

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



November 12, 1999

LTR: BYRON 99-0153
File: 2.7.200

United States Nuclear Regulatory Commission
ATTN: 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 October 1, 1999, to October 31, 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, appearing to read "Richard P. Loppre".

Richard P. Loppre
Station Manager
Byron Station

RPL/RC/dpk

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

IE24

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 11/08/99
 COMPLETED BY R. Colglazier
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: October, 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.	745	6,510.63	102,365.03
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.	745	6,481.82	101,456.22
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.	846,783	7,245,419	102,093,755

UNIT SHUTDOWNS

DOCKET NO.	<u>50-454</u>
UNIT NAME	<u>Byron One</u>
DATE	<u>11/08/99</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815) 234-5441, X2609</u>

REPORTING PERIOD: October, 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 October

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

4. Licensee Events Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit One, occurring during the reporting period, October 1, 1999 through October 31, 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 11/08/99
 COMPLETED BY R. Colglazier
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: October, 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.	528.88	7,079.88	94,849.28
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.	528.02	7,079.02	94,125.92
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.	576,368	7,950,463	94,938,246

UNIT SHUTDOWNS

DOCKET NO.	<u>50-455</u>
UNIT NAME	<u>Byron Two</u>
DATE	<u>11/08/99</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815) 234-5441, X2609</u>

REPORTING PERIOD: October, 1999

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS COMMENTS
1	10/23/99	S	216.1	C	1	Began refuel outage B2R08

SUMMARY: Unit Two On Line 523 Consecutive Days Prior to Start of B2R08

- (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 October, 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) = 4.02 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, October 1, 1999 through October 31, 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: 99-001	10/19/99	Six of 20 Main Steam Safety Valves Relief Test Results in Exceeding Required Tolerance Due to Disk to Nozzle Metallic Bonding