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

May 28, 2025

Roger Hill, Chief
Tonawanda Band of Seneca
7027 Meadville Road
Basom, NY 14013

SUBJECT: NOTICE OF AVAILABILITY OF GENERIC ENVIRONMENTAL IMPACT STATEMENT FOR LICENSE RENEWAL OF NUCLEAR PLANTS, SUPPLEMENT 10, SECOND RENEWAL, REGARDING SUBSEQUENT LICENSE RENEWAL FOR PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3, SUPPLEMENT 1, DRAFT REPORT FOR COMMENT (DOCKET NUMBERS: 50-277 AND 50-278)

Dear Chief Roger Hill:

The U.S. Nuclear Regulatory Commission (NRC) staff is conducting a review of the environmental effects of the proposed renewal of the operating licenses for Peach Bottom Atomic Power Station Units 2 and 3 (Peach Bottom) for an additional 20 years. Peach Bottom is operated by Constellation Energy Generation, LLC, formerly Exelon Generating Company, LLC (Exelon), and is located in York County, Pennsylvania. Exelon submitted an application for Peach Bottom subsequent license renewal (SLR) by letter dated July 10, 2018, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." The application is available through the NRC's Agencywide Documents Access and Management System (ADAMS), which is accessible online at https://www.nrc.gov/reading-rm/adams.html, under Package Accession No. ML18193A689.

On January 31, 2020, a notice was published in the *Federal Register* (*FR*) (85 *FR* 5725), stating that the NRC staff had issued its final supplemental environmental impact statement (SEIS) documenting its analysis and conclusions. Tribes with which the NRC is consulting also received a notice of availability (ML20024F500) by mail dated January 27, 2020. A notice of issuance of the subsequent renewed facility operating licenses was published in the *FR* on March 11, 2020 (85 *FR* 14247). Subsequently, the Commission directed the staff to modify the license expiration dates to reflect the end dates of the previous renewed facility operating licenses (i.e., August 8, 2033, for Peach Bottom, Unit 2 and July 2, 2034, for Peach Bottom, Unit 3), which the staff did on March 25, 2022 (ML22073A207). The Commission separately directed the NRC staff to conduct rulemaking and update Revision 1 to NUREG-1437, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants" (2013 LR GEIS), to cover the environmental impacts of renewing the operating license of a nuclear power plant during the SLR term.

On August 6, 2024, the NRC published a final rule (89 *FR* 64166) revising its environmental protection regulations in 10 CFR 51, "Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions." The final rule updated the potential environmental impacts associated with the renewal of an operating license for a nuclear power plant for up to an additional 20 years, for either an initial license renewal or one SLR term. Revision 2 of NUREG–1437, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants'' (ML24087A133) provides the technical basis for the final rule. The final rule became effective on September 5, 2024. Accordingly, consistent with its regulations and Commission direction, the NRC staff has prepared a draft supplement for the Peach Bottom SLR application to address new information obtained since the final SEIS was published.

In accordance with Title 36 of the *Code of Federal Regulations* (36 CFR) Section 800.8(c), the NRC is complying with Section 106 of the National Historic Preservation Act of 1966, as amended, through the National Environmental Policy Act of 1969, as amended, process. The NRC has determined that the area of potential effects for this SLR action is the Peach Bottom power plant site and its immediate environs that may be impacted by ongoing routine maintenance and operational activities during the SLR term.

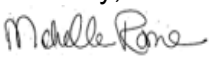
As discussed in the draft supplement, the NRC staff's preliminary determination is that SLR would have no adverse effect to historic properties. Further, the NRC's preliminary recommendation is that the adverse environmental impacts of SLR for Peach Bottom are not so great that preserving the option of license renewal for energy-planning decision-makers would be unreasonable. The draft supplement is available through ADAMS, which is accessible online at https://www.nrc.gov/reading-rm/adams.html under Accession No. ML25111A147. Please let us know if you would prefer a hard copy.

Pursuant to 36 CFR 800.8(c), we are requesting your comments on the draft supplement and on the NRC staff's preliminary determination and recommendation within 30 days. Electronic comments may be submitted to the NRC by accessing https://www.regulations.gov and searching for Docket ID NRC-2024-0214 or by emailing PeachBottom-SLRSEISS1@nrc.gov. Written comments should be submitted by mail to the NRC at:

ATTN: Program Management, Announcements
and Editing Staff
Office of Administration
Mail Stop: TWFN-7A60M
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

If you have any questions concerning the NRC's SLR environmental review, please contact Beau Goldstein, Staff Archaeologist, by phone at 301-415-1765 or via email at Beau.Goldstein@nrc.gov or Kevin Folk, Senior Environmental Project Manager, by phone at 301-415-6944 or via email at Kevin.Folk@nrc.gov.

Sincerely,



Signed by Rome, Michelle
on 05/28/25

Michelle Rome, Chief
Environmental Technical Review Branch 1
Division of Rulemaking, Environmental,
and Financial Support,
Office of Nuclear Material Safety
and Safeguards

Docket Nos. 50-277 and 50-278

cc:
Listserv

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