



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

September 2, 2008

Mr. Charles G. Pardee  
Chief Nuclear Officer (CNO) and Senior Vice President  
Exelon Generation Company, LLC  
Chief Nuclear Officer (CNO)  
AmerGen Energy Company, LLC  
200 Exelon Way  
Kennett Square, PA 19348

**SUBJECT: MID CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -  
THREE MILE ISLAND**

Dear Mr. Pardee:

On August 11, 2008, the NRC staff completed its performance review of the Three Mile Island Nuclear Generating Station (Three Mile Island) for the first half of calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter of 2008 at Three Mile Island was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2009. In addition to baseline inspections, we plan on conducting a steam generator replacement inspection and a license renewal inspection. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5200 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA by Raymond J. Powell Acting for/**

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

Docket No: 50-289  
License No: DPR-50

Enclosure: Three Mile Island Inspection/ Activity Plan

cc w/encl:

Executive Vice President and Chief Operating Officer, Exelon Generation  
Site Vice President, TMI Unit 1, AmerGen  
Plant Manager, TMI, Unit 1, AmerGen  
Regulatory Assurance Manager, TMI, Unit 1 AmerGen  
Senior Vice President, Nuclear Services, AmerGen  
Senior Vice President, Mid-Atlantic Operations, AmerGen  
Senior Vice President, Operations Support, AmerGen  
Vice President, Licensing and Regulatory Affairs, AmerGen  
Director Licensing, AmerGen  
Manager Licensing, TMI, AmerGen  
J. Fewell, Esq., Associate General Counsel, Exelon Nuclear  
Correspondence Control Desk, AmerGen  
Chairman, Board of County Commissioners of Dauphin County  
Chairman, Board of Supervisors of Londonderry Township  
R. Janati, Director, Bureau of Radiation Protection, State of PA  
J. Johnsrud, National Energy Committee  
E. Epstein, TMI-Alert (TMIA)  
D. Allard, PADEP  
J. Powers, Director, PA Office of Homeland Security  
R. French, Director, PA Emergency Management Agency

**Three Mile Island**  
**Inspection / Activity Plan**  
**07/01/2008 - 12/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>7112201 - RETS</b>		<b>1</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/07/2008	07/11/2008	Baseline Inspections
	<b>TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>			
1	IP 7111105T	Fire Protection [Triennial]		08/25/2008	08/29/2008	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		09/08/2008	09/12/2008	Baseline Inspections
	<b>EP - EP PROGRAM EVALUATION</b>		<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		09/07/2008	09/13/2008	EP Baseline Inspection
1	IP 7111403	Emergency Response Organization Augmentation Testing		09/07/2008	09/13/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/07/2008	09/13/2008	EP Baseline Inspection
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		09/07/2008	09/13/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		09/07/2008	09/13/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		09/07/2008	09/13/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		09/07/2008	09/13/2008	Baseline Inspections
1	IP 71152	Identification and Resolution of Problems		09/07/2008	09/13/2008	Baseline Inspections
	<b>TI 172 - TI 172 RCS DISSIMILAR METAL BUTT WELDS</b>		<b>1</b>			
1	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		09/15/2008	09/19/2008	Generic Safety Inspectio
	<b>71121 - OCCUPATIONAL RAD PROT</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/13/2008	10/17/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/13/2008	10/17/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/13/2008	10/17/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		10/13/2008	10/17/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		10/13/2008	10/17/2008	Baseline Inspections
	<b>TI 176 - TI 176</b>		<b>1</b>			
1	IP 2515/176	Emergency Diesel Generator Tech Spec Surveillance Requirements Re: Endurance & Margin Traction		10/20/2008	10/24/2008	Generic Safety Inspectio
	<b>TI 171 - TI 171</b>		<b>3</b>			
1	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		11/03/2008	11/07/2008	Generic Safety Inspectio
	<b>71002 - LICENSE RENEWAL INSPECTION</b>		<b>6</b>			
1	IP 71002	License Renewal Inspection		11/17/2008	11/21/2008	License Renewal Inspe
1	IP 71002	License Renewal Inspection		12/08/2008	12/12/2008	License Renewal Inspe
	<b>7111111B - BIENNIAL REQUAL INSPECT WITH P/F RESULTS</b>		<b>3</b>			
1	IP 7111111B	Licensed Operator Requalification Program		03/09/2009	03/13/2009	Baseline Inspections
	<b>5/25EXAM - OPERATOR LICENSING INITIAL EXAMS</b>		<b>4</b>			
1	U01760	FY-09 THREE MILE ISLAND INITIAL OPERATOR LICENSINT EXAM		04/27/2009	05/01/2009	Not Applicable
1	U01760	FY-09 THREE MILE ISLAND INITIAL OPERATOR LICENSINT EXAM		05/25/2009	06/05/2009	Not Applicable

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

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**07/01/2008 - 12/31/2009**

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	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/09/2009	03/13/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		03/09/2009	03/13/2009	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/09/2009	03/13/2009	Baseline Inspections
	<b>EP EXER - EP EXERCISE INSPECTION</b>		<b>2</b>			
1	IP 7111401	Exercise Evaluation		04/12/2009	04/18/2009	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/12/2009	04/18/2009	EP Baseline Inspection
1	IP 711151	Performance Indicator Verification		04/12/2009	04/18/2009	Baseline Inspections
	<b>71122 - RADWASTE</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/18/2009	05/22/2009	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/18/2009	05/22/2009	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		05/18/2009	05/22/2009	Baseline Inspections
	<b>7111121 - CDBI</b>		<b>6</b>			
1	IP 7111121	Component Design Bases Inspection		06/01/2009	06/05/2009	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		06/15/2009	06/19/2009	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		06/22/2009	06/26/2009	Baseline Inspections
	<b>71122 - REMP</b>		<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		06/08/2009	06/12/2009	Baseline Inspections
	<b>50001 - S/G REPLACEMENT</b>		<b>2</b>			
1	IP 50001	Steam Generator Replacement Inspection		08/17/2009	12/11/2009	Other Routine
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		09/14/2009	09/18/2009	Other Routine
1	IP 7112101	Access Control to Radiologically Significant Areas		09/14/2009	09/18/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/14/2009	09/18/2009	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		10/19/2009	10/23/2009	Other Routine
1	IP 7112101	Access Control to Radiologically Significant Areas		10/19/2009	10/23/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/19/2009	10/23/2009	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/19/2009	10/23/2009	Baseline Inspections
	<b>7111108P - INSERVICE INSPECTION</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		10/19/2009	10/23/2009	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		12/07/2009	12/11/2009	Other Routine
1	IP 7112101	Access Control to Radiologically Significant Areas		12/07/2009	12/11/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		12/07/2009	12/11/2009	Baseline Inspections

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				Start	End	
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/07/2009	12/11/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		12/07/2009	12/11/2009	Baseline Inspections

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