

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



January 15, 1999

LTR: BYRON 99-0006
FILE: 2.7.200

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

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

SUBJECT: Monthly Operating Report

Enclosed for your information is the Monthly Operating Report covering Byron Station for the period December 1 through December 31, 1998.

Sincerely,

A handwritten signature in dark ink, appearing to read 'W. Levis', is written over a horizontal line.

William Levis
Station Manager
Byron Station

WL/RC/clb

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

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9901210039 981231
PDR ADOCK 05000454
R PDR

bcc: Byron Project Manager – NRR
Office of Nuclear Safety – IDNS
INPO Record Center
B. Lewis, McGraw – Hill Nuclear Publications Dept.
N. Reynolds, Winston & Strawn

BYRON STATION
UNIT 1 AND UNIT 2
MONTHLY PERFORMANCE REPORT
COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-454
NRC DOCKET NO. 050-455

LICENSE NO. NPF-37
LICENSE NO. NPF-66

OPERATING DATA REPORT UNIT ONE

DOCKET NO.	<u>50-454</u>
UNIT NAME	<u>Byron One</u>
DATE	<u>01/10/99</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815)234-5441</u> <u>X2609</u>

REPORTING PERIOD: December, 1998
(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	7,174.1	95,854.4
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	7,145.9	94,974.4
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.	815,730	7,790,828	94,848,336

UNIT SHUTDOWNS

DOCKET NO. 50-454
 UNIT NAME Byron One
 DATE 01/11/99
 COMPLETED BY R. Colglazier
 TELEPHONE (815)234-5441
X2609

REPORTING PERIOD: December, 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 December.

- (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 December, 1998

1. Safety/Relief valve operations for Unit One. This information is provided pursuant to the reporting requirements contained in Technical Specification 6.9.1.8.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & 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.

No. Fuel Reliability Indicator: FRI = $2.63 \text{ E-5 } \mu\text{Ci/cc}$

4. Licensee Event Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit One, occurring during the reporting period, December 1, 1998 through December 31, 1998. 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

OPERATING DATA REPORT UNIT TWO

DOCKET NO.	<u>50-455</u>
UNIT NAME	<u>Byron Two</u>
DATE	<u>01/10/99</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815)234-5441</u> <u>X2609</u>

REPORTING PERIOD: December, 1998
(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 reactor was critical.	744	7,871.7	87,769.4
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	7,855.6	87,046.9
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.	853,480	8,592.921	86,987,783

UNIT SHUTDOWNS

DOCKET NO. 50-455
 UNIT NAME Byron Two
 DATE 01/11/99
 COMPLETED BY R. Colglazier
 TELEPHONE (815)234-5441
X2609

REPORTING PERIOD: December, 1999

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 December.

- (2) 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 December, 1998

1. Safety/Relief valve operations for Unit Two. This information is provided pursuant to the reporting requirements contained in Technical Specification 6.9.1.8.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & 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.

No. Fuel Reliability Indicator: FRI = 5.16 E-5 μ Ci/cc

4. Licensee Event Reports

The following is a tabular summary of all Licensee Event Reports for Byron Station, Unit Two, occurring during the reporting period, December 1, 1998 through December 31, 1998. 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