



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

September 4, 2012

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

SUBJECT: MID-CYCLE ASSESSMENT LETTER - CLINTON POWER STATION,  
UNIT 1

Dear Mr. Pacilio:

On August 8, 2012, the NRC completed its mid-cycle performance review of Clinton Power Station, Unit 1. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2011 through June 30, 2012. 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 assessment reflects the integration of the Security Cornerstone into Inspection Manual Chapter 0305, "Operating Reactor Assessment Program."

The NRC determined the performance at Clinton, 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 December 31, 2013. Inspections planned include Post-Fukushima Temporary Instructions (TI) 2515/187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI 2515/188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." In addition, team inspections involving Inspection Procedure (IP) 71152B, "Biennial Problem Identification and Resolution," and IP 71111.21, "Component Design Basis Inspection," are scheduled in 2013. 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 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.

M. Pacilio

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In accordance with 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 System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (630) 829-9703 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Mark Ring, Chief  
Branch 1  
Division of Reactor Project

Docket No. 50-461  
License No. NPF-62

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

M. Pacilio

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Letter to M. Pacilio from M. Ring dated September 4, 2012

SUBJECT: MID-CYCLE ASSESSMENT LETTER - CLINTON POWER STATION,  
UNIT 1

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**Clinton**  
**Inspection / Activity Plan**  
**09/01/2012 - 12/31/2013**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		<b>TI-187 - TI-187 FLOODING WALKDOWN</b>		<b>2</b>
07/01/2012	12/31/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
		<b>TI-188 - TI-188 SEISMIC WALKDOWN</b>		<b>2</b>
07/02/2012	12/31/2012	IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	
		<b>BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>1</b>
09/17/2012	09/21/2012	IP 7111402	Alert and Notification System Testing	
09/17/2012	09/21/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
09/17/2012	09/21/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
09/17/2012	09/21/2012	IP 71151	Performance Indicator Verification	
		<b>BI OLRQ - REQUALIFICATION PROGRAM INSPECTION</b>		<b>1</b>
09/24/2012	09/28/2012	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
		<b>TI-182 - TI-2515/182 PHASE I - BURIED PIPING</b>		<b>1</b>
10/09/2012	10/11/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
10/22/2012	10/26/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
10/22/2012	10/26/2012	IP 71151-BI01	Reactor Coolant System Activity	
10/22/2012	10/26/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
10/22/2012	10/26/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
11/26/2012	11/30/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		<b>STRIKE - STRIKE CONTINGENCY - SECURITY</b>		<b>2</b>
01/28/2013	02/28/2013	IP 92709	Licensee Strike Contingency Plans	
		<b>TI INSP - TI 182 BURIED PIPING PHASE 2</b>		<b>1</b>
02/11/2013	02/15/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		<b>BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>2</b>
03/25/2013	03/29/2013	IP 7111401	Exercise Evaluation	
03/25/2013	03/29/2013	IP 71151	Performance Indicator Verification	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
03/11/2013	03/15/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
03/11/2013	03/15/2013	IP 71124.04	Occupational Dose Assessment	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
05/13/2013	05/17/2013	IP 71124.02	Occupational ALARA Planning and Controls	

**Clinton**  
**Inspection / Activity Plan**  
**09/01/2012 - 12/31/2013**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
05/13/2013	05/31/2013	IP 71152B	Problem Identification and Resolution	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
06/03/2013	06/07/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
06/03/2013	06/07/2013	IP 7111111B	Licensed Operator Requalification Program	
		<b>BI CDBI - COMPONENT DESIGN BASIS INSPECTION</b>		<b>6</b>
09/23/2013	10/25/2013	IP 7111121	Component Design Bases Inspection	
		<b>OL PREP - CLINTON INIT PREP - 07/2013</b>		<b>3</b>
07/29/2013	08/02/2013	W90283	OL - INITIAL EXAM - 2013 JUL-AUG - CLINTON	
		<b>OL EXAM - CLINTON INIT EXAM - 08/2013</b>		<b>3</b>
08/19/2013	08/30/2013	W90283	OL - INITIAL EXAM - 2013 JUL-AUG - CLINTON	
		<b>ISFSI - ISFISI INSPECITON</b>		<b>1</b>
09/01/2013	11/30/2013	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
09/01/2013	11/30/2013	IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
09/16/2013	09/20/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
09/16/2013	09/20/2013	IP 71124.07	Radiological Environmental Monitoring Program	
09/16/2013	09/20/2013	IP 71151-BI01	Reactor Coolant System Activity	
09/16/2013	09/20/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
09/16/2013	09/20/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		<b>BI ISI - ISI BASELINE INSPECTION</b>		<b>1</b>
12/02/2013	12/20/2013	IP 7111108G	Inservice Inspection Activities - BWR	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
12/09/2013	12/13/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
12/09/2013	12/13/2013	IP 71124.02	Occupational ALARA Planning and Controls	