



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I**
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

September 3, 2013

Mr. Michael J. Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Rd.
Warrenville, IL 60555

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –
THREE MILE ISLAND NUCLEAR STATION, UNIT 1 (REPORT
05000289/2013006)**

Dear Mr. Pacilio:

On August 15, 2013, 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 in addition to inspection results and enforcement actions from July 1, 2012 through June 30, 2013. 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 the performance at Three Mile Island Unit 1 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of a low to moderate safety significant (White) finding in the Mitigating Systems Cornerstone. Specifically, a White finding associated with the TMI external flood barrier system was identified during the fourth quarter of 2012 as detailed in NRC Inspection Report 05000289/2012005.

On July 26, 2013, your staff notified the NRC of your readiness for it to conduct a supplemental inspection to review the actions taken to address the performance issues. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection of One or Two White Inputs in a Strategic Performance Area," beginning on September 9, 2013. The inspection procedure is conducted to provide assurance that the root causes and contributing causes of risk significant performance issues are understood, the extent of condition and cause is identified, and the corrective actions are sufficient to prevent recurrence.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC will perform Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," and Temporary Instruction (TI) 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks." 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. 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 accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 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 the 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 Gordon Hunegs at (610)337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Darrell J. Roberts, Director
Division of Reactor Projects

Docket Nos.: 50-289
License Nos.: DPR-50

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/DRP	
NAME <i>mmt</i>	DWerkheiser/ BB for	BBickett/ BB	GHunegs/ GKH	DRoberts/ DJR	
DATE	08/ 26 /13	08/26 /13	09/ 27 /13	08/ 30/13	

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Three Mile Island
 Inspection / Activity Plan
 07/01/2013 - 12/31/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			7111117	- PERMANENT PLANT MODIFICATIONS	3
1	07/08/2013	07/12/2013	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			7111107T	- TRIENNIAL HEAT SINK	1
1	08/12/2013	08/16/2013	IP 7111107T	Heat Sink Performance	
			95001	- WHITE FLOODING ISSUE	2
1	09/09/2013	09/20/2013	IP 95001	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
			71124	- RAD SAFETY INSPECTIONS	2
1	09/23/2013	09/27/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1	09/23/2013	09/27/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71124.08	- RADWASTE	1
1	09/30/2013	10/04/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			TI-182	- DEGRADED UNDERGROUND PIPING - PHASE 2	1
1	10/07/2013	10/11/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			HP	- OCC RAD SAFETY/PI VERIFY	1
1	11/04/2013	11/08/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/04/2013	11/08/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/04/2013	11/08/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/04/2013	11/08/2013	IP 71124.04	Occupational Dose Assessment	
1	11/04/2013	11/08/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			71003	- LR COMMITMENTS PHASE 1 INSP	2
1	11/04/2013	11/08/2013	IP 71003	Post-Approval Site Inspection for License Renewal	
			7111108P	- INSERVICE INSPECTION	2
1	11/04/2013	11/15/2013	IP 7111108P	Inservice Inspection Activities - PWR	
			4/7EXAM	- TMI INITIAL EXAM	3
1	03/10/2014	03/14/2014	U01895	FY14-TMI INITIAL OPERATOR LICENSING EXAM	
1	04/07/2014	04/11/2014	U01895	FY14-TMI INITIAL OPERATOR LICENSING EXAM	
			HP	- EXPOSURE CONTROLS AND ALARA INSPECTION	1
1	01/06/2014	01/10/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	01/06/2014	01/10/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			TRI FI	- TRIENNIAL FIRE PROTECTION	4
1	01/27/2014	01/31/2014	IP 7111105T	Fire Protection [Triennial]	
1	02/10/2014	02/14/2014	IP 7111105T	Fire Protection [Triennial]	
			EP PROG	- EP PROGRAM INSPECTION	1
1	02/03/2014	02/07/2014	IP 7111402	Alert and Notification System Testing	

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

Three Mile Island
Inspection / Activity Plan
07/01/2013 - 12/31/2014

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			EP PROG - EP PROGRAM INSPECTION		1
1	02/03/2014	02/07/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	02/03/2014	02/07/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			71003 - LR COMMITMENT INSP PHASE 2		4
1	02/17/2014	02/21/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
1	03/03/2014	03/07/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
			HP - RADIOACTIVITY & OC DOSE ASSESSMENT		1
1	03/24/2014	03/28/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/24/2014	03/28/2014	IP 71124.04	Occupational Dose Assessment	
			71152B - PI&R BIENNIAL		4
1	05/05/2014	05/10/2014	IP 71152B	Problem Identification and Resolution	
1	05/19/2014	05/24/2014	IP 71152B	Problem Identification and Resolution	
			71124 - RAD SAFETY INSPECTIONS		1
1	06/23/2014	06/27/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			71124 - RAD SAFETY INSPECTIONS		1
1	09/15/2014	09/19/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			71124 - RAD SAFETY INSPECTIONS		1
1	12/01/2014	12/05/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1	12/01/2014	12/05/2014	IP 71151	Performance Indicator Verification	

Comments: