



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

September 3, 2013

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CLINTON POWER STATION  
(REPORT 05000461/2013006)**

Dear Mr. Pacilio:

On August 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Clinton Power Station. The NRC reviewed the most recent quarterly performance indicators (PIs) 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 performance during this period and its plans for future inspections at your facility.

The NRC determined that the performance at Clinton Power Station 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, 2014, including the non-baseline Inspection Procedures (IPs) associated with your plans to construct an Independent Spent Fuel Storage Installation, such as IP 60853, "Onsite Fabrication of Components and Construction of an Independent Spent Fuel Storage Installation" and IPs 60856/60856.1, "Review of 10 CFR 72.212(b) Evaluations." 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 any 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 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

M. Pacilio

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

Sincerely,

*/RA/*

Christine A. Lipa, Chief  
Branch 1  
Division of Reactor Projects

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

Enclosure: Clinton Power Station  
Inspection Plan/Activity Plan

cc w/encl: Distribuiton via ListServ™

M. Pacilio

-2-

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

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Letter to M. Pacilio from C. Lipa dated September 3, 2013

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CLINTON POWER STATION  
(REPORT 05000461/2013006)

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**Clinton**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	09/16/2013	09/20/2013	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	10/07/2013	10/18/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/07/2013	10/18/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/07/2013	10/18/2013	IP 71151-BI01	Reactor Coolant System Activity	
1	10/07/2013	10/18/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/07/2013	10/18/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>BI ISI - ISI BASELINE INSPECTION</b>		<b>1</b>
1	10/07/2013	10/25/2013	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI FIRE - FIRE PROTECTION INSPECTION AND BAG TRIP</b>		<b>5</b>
1	01/13/2014	02/14/2014	IP 7111105T	Fire Protection [Triennial]	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	03/03/2014	03/07/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/03/2014	03/07/2014	IP 71124.04	Occupational Dose Assessment	
			<b>BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>1</b>
1	03/24/2014	03/28/2014	IP 7111402	Alert and Notification System Testing	
1	03/24/2014	03/28/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/24/2014	03/28/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	03/24/2014	03/28/2014	IP 71151	Performance Indicator Verification	
			<b>ISFSI - ISFISI INSPECTION</b>		<b>1</b>
1	05/01/2014	11/29/2014	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
1	05/01/2014	11/29/2014	IP 60856	Review of 10 CFR 72.212(b) Evaluations	
			<b>ISFSI - REVIEW OF 10 CFR 72.212 EVALUATIONS</b>		<b>1</b>
1	05/01/2014	11/30/2014	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>
1	04/14/2014	04/18/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	07/21/2014	07/25/2014	IP 71124.07	Radiological Environmental Monitoring Program	
1	07/21/2014	07/25/2014	IP 71151	Performance Indicator Verification	
			<b>BI ENG - TRIENNIAL HEAT SINK INSPECTION</b>		<b>1</b>
1	09/08/2014	09/12/2014	IP 7111107T	Heat Sink Performance	

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

**Clinton**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	10/06/2014	10/10/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>STRIKE - STRIKE PREP - OPS/MAINT/RP/CLERKS</b>		<b>3</b>
1	11/03/2014	12/16/2014	IP 92709	Licensee Strike Contingency Plans	

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