

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



April 10, 2000

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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 March 1, 2000 through March 31, 2000.

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

Respectfully,

A handwritten signature in black ink that reads "Richard P. Lopriore". The signature is fluid and cursive.

Richard P. Lopriore  
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 04/03/00  
 COMPLETED BY R. Colglazier  
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: March, 2000  
 (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	2184	106,017.20
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	2184	105,104.22
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.	844,803	2,470,102	106,226,925

## UNIT SHUTDOWNS

DOCKET NO. 50-454  
 UNIT NAME Byron One  
 DATE 04/03/00  
 COMPLETED BY R. Colglazier  
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: March, 2000

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 March

- (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 March, 2000

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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. &amp; 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) =  $1.25 \text{ E-}06 \text{ } \mu\text{Ci/cc}$ .

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, March 1, 2000 through March 31, 2000. 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		

UNIT TWO

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DOCKET NO. 50-455  
 UNIT NAME Byron Two  
 DATE 04/03/00  
 COMPLETED BY R. Colglazier  
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: March, 2000  
 (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	2,156.48	98,126.93
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	2,148.78	97,378.62
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.	852,815	2,449,503	98,611,385

## UNIT SHUTDOWNS

DOCKET NO. 50-455  
 UNIT NAME Byron Two  
 DATE 04/03/00  
 COMPLETED BY R. Colglazier  
 TELEPHONE (815) 234-5441, X2609

REPORTING PERIOD: March, 2000

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 March

- (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 March, 2000

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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. &amp; TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
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None

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

None. Fuel Reliability Indicator: (FRI) = 1.00 E-06  $\mu$ 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, March 1, 2000 through March 31, 2000. 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>
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None