



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION I  
2100 RENAISSANCE BLVD., SUITE 100  
KING OF PRUSSIA, PA 19406-2713

March 1, 2017

Mr. Bryan C. Hanson  
Senior Vice President, Exelon Generation Company, LLC  
President and Chief Nuclear Officer, Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR NINE MILE POINT NUCLEAR STATION,  
UNITS 1 AND 2 (REPORT 05000220/2016006 AND 05000410/2016006)**

Dear Mr. Hanson:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Nine Mile Point Nuclear Station, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2016 through December 31, 2016. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Nine Mile Point Nuclear Station, Units 1 and 2, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2018. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

In addition to regular baseline inspections, the NRC will also be performing Inspection Procedure 60855.1, "Operation of an ISFSI at Operating Plants," and Temporary Instruction 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans," at your facility.

B. Hanson

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In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 610-337-6953 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Anthony Dimitriadis, Chief  
Projects Branch 1  
Division of Reactor Projects

Docket Nos. 50-220 and 50-410  
License Nos. DPR-63 and NPF-69

Enclosure:  
Nine Mile Point Nuclear Station  
Inspection/Activity Plan

B. Hanson

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SUBJECT: ANNUAL ASSESSMENT LETTTER FOR NINE MILE POINT NUCLEAR STATION, UNITS 1 AND 2 (REPORT 05000220/2016006 AND 05000410/2016006) DATED MARCH 1, 2017

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-17 EOC Review\Branch 1\Nine Mile Point\Nine Mile Point 2016 Annual Assessment Letter.docx

ADAMS ACCESSION NUMBER: ML17059C091

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OFFICE	RI/DRP	RI/DRP			
NAME	ARosebrook	ADimitriadis			
DATE	2/27/17	2/24/17			

OFFICIAL RECORD COPY

**Nine Mile Point**  
**Inspection / Activity Plan**  
**01/01/2017 - 12/31/2018**

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>2/6EXAM - NINE MILE POINT 1 INITIAL OL EXAM</b>		<b>4</b>
1	01/03/2017	01/06/2017	U01941	FY17-NMP 1 INITIAL OPERATOR LICENSING EXAM	
1	02/06/2017	02/10/2017	U01941	FY17-NMP 1 INITIAL OPERATOR LICENSING EXAM	
			<b>7111108G - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	03/27/2017	03/31/2017	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>RS123 - HP INSPECTION</b>		<b>2</b>
1,2	03/27/2017	03/31/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/27/2017	03/31/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/27/2017	03/31/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	03/27/2017	03/31/2017	IP 71124.04	Occupational Dose Assessment	
			<b>RS7 - REMP/PI</b>		<b>2</b>
1,2	06/05/2017	06/09/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1	06/05/2017	06/09/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>ISFSI - ISFSI LOADING CAMPAIGN INSPECTION</b>		<b>1</b>
1,2	06/19/2017	06/23/2017	IP 60855	Operation Of An ISFSI	
1,2	06/19/2017	06/23/2017	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>10/23EXM - NMP2 INITIAL EXAM</b>		<b>4</b>
2	10/23/2017	10/27/2017	U01955	FY 18 NINE MILE PT 2 EXAM (OCTOBER 2017)	
2	12/11/2017	12/15/2017	U01955	FY 18 NINE MILE PT 2 EXAM (OCTOBER 2017)	
			<b>RS345 - HP INSPECTION</b>		<b>2</b>
1,2	07/24/2017	07/28/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	07/24/2017	07/28/2017	IP 71124.04	Occupational Dose Assessment	
1,2	07/24/2017	07/28/2017	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>TI-191 - FUKUSHIMA LESSONS-LEARNED</b>		<b>3</b>
1,2	08/21/2017	08/25/2017	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			<b>7111111B - NMP2 REQUAL INSPECTION WITH P/F RESULTS</b>		<b>2</b>
2	10/16/2017	10/20/2017	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
2	10/16/2017	10/20/2017	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP - EP EXERCISE INSPECTION</b>		<b>4</b>
1,2	10/23/2017	10/27/2017	IP 7111401	Exercise Evaluation	
1,2	10/23/2017	10/27/2017	IP 71151	Performance Indicator Verification	
			<b>7111121M - DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>		<b>7</b>
1,2	09/18/2017	09/22/2017	IP 7111121M	Component Design Bases Inspection (Teams)	
1,2	10/02/2017	10/06/2017	IP 7111121M	Component Design Bases Inspection (Teams)	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Nine Mile Point**  
**Inspection / Activity Plan**  
**01/01/2017 - 12/31/2018**

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>RS12 - HP INSPECTION</b>		<b>2</b>
1,2	09/18/2017	09/22/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	09/18/2017	09/22/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/18/2017	09/22/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			<b>71152B - PI&amp;R BIENNIAL</b>		<b>8</b>
1,2	10/30/2017	11/03/2017	IP 71152B	Problem Identification and Resolution	
1,2	11/13/2017	11/17/2017	IP 71152B	Problem Identification and Resolution	
			<b>71124 - RAD SAFETY INSP</b>		<b>1</b>
1,2	03/05/2018	03/09/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	03/05/2018	03/09/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>71124 - RAD SAFETY INSP</b>		<b>1</b>
1,2	04/30/2018	05/04/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/30/2018	05/04/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/30/2018	05/04/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	04/30/2018	05/04/2018	IP 71124.04	Occupational Dose Assessment	
			<b>U2 ISI - UNIT 2 INSERVICE INSPECTION</b>		<b>2</b>
2	04/23/2018	04/27/2018	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>12/18EXM - DECEMBER 2018 NMP1 EXAM (FY19)</b>		<b>4</b>
1	11/04/2018	11/09/2018	U01975	FY19 NINE MILE PT 1 EXAM (DECEMBER 2018)	
1	12/03/2018	12/07/2018	U01975	FY19 NINE MILE PT 1 EXAM (DECEMBER 2018)	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>1</b>
1,2	07/16/2018	07/20/2018	IP 7111402	Alert and Notification System Testing	
1,2	07/16/2018	07/20/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	07/16/2018	07/20/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	07/16/2018	07/20/2018	IP 71151	Performance Indicator Verification	
			<b>71124.08 - RADWASTE</b>		<b>1</b>
1,2	07/23/2018	07/27/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>71124.05 - RAD INSTRUMENTATION</b>		<b>1</b>
1,2	08/06/2018	08/10/2018	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>REQUAL - NMP1 REQUAL INSP W/ P/F RESULTS</b>		<b>2</b>
1	10/29/2018	11/02/2018	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
1	10/29/2018	11/02/2018	IP 7111111B	Licensed Operator Requalification Program	
			<b>7111105T - TRIENNIAL FIRE PROTECTION</b>		<b>7</b>
1	09/10/2018	09/14/2018	IP 7111105T	Fire Protection [Triennial]	

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**Nine Mile Point**  
**Inspection / Activity Plan**  
**01/01/2017 - 12/31/2018**

Unit Number	Planned Dates Start      End	Inspection Activity	Title	No. of Staff on Site
<b>7111105T - TRIENNIAL FIRE PROTECTION</b>				<b>7</b>
2	09/10/2018    09/14/2018	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1	09/24/2018    09/28/2018	IP 7111105T	Fire Protection [Triennial]	
2	09/24/2018    09/28/2018	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
<b>71124 - RAD SAFETY INSPECTION</b>				<b>1</b>
1,2	10/15/2018    10/19/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	10/15/2018    10/19/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	10/15/2018    10/19/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	10/15/2018    10/19/2018	IP 71124.04	Occupational Dose Assessment	

