

Exelon Generation Company, LLC www.exeloncorp.com
Byron Station
4450 North German Church Road
Byron, IL 61010-9794

February 15, 2002

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United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

Byron Station, Units 1 and 2
Facility Operating License Nos. NPF-37 and NPF-66
NRC Docket Nos. STN 50-454 and STN 50-455

Subject: Monthly Operating Report

In accordance with Technical Specification 5.6.4, "Monthly Operating Reports," we are submitting the Monthly Operating Report for Byron Station, Units 1 and 2. This report covers the period January 1, 2002, through January 31, 2002.

If you have any questions regarding this report, please contact Mr. William Grundmann, Regulatory Assurance Manager, at (815) 234-5441, extension 2800.

Respectfully,



Stephen E. Kuczynski
Plant Manager
Byron Nuclear Generating Station

SEK/DD/dpk

Attachment

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Byron Station
NRC Project Manager – NRR – Byron Station
Office of Nuclear Facility Safety – Illinois Department of Nuclear Safety

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ATTACHMENT

**BYRON STATION, UNIT 1 AND UNIT 2
MONTHLY OPERATING REPORT**

EXELON GENERATION COMPANY, LLC

FACILITY OPERATING LICENSE NOS. NPF-37 AND NPF-66

NRC DOCKET NOS. STN 50-454 AND STN 50-455

OPERATING DATA REPORT
UNIT ONE

DOCKET NO. 50-454
 UNIT NAME Byron One
 DATE 02/15/02
 COMPLETED BY D. Drawbaugh
 TELEPHONE (815) 234-5441, X2813

REPORTING PERIOD: January, 2002
 (Month/Year)

	<u>MONTH</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
1. Design Electrical Rating (MWe-Net). The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.	1,187	N/A	N/A
2. Maximum Dependable Capacity (MWe-Net). The gross electrical output as measured at the output terminals of the turbine-generator during the most restrictive seasonal conditions minus the normal station service loads.	1,163	N/A	N/A
3. Number of Hours the Reactor was Critical. The total number of hours during the gross hours of the reporting period that the reactor was critical.	744	744	121,699.57
4. Number of Hours the Generator was On Line (also called Service Hours). The total number of hours during the gross hours of the reporting period that the unit operated with breakers closed to the station bus. The sum of the hours the generator was on line plus the total outage hours should equal the gross hours in the reporting period	744	744	120,708.54
5. Unit Reserve Shutdown Hours. The total number of hours during the gross hours of the reporting period that the unit was removed from service for economic or similar reasons but was available for operation.	0	0	0
6. Net Electrical Energy (MWH). The gross electrical output of the unit measured at the output terminals of the turbine-generator minus the normal station service loads during the gross hours of the reporting period, expressed in megawatt hours. Negative quantities should not be used.	895,858	895,858	124,334,435

UNIT SHUTDOWNS

DOCKET NO. 50-454
 UNIT NAME Byron One
 DATE 02/15/02
 COMPLETED BY D. Drawbaugh
 TELEPHONE (815) 234-5441, X2813

REPORTING PERIOD: January 2002

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS

SUMMARY: Unit One On-Line During the Month of January.

- (1) Reason
- A – Equipment Failure (Explain)
 - B – Maintenance Test
 - C – Refueling
 - D – Regulatory Restriction
 - E – Operator Training/License Examination
 - F – Administrative
 - G – Operational Error (Explain)
 - H – Other (Explain)

- (2) Method
- 1 – Manual
 - 2 – Manual Trip/Scram
 - 3 – Automatic Trip/Scram
 - 4 – Continuation
 - 5 – Other (Explain)

UNIQUE REPORTING REQUIREMENTS (UNIT ONE)
for the month of January, 2002

1. Safety/Relief valve operations for Unit One. This information is provided pursuant to the reporting requirements contained in Technical Specification 5.6.4, "Monthly Operating Report."

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO. & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
None				

2. Licensee generated changes to Offsite Dose Calculation Manual.

None

3. Indications of failed fuel.

None. Fuel Reliability Indicator: (FRI) = 7.23 E-06 μ Ci/cc.

4. Licensee Events Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit One, occurring during the reporting period, January 1, 2002, through January 31, 2002. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73, "Licensee Event Report System."

<u>Licensee Event Report Number</u>	<u>Occurrence Date</u>	<u>Title of Occurrence</u>
Supplemental LER 454-2001-003-01	09/27/01	Entry Into Technical Specification Limiting Condition for Operation 3.0.3 Due to a Leak on a Safety Injection Valve Weld Caused by a Pre-Existing Condition and Failing to Use Correct Work Scope Revision Process.

OPERATING DATA REPORT
UNIT TWO

DOCKET NO.	<u>50-455</u>
UNIT NAME	<u>Byron Two</u>
DATE	<u>02/15/02</u>
COMPLETED BY	<u>D. Drawbaugh</u>
TELEPHONE	<u>(815) 234-5441, X2813</u>

REPORTING PERIOD: January, 2002
(Month/Year)

	<u>MONTH</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
1. Design Electrical Rating (MWe-Net). The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.	1,155	N/A	N/A
2. Maximum Dependable Capacity (MWe-Net). The gross electrical output as measured at the output terminals of the turbine-generator during the most restrictive seasonal conditions minus the normal station service loads.	1,131	N/A	N/A
3. Number of Hours the Reactor was Critical. The total number of hours during the gross hours of the reporting period that the reactor was critical.	744	744	113,827.38
4. Number of Hours the Generator was On Line (also called Service Hours). The total number of hours during the gross hours of the reporting period that the unit operated with breakers closed to the station bus. The sum of the hours the generator was on line plus the total outage hours should equal the gross hours in the reporting period	744	744	113,053.28
5. Unit Reserve Shutdown Hours. The total number of hours during the gross hours of the reporting period that the unit was removed from service for economic or similar reasons but was available for operation.	0	0	0
6. Net Electrical Energy (MWH). The gross electrical output of the unit measured at the output terminals of the turbine-generator minus the normal station service loads during the gross hours of the reporting period, expressed in megawatt hours. Negative quantities should not be used.	887,289	887,289	116,881,282

UNIT SHUTDOWNS

DOCKET NO.	<u>50-455</u>
UNIT NAME	<u>Byron Two</u>
DATE	<u>02/15/02</u>
COMPLETED BY	<u>D. Drawbaugh</u>
TELEPHONE	<u>(815) 234-5441, X2813</u>

REPORTING PERIOD: January, 2002

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS

<p>SUMMARY: Unit Two On-Line During the Month of January.</p>

- (1) Reason
- A – Equipment Failure (Explain)
 - B – Maintenance Test
 - C – Refueling
 - D – Regulatory Restriction
 - E – Operator Training/License Examination
 - F – Administrative
 - G – Operational Error (Explain)
 - H – Other (Explain)

- (2) Method
- 1 – Manual
 - 2 – Manual Trip/Scram
 - 3 – Automatic Trip/Scram
 - 4 – Continuation
 - 5 – Other (Explain)

UNIQUE REPORTING REQUIREMENTS (UNIT TWO)
for the month of January, 2002

1. Safety/Relief valve operations for Unit Two. This information is provided pursuant to the reporting requirements contained in Technical Specification 5.6.4, "Monthly Operating Report."

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO. & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIIPTION OF EVENT</u>
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None

2. Licensee generated changes to Offsite Dose Calculation Manual.

None

3. Indications of failed fuel.

None. Fuel Reliability Indicator: (FRI) = $3.92 \text{ E-}06 \text{ } \mu\text{Ci/cc}$.

4. Licensee Events Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit Two, occurring during the reporting period, January 1, 2002, through January 31, 2002. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73, "Licensee Event Report System."

<u>Licensee Event Report Number</u>	<u>Occurrence Date</u>	<u>Title of Occurrence</u>
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None