

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

**ComEd**

October 9, 1998

LTR: BYRON 98-0283  
FILE: 2.7.200

U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

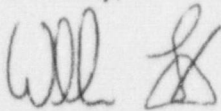
ATTENTION: Document Control Desk

SUBJECT: Monthly Operating Report  
Byron Nuclear Power Station, Units 1 and 2  
NRC Docket Numbers: 50: 454 and 455

Gentlemen:

Enclosed for your information is the Monthly Operating Report covering Byron Nuclear Power Station for the period September 1 through September 30, 1998.

Sincerely,



William Levis  
Station Manager  
Byron Nuclear Power Station

WL/RC/rp

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

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BYRON NUCLEAR POWER 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>050-454</u>
UNIT NAME	<u>Byron One</u>
DATE	<u>10/09/98</u>
COMPLETED BY	<u>R. Colglazier</u>
TELEPHONE	<u>(815) 234-5441</u> <u>x2609</u>

REPORTING PERIOD September, 1988  
(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	4,965.1	93,645.4
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.	720	4,936.9	92,765.4
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.	802,488	5,307,182	92,364,690

## UNIT SHUTDOWNS

**DOCKET NO.** 050-454  
**UNIT NAME.** Byron One  
**DATE** 10/09/98  
**COMPLETED BY** R. Colglazier  
**TELEPHONE** (815)234-5441  
x2609

**REPORTING PERIOD:** September, 1998  
 (Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS  COMMENTS

**SUMMARY:** Unit One Ran Steady During the Month of September.

**(1) Reason**

- A - Equipment Failure (Explain)
- B - Maintenance or 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 September, 1998**

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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 6.9.1.8.

<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.

No. Fuel Reliability Indicator: FRI = 2.10 E-5  $\mu$ Ci/cc

4. Licensee Event Reports

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit One, occurring during the reporting period, September 1, 1998 through September 30, 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>
454: 98-018	09/12/98	1A D/G Trip During Start-Up

**OPERATING DATA REPORT  
UNIT TWO**

DOCKET NO.	050-455
UNIT NAME	Byron Two
DATE	10/09/98
COMPLETED BY	R. Colglazier
TELEPHONE	(815) 234-5441 x2609

REPORTING PERIOD September, 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.	720	5,662.7	85,560.4
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	720	5,646.6	84,837.9
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.	793,721	6,069,033	84,463,895

## UNIT SHUTDOWNS

**DOCKET NO.** 050-455  
**UNIT NAME.** Byron Two  
**DATE** 10/09/98  
**COMPLETED BY** R. Colglazier  
**TELEPHONE** (815)234-5441  
x2609

**REPORTING PERIOD:** September, 1998  
 (Month/Year)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN (2)	CAUSE/CORRECTIVE ACTIONS  COMMENTS

**SUMMARY:** Unit Two Ran Steady During the Month of September. However, the Unit reduced power by approximately 75% on September 18th to repair a main feedwater regulator valve.

**(1) Reason**

- A - Equipment Failure (Explain)
- B - Maintenance or 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 September, 1998**

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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 6.9.1.8.

<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.

No. Fuel Reliability Indicator: FRI = 6.42 E-5  $\mu$ Ci/cc

4. Licensee Event Reports

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit Two, occurring during the reporting period, September 1, 1998 through September 30, 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>
None		