduled due dates for "Issue Safety Evaluation Report" and "Advisory Committee on Reactor Safeguards Full Committee Meeting" will be revised. Specifically, the "Issue Safety Evaluation Report" milestone will be revised from August 2022 to December 2022, and "Advisory Committee on Reactor Safeguards Full Committee Meeting" milestone will be revised from October 2022 to February 2023. These schedule changes result from the quantity and complexity of the outstanding technical issues related to the safety review that still remain unresolved.

Specifically, there are outstanding issues in the following technical areas:

- Irradiation Structural

- Pressurized Water Reactor Vessel Internals
- Containment Liner Plate, Metal Containments, and Penetrations
- Secondary Shield Wall Tendon Surveillance
- Bolting Integrity
- Flow Accelerated Corrosion
- Steam Generators
- Fire Water System

To gain resolution on the outstanding issues, the staff have issued and continue to issue requests for additional information (RAIs). As stated in the NRC staff's letter dated July 22, 2021, the staff's review schedule relies on your responses to the staff's RAIs being of high quality and provided in a timely manner. A timely response is defined as 30 days from the date of the request, or within such other time as may be specified in the request in accordance with 10 CFR 2.108, "Denial of application for failure to supply information."

Application version control concerns and unexpected NRC staff constraints also contributed to the need for this delay.

In the NRC staff's letter dated July 22, 2021, the staff estimated that the review of the ONS SLRA will take approximately 23,000 hours to complete. The NRC staff does not expect additional hours will be required as a result of the revised "Issue Safety Evaluation Report" and "Advisory Committee on Reactor Safeguards Full Committee Meeting" milestones.

Enclosure 2 of this letter highlights the staff's revised projected review schedule for the ONS SLRA. The NRC staff will strive to meet the milestones ahead of the revised schedule whenever feasible.

If you have any questions related to this review schedule, please contact Angela Wu at Angela.Wu@nrc.gov.

Sincerely,



Thomson, Bernie signing on behalf
of Smith, Brian
on 04/11/22

Brian W. Smith, Director
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

Enclosures:

1. Review Schedule from NRC Letter
dated July 22, 2021
2. Revised Review Schedule

cc w/encl: Listserv

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FOR THE SUBSEQUENT LICENSE RENEWAL APPLICATION REVIEW
DATE: APRIL 11, 2022

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Paul.Guill@duke-energy.comReene.Gambrell@duke-energy.comArun.Kapur@duke-energy.com**ADAMS Accession No: ML22094A190**

OFFICE	NRR/DNRL/NLRP/PM	NRR/DNRL/NLRP/LA	OGC (NLO)
NAME	AWu	YEdmonds	MWoods
DATE	04/04/2022	04/05/2022	04/06/2022
OFFICE	NRR/DNRL/NLRP/BC	NRR/DNRL	
NAME	LGibson	BSmith: BThomson for	
DATE	04/11/2022	04/11/2022	

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OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3

**Subsequent License Renewal Application Review Schedule
from NRC Letter dated July 22, 2021**

Milestone	Scheduled	Actual
Receive Subsequent License Renewal Application (SLRA)	6/2021	6/7/2021
Publish <i>Federal Register</i> Notice (FRN) – SLRA Availability	6/2021	6/25/2021
Publish FRN – Docketing Acceptance/Rejection and Opportunity for Hearing	7/2021	7/28/2021
Publish FRN – Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping	8/2021	8/10/2021
Public Meeting – Overview of Subsequent License Renewal Process and Environmental Scoping	9/2021	8/25/2021
Environmental Scoping Period Ends	9/2021	9/11/2021
Deadline for Filing Hearing Requests and Petitions for Intervention	9/2021	9/27/2021
Issue Draft Supplemental Environmental Impact Statement (DSEIS)	5/2022	
Public Meeting – Draft SEIS Meeting, If Needed	6/2022	
End of DSEIS Comment Period	6/2022	
Issue Safety Evaluation Report	8/2022	
Advisory Committee on Reactor Safeguards Full Committee Meeting	10/2022	
Issue Final SEIS	12/2022	
U.S. Environmental Protection Agency FRN Published – Availability of Final SEIS	12/2022	
Decision – Director, Office of Nuclear Reactor Regulation	1/2023	

OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3

Revised Subsequent License Renewal Application Review Schedule

Milestone	Scheduled	Actual
Receive Subsequent License Renewal Application (SLRA)	6/2021	6/7/2021
Publish <i>Federal Register</i> Notice (FRN) – SLRA Availability	6/2021	6/25/2021
Publish FRN – Docketing Acceptance/Rejection and Opportunity for Hearing	7/2021	7/28/2021
Publish FRN – Notice of Intent to Prepare an Environmental Impact Statement and Conduct Scoping	8/2021	8/10/2021
Public Meeting – Overview of Subsequent License Renewal Process and Environmental Scoping	9/2021	8/25/2021
Environmental Scoping Period Ends	9/2021	9/11/2021
Deadline for Filing Hearing Requests and Petitions for Intervention	9/2021	9/27/2021
Issue Draft Supplemental Environmental Impact Statement (DSEIS)	TBD*	
Public Meeting – Draft SEIS Meeting, If Needed	TBD*	
End of DSEIS Comment Period	TBD*	
Issue Safety Evaluation Report	12/2022	
Advisory Committee on Reactor Safeguards Full Committee Meeting	2/2023	
Issue Final SEIS	TBD*	
U.S. Environmental Protection Agency FRN Published – Availability of Final SEIS	TBD*	
Decision – Director, Office of Nuclear Reactor Regulation	TBD*	

*Per Commission Order CLI-22-03 (ADAMS Accession No. ML22055A521), “Staff Requirements – SECY-21-0066, “Rulemaking Plan for Renewing Nuclear Power Plant Operating Licenses – Environmental Review” (ADAMS Accession No. ML22053A308), and “Staff Requirements – SECY-22-0024 – Rulemaking Plan For Renewing Nuclear Power Plant Operating Licenses – Environmental Review” (ADAMS Accession No. ML22096A035).