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Appendix B

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Nine Mile Point Nuclear Station, Unit 2
Renewed Facility Operating License No. NPF-69
Docket No. 50-410

Subject: 2021 Annual Environmental Operating Report

In accordance with Appendix B, Environmental Protection Plan, of the Renewed Facility Operating License No. NPF-69 for Nine Mile Point Nuclear Station, Unit 2, attached is the 2021 Annual Environmental Operating Report for the period of January 1, 2021 through December 31, 2021.

This submittal does not contain any new regulatory commitments.

Should you have questions regarding the information in this submittal, please contact Brandon Shultz, Site Regulatory Assurance Manager, at (315) 349-7012.

Sincerely,

Peter M. Orphanos
Site Vice President, Nine Mile Point Nuclear Station
Exelon Generation Company, LLC

TE25
NRB

PMO/LAR

Enclosure: Nine Mile Point Nuclear Station, Unit 2
2021 Annual Environmental Operating Report

cc: NRC Regional Administrator, Region I
NRC Project Manager
NRC Resident Inspector

ML22116A019

ATTACHMENT

NMPNS UNIT 2 2021 ANNUAL ENVIRONMENTAL OPERATING REPORT

Subsection 5.4.1 of the Environmental Protection Plan (EPP), as contained in Appendix B of the Renewed Operating License for the Nine Mile Point Nuclear Station Unit 2, requires that an Annual Environmental Operating Report be submitted to the Commission prior to May 1 of each year. The following addresses the requirements found in Subsection 5.4.1 of the EPP for the submittal of the Annual Environmental Operating Report:

- 1. Provide summaries and analyses of the results of the environmental protection activities required by Subsection 4.2 (if any) of the EPP for the report period, including a comparison with related preoperational studies, operational controls (as appropriate), and previous non-radiological environmental monitoring reports, and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of trends towards irreversible damage to the environment are observed, a detailed analysis of the data and a proposed course of mitigating action shall be provided.*

Subsection 4.2 of the EPP denotes three areas of environmental monitoring:

- Subsection 4.2.1 (Aquatic Monitoring) has no specific monitoring requirements although it is noted that the Commission will rely on the decisions made by the State of New York under the authority of the Clean Water Act (CWA) for any requirements. Aquatic monitoring is specified in the station's State Pollutant Discharge Elimination System Permit (SPDES Permit) which is a site permit applicable to Nine Mile Point Nuclear Station Unit 1 and Unit 2. The SPDES Permit requires a limited Aquatic Monitoring Program (referred to in the permit as Biological Monitoring Requirements) which, at the present time, is only applicable to Unit 1. Unit 2 is in compliance with the CWA. Therefore, no Aquatic Monitoring Program is presently required for Unit 2.
- Subsection 4.2.2 (Terrestrial Monitoring) does not contain any monitoring requirements.
- Subsection 4.2.3 (Noise Monitoring) does not contain any monitoring requirements.

- 2. Provide a list of EPP non-compliances and corrective actions taken to remedy them.*

A review of the EPP requirements and plant records showed that there were no non-compliances with the EPP requirements during 2021.

- 3. Provide a list of all changes in station design or operation, tests, and experiments made in accordance with EPP Subsection 3.1 which involved a potentially significant unreviewed environmental question (non-radiological).*

A review of plant records, including environmental evaluations, showed that there were no changes in station design/operation, tests, or experiments during 2021 that could have involved a potentially significant unreviewed environmental question (non-radiological).

4. *List all non-routine reports submitted in accordance with Subsection 5.4.2 of the EPP.*

During 2021, there were no non-routine reports submitted to the Commission in accordance with Subsection 5.4.2 of the EPP.