

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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|--------|----------------|--|---------|--|--|--|--|--|--|
| OFFICE | RIII | | RIII | | | | | | |
| 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
Senior Counsel, Nuclear, Mid-West Regional
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State Liaison Officer
State Liaison Officer, State of Wisconsin
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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
INPO

ADAMS Distribution:

AJM

DFT

H. Nieh, OEDO

Project Director, NRR

Project Mgr., NRR

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 | |
| | SSDI | - SAFETY SYSTEM DESIGN | 5 | | | |
| 1, 2 | IP 711121 | Safety System Design and Performance Capability | | 05/05/2003 | 05/23/2003 | Baseline Inspections |
| | TI 148 | - TI2515/148 SECURITY ICMS | 4 | | | |
| 1, 2 | IP 2515/148 | Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures | | 05/12/2003 | 05/16/2003 | Safety Issues |
| | IP 71122 | - REMP & UNCONDITIONAL RELEASE INSPECTION | 1 | | | |
| 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 |
| | IP 71121 | - RAD INSTRUMENTATION INSPECTION | 1 | | | |
| 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 |
| | ISI | - ISI FOR UNIT 1 | 1 | | | |
| 1 | IP 7111108P | Inservice Inspection Activities - PWR | | 09/22/2003 | 10/03/2003 | Baseline Inspections |
| | ISI | - TI-150 FOR UNIT 1 | 1 | | | |
| 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 |
| | IP 71121 | - RP OUTAGE ALARA & ACCESS CNTL INSPECTION | 1 | | | |
| 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 |
| | PI&R | - PROBLEM IDENTIFICATION AND RESOLUTION | 3 | | | |
| 1, 2 | IP 71152B | Identification and Resolution of Problems | | 10/13/2003 | 11/03/2003 | Baseline Inspections |
| | FY 2004 | - BYRON INIT PREP 10/2003 | 2 | | | |
| 1 | W90072 | OL - INITIAL EXAM - BYRON - NOV/DEC 2003 | | 10/27/2003 | 10/31/2003 | Not Applicable |
| | INSP | - BIENNIAL EP EXERCISE | 2 | | | |
| 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 |
| | FY 2004 | - BYRON INIT EXAM 12/2003 | 3 | | | |
| 1 | W90072 | OL - INITIAL EXAM - BYRON - NOV/DEC 2003 | | 12/01/2003 | 12/12/2003 | Not Applicable |
| | HT SNK B | - HEAT SINK BIENNIAL (DRS) | 1 | | | |
| 1, 2 | IP 7111107B | Heat Sink Performance | | 12/08/2003 | 12/12/2003 | Baseline Inspections |
| | MOD50.59 | - MODIFICATIONS & 50.59 | 3 | | | |
| 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 |
| | IP 71121 | - RP OUTAGE ALARA & ACCESS CNTRL INSP | 1 | | | |
| 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.