



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

August 31, 2016

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR NINE MILE POINT NUCLEAR  
STATION, UNITS 1 AND 2, REPORT 05000220/2016005 AND  
05000410/2016005**

Dear Mr. Hanson:

On August 9, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-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 July 1, 2015 through June 30, 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 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 (ROP) 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). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2018. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last half of the inspection period in the inspection plan are tentative and may be revised at the end-of-cycle performance review. 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 addition to baseline inspections, the NRC will perform Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants."

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," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." The NRC conducted audits of licensee efforts towards compliance with these Orders, and the information gathered will aid staff in

B. Hanson

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development of the ultimate Final Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing 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."

In Staff Requirements Memorandum – SECY 16-0009, "Recommendations Resulting from the Integrated Prioritization and Re-Baselining of Agency Activities," (ADAMS Accession No. ML16104A158) the Commission approved the NRC staff recommendation to discontinue the formal mid-cycle assessment process beginning in calendar year 2017. This will be the final mid-cycle assessment letter. The staff will continue to conduct assessment reviews and communicate changes in the assessment of licensee performance quarterly, and will also issue end-of-cycle assessment letters.

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, 50-410  
License Nos. DPR-63, NPF-69

Enclosure:  
Nine Mile Point Inspection Plan

cc: Distribution via ListServ

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Distribution (via email): (see next page)

DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-17 Mid-Cycle Review\Branch 1\Nine Mile Point\2016 Nine Mile Point Mid cycle Asmt Ltr Final.docx  
ADAMS ACCESSION NUMBER: **ML16242A270**

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP			
NAME	ARosebrook	ADimitriadis			
DATE	08/23/16	08/31/16			

Letter to Mr. Bryan C. Hanson from Mr. Anthony Dimitriadis dated August 31, 2016

SUBJECT: MID-CYCLE ASSESSMENT LETTTER FOR NINE MILE POINT NUCLEAR  
STATION, UNITS 1 AND 2, REPORT 05000220/2016005 AND  
05000410/2016005

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RidsNrrPMNineMilePoint Resource  
RidsNrrDorLpl1-1 Resource  
ROPReports Resource  
ROPAssessment Resource  
RidsNrrDirslpabResources

**Nine Mile Point**  
**Inspection / Activity Plan**  
**07/01/2016 - 06/30/2018**

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>EP - EP PROGRAM INSPECTION</b>		<b>1</b>
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	
			<b>71124.08 - RADWASTE</b>		<b>1</b>
1,2	07/25/2016	07/29/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>RS125 - HP INSPECTION</b>		<b>1</b>
1,2	07/25/2016	07/29/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>7111107T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1,2	08/08/2016	08/12/2016	IP 7111107T	Heat Sink Performance	
			<b>RS6PI - EFFLUENTS AND PUBLIC PI</b>		<b>1</b>
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	
			<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>7111117T - PERMANENT PLANT MODIFICATIONS</b>		<b>4</b>
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	
			<b>7111111B - NMP1 REQUAL INSP WITH P/F RESULTS</b>		<b>2</b>
1	10/24/2016	10/28/2016	IP 7111111B	Licensed Operator Requalification Program	
			<b>RS1234 - HP INSPECTION</b>		<b>1</b>
1,2	09/19/2016	09/23/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
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	
			<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	

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**  
**07/01/2016 - 06/30/2018**

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>10/23EXM - NMP2 INITIAL OL EXAM (SROS)</b>		<b>3</b>
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)	
		<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>2/12EXAM - NMP2 INITIAL EXAM</b>		<b>4</b>
2	01/12/2018 02/16/2018	U01957	FY18 NINE MILE PT 2 EXAM (FEBRUARY 2018)	
2	01/15/2018 01/19/2018	U01957	FY18 NINE MILE PT 2 EXAM (FEBRUARY 2018)	
		<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>7111111B - NMP2 REQUAL INSPECTION WITH P/F RESULTS</b>		<b>2</b>
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>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>7111121 - CDBI</b>		<b>7</b>
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	
		<b>71152B - PI&amp;R BIENNIAL</b>		<b>5</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	02/12/2018 03/16/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	

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	Start	End			
			<b>71124 - RAD SAFETY INSP</b>		<b>1</b>
1,2	02/12/2018	03/16/2018	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	

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