



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
2100 RENAISSANCE BLVD.  
KING OF PRUSSIA, PA 19406-2713**

August 31, 2016

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR THREE MILE ISLAND  
NUCLEAR STATION, UNIT 1 (REPORT 05000289/2016005)**

Dear Mr. Hanson:

On August 9, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Three Mile Island Nuclear Station, Unit 1. 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, Three Mile Island Nuclear Station, Unit 1, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Three Mile Island Nuclear Station, Unit 1, 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 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 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 # 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's Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (610) 337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Silas R. Kennedy, Chief  
Projects Branch 6  
Division of Reactor Projects

Docket No. 50-289  
License No. DPR-50

Enclosure:  
Inspection Plan

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**DISTRIBUTION:** (See next page)

DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-17 Mid-Cycle Review\Branch 6\Three Mile Island\TMI-Mid-Cycle Letter Final 2016.docx ADAMS ACCESSION NUMBER: ML162135A334

<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	RI/DRP		
NAME	AZiedonis/AZ	SShaffer/SS	SKennedy/SK		
DATE	08/29/2016	08/17/2016	08/29/2016		

Letter to Mr. Bryan Hanson from Silas R. Kennedy dated August 31, 2016.

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NUCLEAR STATION, UNIT 1 (REPORT 05000289/2016005)

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**Three Mile Island**  
**Inspection / Activity Plan**  
**07/01/2016 - 06/30/2018**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>711110T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1	07/18/2016	07/22/2016	IP 7111107T	Heat Sink Performance	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	08/08/2016	08/12/2016	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>71124 - RAD SAFETY INSPECTION</b>		<b>1</b>
1	11/14/2016	11/18/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/14/2016	11/18/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/14/2016	11/18/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/14/2016	11/18/2016	IP 71124.04	Occupational Dose Assessment	
1	11/14/2016	11/18/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			<b>6/26EXAM - TMI INITIAL OL EXAM</b>		<b>4</b>
1	05/29/2017	06/02/2017	U01944	FY17-TMI INITIAL OPERATOR LICENSING EXAM	
1	06/26/2017	07/07/2017	U01944	FY17-TMI INITIAL OPERATOR LICENSING EXAM	
			<b>7111105T - TRIENNIAL FIRE PROTECTION</b>		<b>4</b>
1	01/23/2017	01/27/2017	IP 7111105T	Fire Protection [Triennial]	
1	02/06/2017	02/10/2017	IP 7111105T	Fire Protection [Triennial]	
			<b>7111111B - TMI REQUAL INSP WITH P/F RESULTS</b>		<b>2</b>
1	03/13/2017	03/17/2017	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP - EP EXERCISE EVALUATION</b>		<b>4</b>
1	04/10/2017	04/14/2017	IP 7111401	Exercise Evaluation	
1	04/10/2017	04/14/2017	IP 71151	Performance Indicator Verification	
			<b>71124 - HP INSPECTION</b>		<b>1</b>
1	05/08/2017	05/12/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/08/2017	05/12/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/08/2017	05/12/2017	IP 71124.04	Occupational Dose Assessment	
1	05/08/2017	05/12/2017	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>71124 - REMP</b>		<b>1</b>
1	07/24/2017	07/28/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1	07/24/2017	07/28/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>71124.08 - RADWASTE</b>		<b>1</b>
1	09/11/2017	09/15/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>71124 - HP INSPECTION</b>		<b>1</b>
1	09/25/2017	09/29/2017	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.

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	Start	End			
			<b>71124 - HP INSPECTION</b>		<b>1</b>
1	09/25/2017	09/29/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/25/2017	09/29/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/25/2017	09/29/2017	IP 71124.04	Occupational Dose Assessment	
			<b>7111108P - INSERVICE INSPECTION</b>		<b>1</b>
1	09/25/2017	10/06/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - HP INSPECTION</b>		<b>1</b>
1	11/13/2017	11/17/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/13/2017	11/17/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/13/2017	11/17/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/13/2017	11/17/2017	IP 71124.04	Occupational Dose Assessment	
1	11/13/2017	11/17/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>1</b>
1	03/05/2018	03/09/2018	IP 7111402	Alert and Notification System Testing	
1	03/05/2018	03/09/2018	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/05/2018	03/09/2018	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	03/05/2018	03/09/2018	IP 71151	Performance Indicator Verification	
			<b>71124 - RAD SAFETY INSP</b>		<b>1</b>
1	02/12/2018	02/16/2018	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	02/12/2018	02/16/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>7111121 - CDBI</b>		<b>6</b>
1	02/26/2018	03/02/2018	IP 7111121	Component Design Bases Inspection	
1	03/12/2018	03/16/2018	IP 7111121	Component Design Bases Inspection	
1	03/26/2018	03/30/2018	IP 7111121	Component Design Bases Inspection	
			<b>71152B - PI&amp;R BIENNIAL</b>		<b>1</b>
1	04/30/2018	05/04/2018	IP 71152B	Problem Identification and Resolution	
1	05/14/2018	05/18/2018	IP 71152B	Problem Identification and Resolution	

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