



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 2, 2014

Mr. Christopher Costanzo
Site Vice President
Nine Mile Point Nuclear Station
Exelon Generation Company, LLC
P.O. Box 63
Lycoming, NY 13093

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR NINE MILE POINT NUCLEAR
STATION UNITS 1 AND 2 (REPORT 05000220/2014006 AND
05000410/2014006)**

Dear Mr. Costanzo:

On August 13, 2014, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of your Nine Mile Point Nuclear Station (Nine Mile Point) Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2013 through June 30, 2014. 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 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 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 performance indicators demonstrated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct Reactor Oversight Process baseline inspections at your facility.

Nine Mile Point Unit 1 was in the Regulatory Response Column of the NRC's Reactor Oversight Process Action Matrix until the fourth quarter of 2013, due to a white performance indicator in the Initiating Events Cornerstone, "Unplanned Scrams per 7,000 Critical Hours." This performance indicator returned to green in the third quarter 2013. The NRC determined the performance at Nine Mile Point Unit 1 during the fourth quarter 2013 transitioned to be within the Licensee Response Column because all inspection findings had very low (i.e., green) safety significance, all performance indicators demonstrated that your performance was within the nominal, expected range (i.e., green), and a supplemental inspection was successfully completed for the white performance indicator on December 20, 2013, as documented in NRC Supplemental Inspection Report 05000220/2013009 and Assessment Follow-Up Letter (ML13358A079).

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. In addition to baseline inspections, the NRC will perform Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Installation (ISFSI) at Operating Plants," at Nine Mile Point in 2014. 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," which 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," which 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. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The onsite component has been scheduled for the week of November 3, 2014. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Part 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

C. Costanzo

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component of the NRC's Agencywide Document 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) 337-5262 with any questions you have regarding this letter.

Sincerely,

/RA/

Daniel L. Schroeder, Chief
Reactor Projects Branch 1
Division of Reactor Projects

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

Enclosure: Inspection Plan

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Enclosure: Inspection Plan

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Nine Mile Point
Inspection / Activity Plan
07/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - RAD HAZARD & ALARA		1
1, 2	07/21/2014	07/25/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	07/21/2014	07/25/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			ISFSI - ISFSI LOADING INSPECTION		3
1, 2	08/04/2014	08/08/2014	IP 60855	Operation Of An ISFSI	
1, 2	08/04/2014	08/08/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			71124.06 - RAD SAFETY INSPECTION (RETS)		1
1, 2	08/11/2014	08/15/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	08/11/2014	08/15/2014	IP 71151-PR01		
			7111111B - U1 REQUAL INSP WITH P/F RESULTS		2
1	10/13/2014	10/17/2014	IP 7111111B	Licensed Operator Requalification Program	
			CDBI - CDBI		12
1, 2	09/08/2014	09/12/2014	IP 7111121	Component Design Bases Inspection	
1, 2	09/22/2014	09/26/2014	IP 7111121	Component Design Bases Inspection	
1, 2	10/06/2014	10/10/2014	IP 7111121	Component Design Bases Inspection	
			71124.05 - HP INSPECTION RAD INSTRUMENTATION		1
1, 2	10/27/2014	10/31/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			3/2EXAM - U1 INITIAL OL EXAM		4
1	02/02/2015	02/06/2015	U01905	FY15-NMP1 INITIAL OPERATOR LICENSING EXAM	
1	03/02/2015	03/13/2015	U01905	FY15-NMP1 INITIAL OPERATOR LICENSING EXAM	
			7111108G - U1 INSERVICE INSPECTION		1
1	03/30/2015	04/03/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			71124 - RAD SAFETY INSPECTION		1
1, 2	03/30/2015	04/03/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/30/2015	04/03/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/30/2015	04/03/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/30/2015	04/03/2015	IP 71124.04	Occupational Dose Assessment	
1, 2	03/30/2015	04/03/2015	IP 71151	Performance Indicator Verification	
			71124 - RAD SAFETY INSP		1
1, 2	05/11/2015	05/15/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/11/2015	05/15/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	05/11/2015	05/15/2015	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.

Enclosure

Nine Mile Point
Inspection / Activity Plan
07/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
71124.07 - RAD SAFETY INSPECTION					1
1, 2	06/01/2015	06/05/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	06/01/2015	06/05/2015	IP 71151	Performance Indicator Verification	
TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION					4
1, 2	06/22/2015	06/26/2015	IP 7111105T	Fire Protection [Triennial]	
1, 2	07/06/2015	07/10/2015	IP 7111105T	Fire Protection [Triennial]	
11/30EXM - U2 INITIAL OL EXAM					4
2	11/02/2015	11/06/2015	U01920	FY16-NMP2 INITIAL OPERATOR LICENSING EXAM	
2	11/30/2015	12/04/2015	U01920	FY16-NMP2 INITIAL OPERATOR LICENSING EXAM	
71124 - RAD SAFETY INSPECTION					1
1, 2	08/03/2015	08/07/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	08/03/2015	08/07/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	08/03/2015	08/07/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	08/03/2015	08/07/2015	IP 71124.04	Occupational Dose Assessment	
PI&R - PI&R - BIENNIAL					1
1, 2	08/10/2015	08/14/2015	IP 71152B	Problem Identification and Resolution	
1, 2	08/24/2015	08/28/2015	IP 71152B	Problem Identification and Resolution	
7111111B - U2 REQUAL INSP WITH P/F RESULTS					2
2	11/09/2015	11/13/2015	IP 7111111B	Licensed Operator Requalification Program	
EP - EP EXERCISE					6
1, 2	10/19/2015	10/23/2015	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
1, 2	10/19/2015	10/23/2015	IP 7111408	Exercise Evaluation – Scenario Review	

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Enclosure