

Commonwealth Edison Company
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441



December 9, 1999

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United States Nuclear Regulatory Commission
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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 November 1, 1999, to November 30, 1999.

If you have any questions regarding this report, please contact Mr. Karl Moser, Acting Regulatory Assurance Manager, at (815) 234-5441, extension 2159.

Respectfully,

A handwritten signature in black ink that reads "Richard P. Lopflore". The signature is written in a cursive style.

Richard P. Lopflore
Station Manager
Byron Station

RPL/RC/dpk

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Byron Station

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

COMMONWEALTH EDISON COMPANY

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 12/07/99
 COMPLETED BY R. Colglazier
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: November, 1999
 (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.	720	7,230.63	103,085.03
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.	720	7,201.82	102,176.22
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	38
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.	819,356	8,064,775	102,913,111

UNIT SHUTDOWNS

DOCKET NO.	<u>50-454</u>
UNIT NAME	<u>Byron One</u>
DATE	<u>12/07/99</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815) 234-5441, X2609</u>

REPORTING PERIOD: November, 1999

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 November

- (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 1)
for the month of November, 1999

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

<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 ODCM.

None

3. Indications of failed fuel.

None. Fuel Reliability Indicator: (FRI) = $4.40 \text{ E-}06 \text{ } \mu\text{Ci/cc}$.

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, November 1, 1999 through November 30, 1999. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

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

**OPERATING DATA REPORT
UNIT TWO**

DOCKET NO. 50-455
 UNIT NAME Byron Two
 DATE 12/07/99
 COMPLETED BY R. Colglazier
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: November, 1999
 (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.	377.17	7,457.05	95,226.45
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.	359.92	7,438.94	94,485.84
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.	371,065	8,321,528	95,309,311

UNIT SHUTDOWNS

DOCKET NO.	<u>50-455</u>
UNIT NAME	<u>Byron Two</u>
DATE	<u>12/07/99</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815) 234-5441, X2609</u>

REPORTING PERIOD: November, 1999

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS
						COMMENTS
1	11/01/99	S	342.83	C	4	Completed refuel outage B2R08 on 11/16/99

SUMMARY: Unit Two Refuel Outage B2R08 Successfully Completed in 24 Days, 4 Minutes.

- (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 2)
for the month of November, 1999**

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

<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 ODCM.

None

3. Indications of failed fuel.

None. Fuel Reliability Indicator: (FRI) = 1.00 E-06 μ 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, November 1, 1999 through November 30, 1999. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

<u>Licensee Event Report Number</u>	<u>Occurrence Date</u>	<u>Title of Occurrence</u>
455: 99-002	11/10/99	Inadvertent Reactor Protection and Engineered Safety Feature Systems Actuations in Mode 5 Due to Unexpected Steam Generator Level Response When Stroking a Feedwater Isolation Valve