

March 2, 2006

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 50-461/06-01)

Dear Mr. Crane:

On February 9, 2006, the NRC staff completed its performance review of Clinton Power Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2005. 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 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, 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 reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through September 30, 2007. 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 9 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 (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

See Attached Distribution

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

See Attached Distribution

DOCUMENT NAME:G:\Branch TSS\ALL EOC\EOC CY2005\EOC Letters For CY 2005\Clinton.wpd  
 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	RIII	E			
NAME	ABarker:ntp	MRing				
DATE	02/28/06	02/28/06				

**OFFICIAL RECORD COPY**

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  
Illinois Department of Nuclear Safety  
Clinton Police Department  
Mayor of Clinton  
Mayor of Weldon  
DeWitt County Board Chairman  
DeWitt County Sheriff  
EMA Coordinator, DeWitt County  
Mayor of Wapella  
McLean County Board Chairman  
McLean County Sheriff  
EMA Coordinator, McLean County  
Piatt County Board Chairman  
Piatt County Sheriff  
EMA Coordinator, Piatt County  
Macon County Board Chairman  
Macon County Sheriff  
EMA Coordinator, Macon County  
INPO

ADAMS Distribution:

DWW

KNJ

RidsNrrDirslpab

JLC1

GEG

KGO

RML2

SRI Clinton

DRSIII

DRPIII

PLB1

JRK1

[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov) (inspection reports, final SDP letters, any letter with an IR number)

**Clinton**  
**Inspection / Activity Plan**  
**03/01/2006 - 09/30/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>HS</b>	<b>- HEAT SINK INSPECTION</b>	<b>1</b>			
1	IP 7111107B	Heat Sink Performance		03/27/2006	03/31/2006	Baseline Inspections
	<b>71114</b>	<b>- BASELINE EP INSPECTION</b>	<b>1</b>			
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
	<b>7112202</b>	<b>- TRANSPORTATION &amp; RADWASTE</b>	<b>1</b>			
1	IP 7112202	Radioactive Material Processing and Transportation		05/22/2006	05/26/2006	Baseline Inspections
	<b>7112101</b>	<b>- RADIOLOGICAL ACCESS &amp; POST OUTAGE ALARA</b>	<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/28/2006	09/01/2006	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/28/2006	09/01/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/28/2006	09/01/2006	Baseline Inspections
	<b>ME</b>	<b>- MAINTENANCE RULE INSPECTION</b>	<b>1</b>			
1	IP 7111112B	Maintenance Effectiveness		10/02/2006	10/06/2006	Baseline Inspections
	<b>M50.59</b>	<b>- MOD 50.59 INSPECTION</b>	<b>2</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		11/13/2006	12/01/2006	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		11/13/2006	12/01/2006	Baseline Inspections
	<b>7112201</b>	<b>- RADIOLOGICAL EFFLUENTS</b>	<b>1</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		12/11/2006	12/15/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		12/11/2006	12/15/2006	Baseline Inspections
	<b>7112103</b>	<b>- RADIOLOGICAL INSTRUMENTATION</b>	<b>1</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/26/2007	03/02/2007	Baseline Inspections
	<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>4</b>			
1	IP 71152B	Identification and Resolution of Problems		03/24/2007	04/11/2007	Baseline Inspections
	<b>7112203</b>	<b>- REMP &amp; RAD MTL CONTROL</b>	<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		05/14/2007	05/18/2007	Baseline Inspections
	<b>FY 2007</b>	<b>- CLINTON INIT PREP 07/2007</b>	<b>2</b>			
1	W90158	OL - INITIAL EXAM - CLINTON - JUL/AUG 2007		07/23/2007	07/27/2007	Not Applicable
	<b>7112101</b>	<b>- RADIOLOGICAL ACCESS CONTROL</b>	<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/06/2007	08/10/2007	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		08/06/2007	08/10/2007	Baseline Inspections
	<b>FY 2007</b>	<b>- CLINTON INIT EXAM 08/2007</b>	<b>3</b>			
1	W90158	OL - INITIAL EXAM - CLINTON - JUL/AUG 2007		08/13/2007	08/24/2007	Not Applicable