



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 5, 2012

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR CLINTON POWER STATION
(REPORT 05000461/2011007)**

Dear Mr. Pacilio:

On February 15, 2012, the NRC completed its end-of-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 January 1, 2011, through December 31, 2011. 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, Clinton Power Station, Unit 1, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Clinton Power Station, 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, 2013. The inspections scheduled include: Inspection Procedure (IP) 71111.17, "Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications," Temporary Instruction (TI) 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks," IP 71114.01, "Exercise Evaluation," and IP 71152, "Problem Identification and Resolution." Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 9 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

-2-

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

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

Sincerely,

/RA/

Mark A. Ring, Branch Chief
Branch 1
Division of Reactor Projects

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

Enclosure: Clinton Power Station Inspection/Activity Plan

cc w/encl: Distribution via ListServ

M. Pacilio

-2-

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

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

Sincerely,

/RA/

Mark A. Ring, Branch Chief
Branch 1
Division of Reactor Projects

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

Enclosure: Clinton Power Station Inspection/Activity Plan

cc w/encl: Distribution via ListServ

DISTRIBUTION:
See next page

DOCUMENT NAME: G:\DRPIII\1-Secy\1-Work In Progress\2012 EOC Letters\Clinton 2011 EOC Letter.docx

Publicly Available Non-Publicly Available Sensitive Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl

"E" = Copy with attach/encl "N" = No copy

OFFICE	RIII	E					
NAME	MRing:cs						
DATE	02/28/12						

OFFICIAL RECORD COPY

Letter to M. Pacilio from M. Ring dated March 5, 2012

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CLINTON POWER STATION
(REPORT 05000461/2011007)

DISTRIBUTION:

Breeda Reilly

RidsNrrDorlLp13-2 Resource

RidsNrrPMClinton Resource

RidsNrrDirslrib Resource

Chuck Casto

Cynthia Pederson

Jennifer Uhle

Steven Orth

Jared Heck

Allan Barker

Carole Ariano

Linda Linn

DRSIII

DRPIII

Patricia Buckley

Tammy Tomczak

ROPAssessment.Resource@nrc.gov

Clinton
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
02/27/2012	03/02/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
05/14/2012	05/18/2012	IP 71124.02	Occupational ALARA Planning and Controls	
		BI OLRQ - REQUALIFICATION PROGRAM INSPECTION		1
05/29/2012	06/01/2012	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
		BI MODS - TRIENNIAL PERM MODS/50.59		3
06/25/2012	07/13/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
08/20/2012	08/24/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
08/20/2012	08/24/2012	IP 71151-BI01	Reactor Coolant System Activity	
08/20/2012	08/24/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
08/20/2012	08/24/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		1
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	
		TI-182 - TI-2515/182 PHASE I - BURIED PIPING		1
10/09/2012	10/11/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
11/26/2012	11/30/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		STRIKE - STRIKE CONTINGENCY - SECURITY		2
01/28/2013	02/28/2013	IP 92709	Licensee Strike Contingency Plans	
		BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION		2
03/25/2013	03/29/2013	IP 7111401	Exercise Evaluation	
03/25/2013	03/29/2013	IP 71151	Performance Indicator Verification	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
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	
		BI PI&R - BIENNIAL PI&R INSPECTION		4
05/13/2013	05/31/2013	IP 71152B	Problem Identification and Resolution	

Clinton
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
06/03/2013	06/07/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
06/03/2013	06/07/2013	IP 7111111B	Licensed Operator Requalification Program	
