

March 02, 2005

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Nuclear
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER - CLINTON POWER STATION
(REPORT 05000461/200501)

Dear Mr. Crane:

On February 8, 2005, the NRC staff completed its end-of-cycle plant performance assessment of the Clinton Power Station. The end-of-cycle review for the Clinton Power Station involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, the Clinton Power Station 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 only reactor oversight process (ROP) baseline inspections at your facility through September 30, 2006.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

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 (630) 829-9703 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

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

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

Enclosure: Clinton Power Station Inspection/Activity Plan

cc w/encl: Site Vice President - Clinton Power Station
Plant Manager - Clinton Power Station
Regulatory Assurance Manager - Clinton Power Station
Chief Operating Officer
Senior Vice President - Nuclear Services
Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Manager Licensing - Clinton Power Station
Senior Counsel, Nuclear, Mid-West Regional Operating Group
Document Control Desk - Licensing

last 12 months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

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Manager Licensing - Clinton Power Station
Senior Counsel, Nuclear, Mid-West Regional Operating Group
Document Control Desk - Licensing

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Institute of Nuclear Power Operations (INPO)

Clinton
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	FPI	- TRIENNIAL FIRE PROTECTION INSPECTION	3			
1	IP 7111105T	Fire Protection		05/02/2005	05/20/2005	Baseline Inspections
	FY 2005	- CLINTON INIT PREP 06/2005	3			
1	W90123	OL - INITIAL EXAM - CLINTON - JUN/JUL 2005		06/20/2005	06/24/2005	Not Applicable
	FY 2005	- CLINTON INIT EXAM 07/2005	3			
1	W90123	OL - INITIAL EXAM - CLINTON - JUN/JUL 2005		07/11/2005	07/22/2005	Not Applicable
	71114	- EP EXERCISE & EP PI INSP	2			
1	IP 7111401	Exercise Evaluation		10/03/2005	10/07/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/03/2005	10/07/2005	Baseline Inspections
	SSDPC	- SAFETY SYSTEM DESIGN & PERFORMANCE	5			
1	IP 7111121	Safety System Design and Performance Capability		11/14/2005	12/02/2005	Baseline Inspections
	71111.11	- LIC OPERATOR REQUAL PROGRAM EVALUATION	2			
1	IP 7111111B	Licensed Operator Requalification Program		11/14/2005	11/18/2005	Baseline Inspections
	BI	- RAD ACCESS CONTROL,ALARA,INSTR, REMP	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/28/2005	12/02/2005	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/28/2005	12/02/2005	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/28/2005	12/02/2005	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		11/28/2005	12/02/2005	Baseline Inspections
	ISI	- CLINTON ISI INSPECTION	1			
1	IP 7111108G	Inservice Inspection Activities - BWR		02/06/2006	02/10/2006	Baseline Inspections
	IP 71121	- RP OUTAGE ACCESS CTRL & ALARA INSP	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		02/06/2006	02/10/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		02/06/2006	02/10/2006	Baseline Inspections
	PI&R	- PROBLEM IDENTIFICATION AND RESOLUTION	4			
1	IP 71152B	Identification and Resolution of Problems		03/13/2006	03/31/2006	Baseline Inspections
	71114	- BASELINE EP INSPECTION	1			
1	IP 7111402	Alert and Notification System Testing		03/20/2006	03/24/2006	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		03/20/2006	03/24/2006	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		03/20/2006	03/24/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		03/20/2006	03/24/2006	Baseline Inspections
	IP 71122	- RADWASTE PROCESSING & TRANSPORTATION	1			
1	IP 7112202	Radioactive Material Processing and Transportation		05/01/2006	05/05/2006	Baseline Inspections
	HS	- HEAT SINK INSPECTION	1			
1	IP 7111107B	Heat Sink Performance		05/08/2006	05/12/2006	Baseline Inspections

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

Clinton
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	IP 71121	- RP POST OUTAGE ACCESS CTRL/ALARA INSP	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/14/2006	08/18/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/14/2006	08/18/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/14/2006	08/18/2006	Baseline Inspections
	M50.59	- MOD 50.59 INSPECTION	2			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		08/14/2006	09/01/2006	Baseline Inspections