



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

March 4, 2009

Mr. Charles G. Pardee
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Rd
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER – THREE MILE ISLAND UNIT 1
(REPORT 05000289/2009001)

Dear Mr. Pardee:

On February 9, 2009, the NRC staff completed its performance review of Three Mile Island Unit 1. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period January 1 through December 31, 2008. 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.

Overall, Three Mile Island Unit 1 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 June 30, 2010. In addition to the baseline inspections, a steam generator replacement inspection will also be performed. 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 mid-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/

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

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

Enclosure: Three Mile Island Unit 1 Inspection/ Activity Plan

cc w/encl:

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T. Dougherty, Plant Manager, TMI, Unit 1, Exelon Nuclear
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Senior Vice President, Nuclear Services, Exelon Nuclear
Senior Vice President, Mid-Atlantic Operations, Exelon Nuclear
Senior Vice President, Operations Support, Exelon Nuclear
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R. Janati, Director, Bureau of Radiation Protection, State of PA
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J. Johnsrud, National Energy Committee
E. Epstein, TMI-Alert (TMIA)
J. Powers, Director, PA Office of Homeland Security
R. French, Director, PA Emergency Management Agency
Institute of Nuclear Power Operations (INPO)

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).

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Sincerely,
/RA/

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

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SUNSI Review Complete: RRB (Reviewer's Initials)

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NAME	SBarber/SB	DKern/DK via email	RBellamy/RRB
DATE	02/18/09	02/23 /09	03/03/09

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Three Mile Island
Inspection / Activity Plan
01/01/2009 - 06/30/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			711111B - BIENNIAL REQUAL INSPECT WITH P/F RESULTS		3
1	03/09/2009	03/13/2009	IP 711111B	Licensed Operator Requalification Program	
			7/6EXAM - OPERATOR LICENSING INITIAL EXAMS		4
1	06/01/2009	06/05/2009	U01760	FY-09 THREE MILE ISLAND INITIAL OPERATOR LICENSINT EXAM	
1	07/06/2009	07/17/2009	U01760	FY-09 THREE MILE ISLAND INITIAL OPERATOR LICENSINT EXAM	
			71121 - OCC RAD SAFETY		1
1	04/06/2009	04/10/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	04/06/2009	04/10/2009	IP 7112102	ALARA Planning and Controls	
1	04/06/2009	04/10/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
			EP EXER - EP EXERCISE INSPECTION		8
1	04/12/2009	04/18/2009	IP 7111401	Exercise Evaluation	
1	04/12/2009	04/18/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	04/12/2009	04/18/2009	IP 71151	Performance Indicator Verification	
			7111121 - CDBI		7
1	06/01/2009	06/05/2009	IP 7111121	Component Design Bases Inspection	
1	06/15/2009	06/19/2009	IP 7111121	Component Design Bases Inspection	
1	06/22/2009	06/26/2009	IP 7111121	Component Design Bases Inspection	
			71122 - RADWASTE		1
1	05/18/2009	05/22/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	05/18/2009	05/22/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1	05/18/2009	05/22/2009	IP 7112202	Radioactive Material Processing and Transportation	
			71122 - REMP		1
1	06/08/2009	06/12/2009	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
			50001 - S/G REPLACEMENT		2
1	08/17/2009	12/18/2009	IP 50001	Steam Generator Replacement Inspection	
			71121 - OCC RAD SAFETY		1
1	09/14/2009	09/18/2009	IP 50001	Steam Generator Replacement Inspection	
1	09/14/2009	09/18/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	09/14/2009	09/18/2009	IP 7112102	ALARA Planning and Controls	
			71121 - OCC RAD SAFETY		1
1	10/19/2009	10/23/2009	IP 50001	Steam Generator Replacement Inspection	
1	10/19/2009	10/23/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	10/19/2009	10/23/2009	IP 7112102	ALARA Planning and Controls	
1	10/19/2009	10/23/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	

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
01/01/2009 - 06/30/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			7111108P - INSERVICE INSPECTION		1
1	10/19/2009	10/23/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			TI-172 - TI-172 RCS DISSIMILAR METAL WELDS		1
1	10/26/2009	10/30/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			71121 - OCC RAD SAFETY		1
1	12/07/2009	12/11/2009	IP 50001	Steam Generator Replacement Inspection	
1	12/07/2009	12/11/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	12/07/2009	12/11/2009	IP 7112102	ALARA Planning and Controls	
1	12/07/2009	12/11/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1	12/07/2009	12/11/2009	IP 71151	Performance Indicator Verification	
			71121 - OCC EXPOSURE		1
1	03/15/2010	03/19/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1	03/15/2010	03/19/2010	IP 7112102-7112102R	ALARA - Required	
1	03/15/2010	03/19/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1	03/15/2010	03/19/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
			EP PROGR - EP PROGRAM INSPECTION		1
1	03/29/2010	04/02/2010	IP 7111402	Alert and Notification System Testing	
1	03/29/2010	04/02/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
1	03/29/2010	04/02/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	03/29/2010	04/02/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	03/29/2010	04/02/2010	IP 71151-EP01	Drill/Exercise Performance	
1	03/29/2010	04/02/2010	IP 71151-EP02	ERO Drill Participation	
1	03/29/2010	04/02/2010	IP 71151-EP03	Alert & Notification System	
			MODS - PERMANENT PLANT MODIFICATIONS		3
1	04/12/2010	04/16/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	04/26/2010	04/30/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			71122 - RETS		1
1	05/10/2010	05/14/2010	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
			TI-173 - GROUND WATER TI		1
1	05/10/2010	05/14/2010	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	

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