



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

March 4, 2011

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: ANNUAL ASSESSMENT LETTER FOR THREE MILE ISLAND NUCLEAR  
GENERATING STATION UNIT 1 (REPORT 05000289/2010001)

Dear Mr. Pacilio:

On February 11, 2011, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Three Mile Island Unit 1. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010 through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Three Mile Island 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 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, 2012. 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 mid-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.

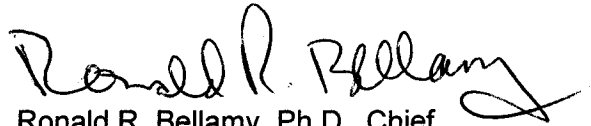
M. Pacilio

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Please contact me at 610-337-5200 with any questions you have regarding this letter.

Sincerely,



Ronald R. Bellamy, Ph.D., Chief  
Reactor Projects Branch 6  
Division of Reactor Projects

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

cc w/encl: Distribution via ListServ  
Three Mile Island Inspection/Activity Plan

M. Pacilio

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Sincerely,  
/RA/  
Ronald R. Bellamy, Ph.D., Chief  
Reactor Projects Branch 6  
Division of Reactor Projects

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DATE	02/24/11	02/24/11	02/28/11

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**Three Mile Island**  
**Inspection / Activity Plan**  
 01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>CDBI - URI-CLOSEOUT - FLOOD INSPECTION</b>		1
1	01/10/2011	01/14/2011	IP 7111121	Component Design Bases Inspection	
			<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		4
1	01/24/2011	01/28/2011	IP 7111105T	Fire Protection [Triennial]	
1	02/07/2011	02/11/2011	IP 7111105T	Fire Protection [Triennial]	
			<b>711111B - TMI REQUAL INSP W/ P/F RESULTS</b>		2
1	03/14/2011	03/18/2011	IP 7111111B	Licensed Operator Requalification Program	
			<b>09/12EXM - OPERATOR LICENSING INITIAL EXAMS</b>		4
1	08/01/2011	08/05/2011	U01829	FY11- THREE MILE ISLAND, INITIAL OL EXAM	
1	08/29/2011	09/09/2011	U01829	FY11- THREE MILE ISLAND, INITIAL OL EXAM	
			<b>EP EX - EP EXERCISE EVALUATION</b>		5
1	04/11/2011	04/15/2011	IP 7111401	Exercise Evaluation	
1	04/11/2011	04/15/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	04/11/2011	04/15/2011	IP 71151-EP01	Drill/Exercise Performance	
1	04/11/2011	04/15/2011	IP 71151-EP02	ERO Drill Participation	
1	04/11/2011	04/15/2011	IP 71151-EP03	Alert & Notification System	
			<b>HP-71124 - RAD WASTE &amp; TI 2515/179</b>		1
1	05/09/2011	05/13/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1	05/09/2011	05/13/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>HP-71124 - INSTRUMENTS/REMP</b>		1
1	05/23/2011	05/27/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/23/2011	05/27/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	05/23/2011	05/27/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS/PI</b>		1
1	06/20/2011	06/24/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	06/20/2011	06/24/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/20/2011	06/24/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/20/2011	06/24/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/20/2011	06/24/2011	IP 71124.04	Occupational Dose Assessment	
1	06/20/2011	06/24/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	06/20/2011	06/24/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	06/20/2011	06/24/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS</b>		1
1	08/08/2011	08/12/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	08/08/2011	08/12/2011	IP 71124.02	Occupational ALARA Planning and Controls	

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**  
 01/01/2011 - 06/30/2012

Unit Number	Planned Dates Start      End		Inspection Activity	Title	No. of Staff on Site
			<b>HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS</b>		1
1	08/08/2011	08/12/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	08/08/2011	08/12/2011	IP 71124.04	Occupational Dose Assessment	
1	08/08/2011	08/12/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>HP-71124 - ACCESS/ALARA/AIR/DOSE/INSTRUMENTS</b>		1
1	10/31/2011	11/04/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/31/2011	11/04/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/31/2011	11/04/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/31/2011	11/04/2011	IP 71124.04	Occupational Dose Assessment	
1	10/31/2011	11/04/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>7111108P - INSERVICE INSPECTION</b>		1
1	10/31/2011	11/11/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>HP-71124 - ACCESS/ALARA/AIR/INSTRUMENTS/PI</b>		1
1	12/05/2011	12/09/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	12/05/2011	12/09/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	12/05/2011	12/09/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	12/05/2011	12/09/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1	12/05/2011	12/09/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	12/05/2011	12/09/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>4/16EXAM - TMI INITIAL EXAM</b>		3
1	03/19/2012	03/23/2012	U01847	FY12-TMI INITIAL OPERATOR LICENSING EXAM	
1	04/16/2012	04/20/2012	U01847	FY12-TMI INITIAL OPERATOR LICENSING EXAM	
			<b>7111121 - CDBI</b>		6
1	02/27/2012	03/02/2012	IP 7111121	Component Design Bases Inspection	
1	03/12/2012	03/16/2012	IP 7111121	Component Design Bases Inspection	
1	03/26/2012	03/30/2012	IP 7111121	Component Design Bases Inspection	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		1
1	03/12/2012	03/16/2012	IP 7111402	Alert and Notification System Testing	
1	03/12/2012	03/16/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/12/2012	03/16/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	03/12/2012	03/16/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>INSP - OCC RAD/ALARA/AIRBORNE/DOSE ASSESS</b>		1
1	05/07/2012	05/11/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/07/2012	05/11/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/07/2012	05/11/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	

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			<b>INSP - OCC RAD/ALARA/AIRBORNE/DOSE ASSESS</b>		<b>1</b>
1	05/07/2012	05/11/2012	IP 71124.04	Occupational Dose Assessment	
			<b>71152B - PI&amp;R</b>		<b>4</b>
1	05/07/2012	05/11/2012	IP 71152B	Identification and Resolution of Problems	
1	05/21/2012	05/21/2012	IP 71152B	Identification and Resolution of Problems	

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