

December 19, 2007

Mr. Charles G. Pardee
Chief Nuclear Officer and
Senior Vice President
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville IL 60555

SUBJECT: CHANGE TO THE INSPECTION PLAN - BYRON STATION

Dear Mr. Pardee:

As part of a periodic self-assessment, the Nuclear Regulatory Commission (NRC) thoroughly reviewed its inspection procedures to ensure the continued effective application of inspection resources. The main objective of the review was to determine the appropriate inspection scope for the majority of the inspection procedures in the reactor oversight process (ROP). The result of this effort (designated ROP realignment) created changes to both inspection scope and/or inspection frequency for selected inspection procedures in the ROP. The purpose of this letter is to update the schedule of future inspection activities at your facility that was provided with the mid-cycle assessment letter in August 2007. Please note that there were no changes made to inspection procedures in the security, emergency preparedness, and health physics areas.

The enclosed inspection plan details the inspections (less those related to security) scheduled for calendar year 2008. The inspection plan is provided to resolve any scheduling and/or personnel availability issues well in advance of the inspectors' arrival onsite. Routine resident inspections are not listed due to their continuous nature.

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), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

C. Pardee

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Please contact me at 630-829-9620 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA by Christine A. Lipa Acting for/

Richard A. Skokowski, Chief
Projects Branch 3
Division of Reactor Projects

Docket Nos. 50-454; 50-455
License Nos. NPF-37; NPF-66

Enclosure: As Stated

cc w/encl: Site Vice President - Byron Station
Plant Manager - Byron Station
Regulatory Assurance Manager - Byron Station
Chief Operating Officer and Senior Vice President
Senior Vice President - Midwest Operations
Senior Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Director - Licensing and Regulatory Affairs
Manager Licensing - Braidwood, Byron, and LaSalle
Associate General Counsel
Document Control Desk – Licensing
Assistant Attorney General
Illinois Emergency Management Agency
State Liaison Officer, State of Illinois
State Liaison Officer, State of Wisconsin
Chairman, Illinois Commerce Commission
B. Quigley, Byron Station

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Director - Licensing and Regulatory Affairs
Manager Licensing - Braidwood, Byron, and LaSalle
Associate General Counsel
Document Control Desk – Licensing
Assistant Attorney General
Illinois Emergency Management Agency
State Liaison Officer, State of Illinois
State Liaison Officer, State of Wisconsin
Chairman, Illinois Commerce Commission
B. Quigley, Byron Station

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OFFICIAL RECORD COPY

Letter to C. Pardee from R. Skokowski dated December 19, 2007

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Byron
Inspection / Activity Plan
01/01/2008 - 12/31/2008

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
BI ENG - ENGINEERING MODIFICATIONS / 50.59 INSP.		3			
IP 7111102	Evaluation of Changes, Tests, or Experiments		01/14/2008	02/01/2008	Baseline Inspections
IP 7111117B	Permanent Plant Modifications		01/14/2008	02/01/2008	Baseline Inspections
OL EXAM - BYRON INITIAL LIC ON-SITE VALIDATION		6			
W90180	BYRON - INITIAL EXAM - APRIL/MAY 2008		04/28/2008	05/02/2008	Not Applicable
BI ENG - ENGINEERING INSERVICE INSPECTION/ TI 172		2			
IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		03/17/2008	04/11/2008	Generic Safety Inspe
IP 7111108P	Inservice Inspection Activities - PWR		03/17/2008	04/11/2008	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112101	Access Control to Radiologically Significant Areas		03/24/2008	03/28/2008	Baseline Inspections
IP 7112102	ALARA Planning and Controls		03/24/2008	03/28/2008	Baseline Inspections
BI EP - EP ROUTINE INSPECTION / PI VERIFICATION		1			
IP 7111402	Alert and Notification System Testing		04/07/2008	04/11/2008	EP Baseline Inspectic
IP 7111403	Emergency Response Organization Augmentation Testing		04/07/2008	04/11/2008	EP Baseline Inspectic
IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		04/07/2008	04/11/2008	EP Baseline Inspectic
IP 71151-EP01	Drill/Exercise Performance		04/07/2008	04/11/2008	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		04/07/2008	04/11/2008	Baseline Inspections
IP 71151-EP03	Alert & Notification System		04/07/2008	04/11/2008	Baseline Inspections
OL EXAM - BYRON INITIAL LICENSE EXAM (05/19 - 30)		6			
W90180	BYRON - INITIAL EXAM - APRIL/MAY 2008		05/19/2008	05/30/2008	Not Applicable
ISFSI - ISFSI INSPECTION		1			
IP 60856	Review of 10 CFR 72.212(b) Evaluations		07/01/2008	09/01/2008	Other Routine
2515/172 - TI 2515/172 RCS WELD INSPECTION		1			
IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		07/21/2008	07/25/2008	Generic Safety Inspe
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/11/2008	08/15/2008	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		08/11/2008	08/15/2008	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		08/11/2008	08/15/2008	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		08/11/2008	08/15/2008	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112101	Access Control to Radiologically Significant Areas		10/06/2008	10/10/2008	Baseline Inspections
IP 7112102	ALARA Planning and Controls		10/06/2008	10/10/2008	Baseline Inspections
BI ENG - ENGINEERING INSERVICE INSPECTION/ TI 172		2			
IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		10/06/2008	10/31/2008	Generic Safety Inspe
IP 7111108P	Inservice Inspection Activities - PWR		10/06/2008	10/31/2008	Baseline Inspections

Byron
Inspection / Activity Plan
01/01/2008 - 12/31/2008

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End		Inspection Type
BI OL IP 7111111B	- BIENNIAL REQUAL. PROGRAM INSPECTION Licensed Operator Requalification Program	2	11/03/2008	11/07/2008	Baseline Inspections