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

ComEd

June 10, 1998

LTR: BYRON 98-0181
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 May 1 through May 31, 1998.

Sincerely,

K. L. Kofron
Station Manager
Byron Nuclear Power Station

KLK/JV/rp

cc: Regional Administrator - RIII
Byron Project Manager - NRR
Senior Resident Inspector - Byron
Office of Nuclear Safety - IDNS
INPO Records Center
B. Lewis, McGraw - Hill Nuclear Publications Dept.



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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. 050-454
UNIT NAME Byron One
DATE 06/10/98
COMPLETED BY J. Vogl
TELEPHONE (815) 234-5441 x2282

REPORTING PERIOD **May, 1998**
(Month/Year)

| | | MONTH | YEAR TO DATE | CUMULATIVE |
|---|---|---|---|---|
| 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 | 2,037.1 | 90,717.4 |
| 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 | 2,008.9 | 89,837.4 |
| 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 | 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. | 827,007 | 2,044,401 | 89,101,909 |

## UNIT SHUTDOWNS

**DOCKET NO.** 050-454
**UNIT NAME.** Byron One
**DATE** 06/10/98
**COMPLETED BY** J. Vogl
**TELEPHONE** (815)234-5441 x2282

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

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

SUMMARY: Unit One Ran Steady During the Month of May.

(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)

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## UNIQUE REPORTING REQUIREMENTS (UNIT 1)
## for the month of May, 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.

| DATE | VALVES ACTUATED | NO & TYPE ACTUATION | PLANT CONDITION | DESCRIPTION OF EVENT |
|---|---|---|---|---|
| None | | | | |

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = 3.12 E-5 µCi/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, May 1, 1998 through May 31, 1998. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

| Licensee Event Report Number | Occurrence Date | Title of Occurrence |
|---|---|---|
| None | | |

# OPERATING DATA REPORT
## UNIT TWO

| | |
|---|---|
| DOCKET NO. | 050-455 |
| UNIT NAME | Byron Two |
| DATE | 06/10/98 |
| COMPLETED BY | J. Vogl |
| TELEPHONE | (815) 234-5441 x2282 |

**REPORTING PERIOD** May, 1998
(Month/Year)

| | | MONTH | YEAR TO DATE | CUMULATIVE |
|---|---|---|---|---|
| 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. | 334.2 | 2,734.7 | 82,632.4 |
| 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. | 319.5 | 2,718.6 | 81,909.9 |
| 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 nor nal station service loads during the gross hours of the reporting period, expressed in megawatt hours. Negative quantities should not be used. | 285,318 | 2,809,829 | 81,204,691 |

## UNIT SHUTDOWNS

DOCKET NO. 050-455
UNIT NAME. Byron Two
DATE 06/10/98
COMPLETED BY J. Vogl
TELEPHONE (815)234-5441 x2282

REPORTING PERIOD: May, 1998
(Month/Year)

| NO. | DATE | TYPE F: FORCED S: SCHEDULED | DURATION (HOURS) | REASON (1) | METHOD OF SHUTTING DOWN (2) | CAUSE/CORRECTIVE ACTIONS COMMENTS |
|---|---|---|---|---|---|---|
| 2 | 5/18/98 | S | 424.5 | C | 4 | B2R07 Refueling Outage Completed |

SUMMARY: Unit Two Ended its B2R07 Refueling Outage on 5/18/98.

(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 May, 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.

| DATE | VALVES ACTUATED | NO & TYPE ACTUATION | PLANT CONDITION | DESCRIPTION OF EVENT |
|---|---|---|---|---|
| None | | | | |

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = 6.44 E-5 µCi/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, May 1, 1998 through May 31, 1998. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

| Licensee Event Report Number | Occurrence Date | Title of Occurrence |
|---|---|---|
| None | | |