



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

January 19, 2024

LICENSEE: Constellation Energy Generation, LLC

FACILITY: Byron, Unit 2

SUBJECT: SUMMARY OF AUGUST 30, 2023, PRESUBMITTAL MEETING BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND CONSTELLATION ENERGY GENERATION, LLC, REGARDING RELAXATION OF INSPECTION REQUIREMENTS FOR THE HEAD PENETRATION P-75 FLAW (EPID L-2023-LRM-0054)

On August 30, 2023, an observation public meeting was held between the staff of the U.S. Nuclear Regulatory Commission (NRC) and representatives of Constellation Energy Generation, LLC (Constellation), via webinar. The purpose for this meeting was for Constellation to brief the NRC staff on a future request to relax inspection requirements for the head penetration P-75 flaw.

The meeting notice and agenda were published on the NRC's public web page on August 11, 2023 (Agencywide Documents Access Management System (ADAMS) Accession No. ML23241A046). The licensee-furnished presentation materials are located at ML23229A172.

A list of meeting attendees/affiliations is provided as an Enclosure to this meeting summary.

Summary

Constellation stated that on April 23, 2022, during the Byron Station, Unit No. 2, spring 2022 (B2R23) refueling outage, postpeening N+4 follow-up volumetric examinations of the reactor vessel head penetrations identified a recordable indication that did not meet the applicable acceptance on core exit thermocouple (CETC) Penetration No. 75 (P-75). This indication was found within the required examination area in accordance with the American Society of Mechanical Engineers (ASME) Code Case N-729-6. No indications were identified on the rest of the penetrations, and the extent of condition was limited to P-75.

Constellation performed a fatigue and primary water stress corrosion cracking (PWSCC) flaw growth evaluation that showed an acceptable period of operation of 15.3 effective full power years (EFPY). This result provides technical justification to revert the reexamination requirement of P-75 from every other refueling outage back to the reexamination requirements of once every inspection interval (about every 10 years or about 10 EFPY) like the rest of the penetrations. As such, Constellation will be requesting relief to perform the postpeening volumetric examinations of P-75 like the rest of the penetrations.

The NRC staff asked clarifying questions regarding the proposed application and Constellation provided clarifications.

There were no final determinations or regulatory decisions made by the NRC staff during the meeting.

Public Participation

No members of the public responded to the NRC staff's request for comments or questions and no meeting feedback forms were received.

Please direct any inquiries to me at 301-415-6606 or by email at Joel.Wiebe@nrc.gov.

/RA/

Joel S. Wiebe, Senior Project Manager
Plant Licensing Branch III
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-455

Enclosure:
List of Attendees

cc w/encl: Listserv

LIST OF ATTENDEES/AFFILIATION/ORGANIZATION

SUMMARY OF AUGUST 30, 2023, PRESUBMITTAL MEETING

BETWEEN THE NRC AND CONSTELLATION ENERGY GENERATION, LLC

<u>ATTENDEES (13)</u>	<u>AFFILIATION/ORGANIZATION</u>
Jeff Whited	Nuclear Regulatory Commission (NRC)
Joel Wiebe	NRC
Jay Collins	NRC
Kevin Lueshen	Constellation Energy Generation, LLC (Constellation)
Lisa Zurawski	Constellation
Osvaldo Cruz	Constellation
Joseph Buchanan	Constellation
Romit Patel	Constellation
Brian Seawright	Constellation
Kemper Young	Constellation
Jacky Shoulders	Constellation
Gabriel Chavez	Constellation
Jana Bergman	Curtiss-Wright

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- RidsNrrPMByron Resource
- PChandrathil, RGN III

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NRC-001

OFFICE	NRR/DORL/LPL3/PM	NRR/DORL/LPL3/LA	NRR/DORL/LPL3/BC	NRR/DORL/LPL3/PM
NAME	JWiebe	SRohrer	JWhited	JWiebe
DATE	1/19/2024	1/18/2024	1/19/2024	1/19/2024

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