



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 2, 2016

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 05000220/2015006 AND
05000410/2015006)**

Dear Mr. Hanson:

On February 11, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Nine Mile Point Nuclear Station, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2015, through December 31, 2015. 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 determined that overall, Nine Mile Point Nuclear Station, Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. 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 of the NRC's Reactor Oversight Process Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green).

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC will perform Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," and Temporary Instruction (TI) 2515-191, "Inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communications/Staffing/Multi-Unit Dose Assessment Plans." The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. 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 security-related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain

guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." This Order requires licensees to have a reliable means of remotely monitoring wide-range spent fuel pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. The audit was completed for Nine Mile Point Nuclear Station, Units 1 and 2, and the information gathered will aid staff in development of the Final Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing TI 2515-191, "Inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communications/Staffing/Multi-Unit Dose Assessment Plans."

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 component of NRC's Agencywide Documents Access and Management 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
Reactor 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 Inspection/Activity Plan

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B. Hanson

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-16 EOC Review\Branch 1\Nine Mile Point\2015 Nine Mile Point Annual Asmt Ltr.docx
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NAME	ARosebrook/AAR	ADimitriadis/AD			
DATE	02/23/2016	02/23/2016			

Nine Mile Point
Inspection / Activity Plan
01/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
RS1234PI - HP INSPECTION					1
1, 2	04/24/2016	04/29/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/24/2016	04/29/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	04/24/2016	04/29/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/24/2016	04/29/2016	IP 71124.04	Occupational Dose Assessment	
ISI - U2 INSERVICE INSPECTION					1
2	04/25/2016	04/29/2016	IP 7111108G	Inservice Inspection Activities - BWR	
EP - EP PROGRAM INSPECTION					1
1, 2	07/11/2016	07/15/2016	IP 7111402	Alert and Notification System Testing	
1, 2	07/11/2016	07/15/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	07/11/2016	07/15/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
RS125 - HP INSPECTION					1
1, 2	07/18/2016	07/22/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	07/18/2016	07/22/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	07/18/2016	07/22/2016	IP 71124.05	Radiation Monitoring Instrumentation	
71124.08 - RADWASTE					1
1, 2	07/25/2016	07/29/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
7111107T - TRIENNIAL HEAT SINK					1
1, 2	08/15/2016	08/19/2016	IP 7111107T	Heat Sink Performance	
RS56PI - EFFLUENTS AND PUBLIC PI					1
1, 2	08/22/2016	08/26/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	08/22/2016	08/26/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	08/22/2016	08/26/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
2/6EXAM - NINE MILE POINT 1 INITIAL EXAM					4
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	
7111117T - PERMANENT PLANT MODIFICATIONS					4
1, 2	09/12/2016	09/16/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1, 2	09/26/2016	09/30/2016	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
7111111B - NMP1 REQUAL INSP WITH P/F RESULTS					2
1	10/24/2016	10/28/2016	IP 7111111B	Licensed Operator Requalification Program	
RS1234 - HP INSPECTION					1
1, 2	09/19/2016	09/23/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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

Enclosure

Nine Mile Point
Inspection / Activity Plan
01/01/2016 - 12/31/2017

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	Start	End			
			RS1234 - HP INSPECTION		1
1, 2	09/19/2016	09/23/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	09/19/2016	09/23/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/19/2016	09/23/2016	IP 71124.04	Occupational Dose Assessment	
1	09/19/2016	09/23/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			TI-191 - FUKUSHIMA LESSONS-LEARNED		1
1, 2	02/27/2017	03/03/2017	IP 2515/191	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
			7111108G - U1 INSERVICE INSPECTION		1
1	03/27/2017	03/31/2017	IP 7111108G	Inservice Inspection Activities - BWR	
			RS123 - HP INSPECTION		1
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	
			10/23EXM - NMP2 INITIAL EXAM (SROS)		3
2	09/25/2017	09/29/2017	U01955	FY 18 NINE MILE PT 2 EXAM (OCTOBER 2017)	
2	10/23/2017	10/27/2017	U01955	FY 18 NINE MILE PT 2 EXAM (OCTOBER 2017)	
			RS7 - REMP/PI		1
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	
			ISFSI - ISFSI LOADING CAMPAIGN INSPECTION		1
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	
			RS345 - HP INSPECTION		1
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	
			7111111B - NMP2 REQUAL INSPECTION WITH P/F RESULTS		2
2	10/16/2017	10/20/2017	IP 7111111B	Licensed Operator Requalification Program	
			EP - EP EXERCISE INSPECTION		4
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	
			RS12 - HP INSPECTION		1
1, 2	09/18/2017	09/22/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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Inspection / Activity Plan
01/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
RS12 - HP INSPECTION					1
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	
7111121 - CDBI					7
1, 2	09/18/2017	09/22/2017	IP 7111121	Component Design Bases Inspection	
1, 2	10/02/2017	10/06/2017	IP 7111121	Component Design Bases Inspection	
1, 2	10/16/2017	10/20/2017	IP 7111121	Component Design Bases Inspection	
71152B - PI&R BIENNIAL TEAM INSPECTION					5
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	

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