

March 4, 2003

Mr. John L. Skolds, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER - BYRON STATION, UNITS 1 AND 2  
(REPORT 03-01)

Dear Mr. Skolds:

On February 11, 2003, the NRC staff completed its end-of-cycle plant performance assessment of Byron Station, Units 1 and 2. The end-of-cycle review for Byron Station, Units 1 and 2, involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2002. 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.

Overall, Byron Station, Units 1 and 2, 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 baseline inspections at your facility through March 31, 2004.

The enclosed inspection plan details the inspections scheduled through March 31, 2004. 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 6 months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

As you are aware, since the terrorist attacks on September 11, 2001, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2003, we

plan to continue these inspections, conduct portions of the security baseline inspection program, as well as perform additional inspections to evaluate your

J. Skolds

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compliance with new requirements that may be ordered. Based on our final determinations in this regard, we will notify you of any inspection plan changes.

In accordance with 10 CFR 2.790 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) 829-9729 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Ann Marie Stone, Chief  
Branch 3  
Division of Reactor Projects

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

Enclosure: Byron Station, Units 1 and 2 Inspection/Activity Plan

See Attached Distribution

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NAME	JERutkowski:co		AStone							
DATE	03/ /03		03/ /03							

**OFFICIAL RECORD COPY**

cc w/encl: Site Vice President - Byron  
Byron Station Plant Manager  
Regulatory Assurance Manager - Byron  
Chief Operating Officer  
Senior Vice President - Nuclear Services  
Senior Vice President - Mid-West Regional  
Operating Group  
Vice President - Mid-West Operations Support  
Vice President - Licensing and Regulatory Affairs  
Director Licensing - Mid-West Regional Operating Group  
Manager Licensing - Braidwood and Byron  
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S. Hawley, Village Clerk  
J. A. Leather, President, Stillman Valley  
J. Daws, County Board Chairman  
M. Messer, Ogle County Sheriff  
R. McDermott, Emergency Management Director  
K. Cohn, County Board Chairman  
R. Meyers, Winnebago County Sheriff  
D. Lolli, Director, ESDA  
The Honorable Mike Arians  
The Honorable Kathryn Hamas  
The Honorable Steven Mongan  
The Honorable Robert Gingerich  
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ADAMS Distribution:

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RidsNrrDipmlipb

J. Caldwell, RIII

G. Grant, RIII

B. Clayton, RIII

R. Lickus, RIII

SRI Byron

DRPIII

DRSIII

PLB1

JRK1

**Byron**  
**Inspection / Activity Plan**  
**03/01/2003 - 03/31/2004**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>SSDI</b>	<b>- SAFETY SYSTEM DESIGN</b>	<b>5</b>			
1, 2	IP 711121	Safety System Design and Performance Capability		05/05/2003	05/23/2003	Baseline Inspections
	<b>TI 148</b>	<b>- TI2515/148 SECURITY ICMS</b>	<b>4</b>			
1, 2	IP 2515/148	Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures		05/12/2003	05/16/2003	Safety Issues
	<b>IP 71122</b>	<b>- REMP &amp; UNCONDITIONAL RELEASE INSPECTION</b>	<b>1</b>			
1, 2	IP 7112203	Radiological Environmental Monitoring Program		05/19/2003	05/23/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		05/19/2003	05/23/2003	Baseline Inspections
	<b>IP 71121</b>	<b>- RAD INSTRUMENTATION INSPECTION</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		07/21/2003	07/25/2003	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		07/21/2003	07/25/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		07/21/2003	07/25/2003	Baseline Inspections
	<b>ISI</b>	<b>- ISI FOR UNIT 1</b>	<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		09/22/2003	10/03/2003	Baseline Inspections
	<b>ISI</b>	<b>- TI-150 FOR UNIT 1</b>	<b>1</b>			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)		09/22/2003	10/03/2003	Safety Issues
	<b>IP 71121</b>	<b>- RP OUTAGE ALARA &amp; ACCESS CNTL INSPECTION</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		09/29/2003	10/03/2003	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		09/29/2003	10/03/2003	Baseline Inspections
	<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>3</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		10/13/2003	11/03/2003	Baseline Inspections
	<b>FY 2004</b>	<b>- BYRON INIT PREP 10/2003</b>	<b>2</b>			
1	W90072	OL - INITIAL EXAM - BYRON - NOV/DEC 2003		10/27/2003	10/31/2003	Not Applicable
	<b>INSP</b>	<b>- BIENNIAL EP EXERCISE</b>	<b>2</b>			
1, 2	IP 7111401	Exercise Evaluation		12/01/2003	12/05/2003	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		12/01/2003	12/05/2003	Baseline Inspections
	<b>FY 2004</b>	<b>- BYRON INIT EXAM 12/2003</b>	<b>3</b>			
1	W90072	OL - INITIAL EXAM - BYRON - NOV/DEC 2003		12/01/2003	12/12/2003	Not Applicable
	<b>HT SNK B</b>	<b>- HEAT SINK BIENNIAL (DRS)</b>	<b>1</b>			
1, 2	IP 7111107B	Heat Sink Performance		12/08/2003	12/12/2003	Baseline Inspections
	<b>MOD50.59</b>	<b>- MODIFICATIONS &amp; 50.59</b>	<b>3</b>			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/26/2004	01/30/2004	Baseline Inspections
1, 2	IP 7111117B	Permanent Plant Modifications		01/26/2004	01/30/2004	Baseline Inspections
	<b>IP 71121</b>	<b>- RP OUTAGE ALARA &amp; ACCESS CNTRL INSP</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/29/2004	04/02/2004	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		03/29/2004	04/02/2004	Baseline Inspections

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