

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

www.exeloncorp.com

Nuclear

June 14, 2001

LTR: BYRON 2001-0088
File: 2.07.0200

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 May 1, 2001, through May 31, 2001.

As stated in our May 14, 2001 letter transmitting the Monthly Operating Report for April 2001, a computer problem was identified that has changed the "Year to Date" and "Cumulative" Unit 1 and Unit 2 "Net Electrical Energy (MWH)". This error has been corrected, and revised data is included for April 2001.

If you have any questions regarding this report, please contact P. Reister, Regulatory Assurance Manager, at (815) 234-5441, extension 2280.

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

JE24

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 06/14/01
COMPLETED BY D. Drawbaugh
TELEPHONE (815) 234-5441, X2402

REPORTING PERIOD: May, 2001
(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.	1,120	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.	1,105	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	3,623	115,818.57
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	3,623	114,827.54
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.	882,573	4,219,893	117,268,574

OPERATING DATA REPORT
UNIT ONE

DOCKET NO. 50-454
UNIT NAME Byron One
DATE 06/14/01
COMPLETED BY D. Drawbaugh
TELEPHONE (815) 234-5441, X2402

REPORTING PERIOD: April, 2001 - Revised data noted by revision line.
(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.	1,120	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.	1,105	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.	719	2,879	115,074.57
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.	719	2,879	114,083.54
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.	N/A	N/A	N/A
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.	821,875	3,337,320	116,386,001

UNIT SHUTDOWNS

DOCKET NO. 50-454
 UNIT NAME Byron One
 DATE 06/14/01
 COMPLETED BY D. Drawbaugh
 TELEPHONE (815) 234-5441, X2402

REPORTING PERIOD: May, 2001

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
		None				

SUMMARY: Unit One On Line During the Month of May

- (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 May, 2001

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) = $1.06 \text{ E-}06 \text{ } \mu\text{Ci/cc}$.

4. Licensee Events Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit One, occurring during the reporting period, May 1, 2001, through May 31, 2001. 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>
454-2001-001-00	05/15/01	Reactor Power Limits Exceeded Due to Improperly Calculated Feedwater Mass Flowrate Utilized in Reactor Power Calorimetric.

OPERATING DATA REPORT
UNIT TWO

DOCKET NO.	<u>50-455</u>
UNIT NAME	<u>Byron Two</u>
DATE	<u>06/14/01</u>
COMPLETED BY	<u>D. Drawbaugh</u>
TELEPHONE	<u>(815) 234-5441, X2402</u>

REPORTING PERIOD: May, 2001
(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.	1,120	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.	1,105	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	3,252.45	107,963.51
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	3,244.4	107,199.45
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.	868,527	3,699,748	109,867,012

OPERATING DATA REPORT
UNIT TWO

DOCKET NO. 50-455
UNIT NAME Byron Two
DATE 06/14/01
COMPLETED BY D. Drawbaugh
TELEPHONE (815) 234-5441, X2402

REPORTING PERIOD: April, 2001 – Revised data noted by revision line.
(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.	1,120	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.	1,105	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.	348.45	2,508.45	107,219.51
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.	340.4	2,500.4	106,455.45
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.	N/A	N/A	N/A
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.	336,907	2,831,221	108,998,485

UNIT SHUTDOWNS

DOCKET NO. 50-455
 UNIT NAME Byron Two
 DATE 06/14/01
 COMPLETED BY D. Drawbaugh
 TELEPHONE (815) 234-5441, X2402

REPORTING PERIOD: May, 2001

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
		None				

SUMMARY: Unit Two on line during the month of May.

- (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 May, 2001

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>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) = $1.00 \text{ E-}06 \text{ } \mu\text{Ci/cc}$.

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, May 1, 2001, through May 31, 2001. 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>
454-2001-001-00	05/15/2001	Reactor Power Limits Exceeded Due to Improperly Calculated Feedwater Mass Flowrate Utilized in Reactor Power Calorimetric.