

NMP2L2811  
May 13, 2022

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: Fourth Inservice Inspection Interval, Second Inservice Inspection Period  
2022 Owner's Activity Report for RFO-18 Inservice Examinations

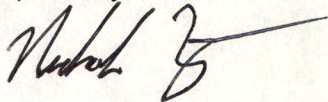
Pursuant to 10 CFR 50.55a, Nine Mile Point Nuclear Station, LLC (NMPNS) hereby submits the attached Fourth Inservice Inspection Interval, Second Inservice Inspection Period, 2022 Owner's Activity Report for RFO-18 Inservice Examinations, for Nine Mile Point Unit 2 (NMP2).

This activity report meets the requirements of the American Society of Mechanical Engineers (ASME), Code Case N-532-5, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000, Section XI, Division 1," as approved for use by Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1."

There are no regulatory commitments contained in this letter.

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

Respectfully,



Nicholas A. Tryt  
Engineering Director, Nine Mile Point Nuclear Station  
Constellation Energy Generation, LLC

A047  
NRR

NAT/JRA

Attachment: Fourth Inservice Inspection Interval, Second Inservice Inspection Period  
2022 Owner's Activity Report for RFO-18 Inservice Examinations

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



bcc: P. M. Orphanos  
A. D. Sterio  
B. K. Shultz  
N. A. Tryt  
P. D. Logar Jr  
B. Zhang



**FOURTH INSERVICE INSPECTION INTERVAL  
SECOND INSERVICE INSPECTION PERIOD**

**2022 OWNER'S ACTIVITY REPORT FOR  
RFO18 INSERVICE EXAMINATIONS**

Prepared For

**Nine Mile Point Nuclear Station Unit 2**

**P.O. Box 63, Lake Road**


**Lycoming, New York 13093**

Commercial Service Date: April 5, 1988  
NRC Docket Number: 50-410  
Document Number: NMP2-OAR-005-022  
Revision Number: 00 Date: April 29, 2022

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Peter Logar – Manager Site Engineering Programs

 <b>Exelon Generation.</b>	Nine Mile Point Nuclear Station Unit 2	NMP2-OAR-005-022
	<b>FOURTH INSERVICE INSPECTION INTERVAL 2022 OWNER'S ACTIVITY REPORT FOR INSERVICE EXAMINATIONS</b>	Rev. 00 Date: April 29, 2022 Page 2 of 8


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 <b>Exelon Generation</b>	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-005-022</b>
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RECORD OF REVISION			
REVISION No.	DATE	AFFECTED PAGES	REASON FOR REVISION
00	April 29, 2022	Entire Document	Initial issue of Owner's Activity Report for ASME Section XI Inservice Inspection, Containment Inservice Examinations, and Pressure Tests and Alternate Risk-Informed Inspection in accordance with the requirements of ASME Code Case N-532-5.

 <b>Exelon Generation</b>	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-005-022</b>
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## ABSTRACT

ASME Section XI Code Case N-532-5 requires submission of the Owner's Activity Report to the regulatory and enforcement authorities having jurisdiction at the plant site within 90 calendar days of the completion of each refueling outage.

This Owner's Activity Report summarizes the results of the Nine Mile Point Nuclear Station (NMPNS), Unit 2, American Society of Mechanical Engineers (ASME) Section XI In-service Inspection, Risk-Informed Inspection, Containment In-service Examinations, and Pressure Tests performed since the last report dated April 3<sup>rd</sup> 2020 through Refueling Outage Eighteen (RFO18) ending March 27<sup>th</sup> 2022. RFO18 is the first refueling outage scheduled during the second In-service Inspection Period that started on August 23, 2021 and is scheduled to end on August 22, 2025.

The attached Table 1 and 2 include flaws and conditions (those meeting the requirements of Code Case N-532-5) identified since the last Owner's Activity Report following Refueling Outage RFO-17 (Document Number NMP2-OAR-004-020).

Attachment 1 documents items that did not fully comply with requirements of IWA-4000 or could not be reviewed to confirm compliance with applicable Code requirements. These items have been entered into the site corrective action program, as noted herein.

As an alternate to the requirements of the ASME, Boiler and Pressure Vessel Code (B&PVC), Section XI, Article IWA-6000, NMPNS is implementing ASME Code Case N-532-5, Alternative Requirements to Repair and Replacement Documentation Requirements and In-service Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000, Section XI, Division 1. ASME Code Case N-532-5 is currently approved for use in Regulatory Guide 1.147, Revision 20, Table 1.

## OWNER'S ACTIVITY REPORT - FORM OAR-1

The Owner's Activity Report Form OAR-1 was prepared and certified upon completion of the Nine Mile Point Unit 2, 2022 refueling outage (RFO18) examination activity in accordance with the following NMPNS inspection plans and schedules:

- ER-NM-330-2001, ISI Program Plan, Fourth Ten-Year Inspection Interval (includes the Alternate Risk-Informed Inspection Program, Containment Inservice Inspection Program, and Inservice Pressure Testing Program)
- ER-NM-330-2003, ISI Selection Document, Fourth Ten-Year Inspection Interval (includes schedules for items selected for examination)


In addition to the Owner's Activity Report, Form OAR-1, the following Tables are also included:

- a. **Items with Flaws or Relevant Conditions that Require Evaluation for Continued Service, Table 1**, provides a listing of item(s) with flaws or relevant conditions that required evaluation to determine acceptability for continued service, whether or not the flaw or relevant condition was discovered during a scheduled examination or test, and provides such information as Examination Category, Examination Item Number, Item Description, Flaw Characterization (as required by IWA-3300).
- b. **Abstract of Repairs, Replacements or Corrective Measures Required for Continued Service, Table 2**, identifies those items containing flaws or relevant conditions that exceeded Division 1 acceptance criteria. This information is required even if the discovery of the flaw or relevant condition that necessitated the repair/replacement activity did not result from an examination or test required by Division 1. If the acceptance criterion for a particular item is not specified in Division 1, the provisions of IWA-3100(b) shall be used to determine which repair/replacement activities are required to be included in the abstract.

### FORM OAR-1

#### OWNER'S ACTIVITY REPORT

As required by the provisions of the ASME Code Case N-532-5

 <b>Exelon Generation</b>	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-005-022</b>
	<b>FOURTH INSERVICE INSPECTION INTERVAL</b> <b>2022 OWNER'S ACTIVITY REPORT FOR INSERVICE EXAMINATIONS</b>	<b>Rev. 00</b> <b>Date: April 29, 2022</b> <b>Page 5 of 8</b>

Report Number: NMP2-OAR-005-022

Plant Nine Mile Point Nuclear Station, P. O. Box 63, Lycoming, New York 13093  
(Name and Address of Plant)

Plant Unit 2 Commercial Service Date April 5, 1988 Refueling Outage Number RFO18

Current Inspection Interval 4th Inservice Inspection Interval October 6, 2018 to August 22, 2028  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period Second In-service Inspection Period August 23, 2021 to August 22, 2025  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plans 2013 Edition

Date and Revision of Inspection Plans ER-NM-330-2001, Revision 3.01, December 16, 2021


Edition and Addenda of ASME Section XI applicable to Repair/Replacement activities, if different than the Inspection Plan  
N/A (same Code Edition/Addenda)  
(if applicable)

Code Cases used for inspection and evaluation: N-532-5.

CERTIFICATE OF CONFORMANCE		
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of <u>RFO18</u> conform to the requirements of Section XI. (refueling outage number)		
Signed <u>Bryan Zhang</u> (Owner's Designee)	<b>Zhang, Bryan</b> Digitally signed by Zhang, Bryan Date: 2022.05.10 16:09:12 -04'00'	Date <u>5-2-2022</u>

CERTIFICATE OF INSERVICE INSPECTION		
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>NY</u> and employed by <u>The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT</u> have inspected the items described in this Owner's Activity Report and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.		
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.		
<b>Powers,</b> Inspector's Signature <b>Brandon</b> Date	Digitally signed by Powers, Date: 2022.05.11 13:50:51 -04'00'	Commissions <u>ANIR 16158 NY 5570</u> National Board, State, Province, and Endorsements




 <b>Exelon Generation</b>	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-005-022</b>
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**TABLE 1**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**


As required by the provisions of the ASME Code Case N-532-5

EXAMINATION CATEGORY	ITEM NUMBER	ITEM DESCRIPTION	EVALUATION DESCRIPTION
F-A	F1.10	Constant Spring ID #2SLS-PSSH113A1	Per NDE Report #2R18-ISI-VT-026 and AR# 04483529, NDE technicians performed a VT-3 examination of support 2SLS-PSSH113A1 (Constant Spring) in accordance with the Inservice inspection (ISI) program and work order C93762590-245. The NDE technicians identified that the hanger rod appears to be bent throughout the length of the rod. An evaluation concluded that the support is functional and suitable for continued service in the as-found condition.
F-A	F1.10	Constant Spring ID # 2FWS-PSSH233A1	Per NDE Report #2R18-ISI-VT-094 and AR# 04484764, during the VT-3 examination of spring hanger 2FWS-PSSH233A1, it was noted that the cold setting of the hanger was outside of the acceptable settings. An evaluation determined that the current setting is within the operable range of the spring hanger.

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**TABLE 2**  
**ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE**  
 As required by the provisions of the ASME Code Case N-532-5

CODE CLASS	ITEM DESCRIPTION	DESCRIPTION OF WORK	DATE COMPLETED	REPAIR/REPLACEMENT PLAN NUMBER
None				

 <b>Exelon Generation</b>	<b>Nine Mile Point Nuclear Station Unit 2</b>	<b>NMP2-OAR-005-022</b>
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**END OF INSERVICE INSPECTION**

**OWNER'S ACTIVITY REPORT**

**FOR**

**REFUELING OUTAGE EIGHTEEN (RFO-18)**