

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



March 8, 1996


LTR: BYRON 96-0064
FILE: 2.7.200

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Enclosed for your information is the Monthly Performance Report
covering Byron Nuclear Power Station for the period
February 1 through February 29, 1996.

Sincerely,


K. L. Kofron
Station Manager
Byron Nuclear Power Station

KLK/JV/mn

cc: H.J. Miller, NRC, Region III
NRC Resident Inspector Byron
IL Dept. of Nuclear Safety
Regulatory Services Manager
Nuclear Fuel Services, PWR Plant Support
INPO Records Center
G.F. Dick, Jr. - USNRC
F. Yost - Utility Data Institute, Inc.

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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

I. Monthly Report for Byron UNIT 1 for the month of February, 1996

A. Summary of Operating Experience for Unit 1

The Unit began this reporting period in Mode 1 (Power Operations).

B. OPERATING DATA REPORT UNIT ONE

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 03/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: February, 1996 Gross Hours: 696
2. Currently Authorized Power Level: 3411 (MWt)
Design Electrical Rating: 1175 (MWe-gross)
Design Electrical Rating: 1120 (MWe-net)
Max Dependable Capacity: 1105 (MWe-net)
3. Power Level to Which Restricted (If Any): None
4. Reasons for Restriction (If Any): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE*
5. Report Period Hrs.	696	1440	91,657
6. Rx Critical Hours	696	1440	76,659.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	696	1440	75,939.6
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,313,105	4,743,221	232,508,176
11. Gross Elec. Energy (MWH)	786,600	1,616,956	78,673,214
12. Net Elec. Energy (MWH)	750,408	1,543,862	74,596,322
13. Reactor Service Factor	100	100	83.64
14. Reactor Availability Factor	100	100	83.68
15. Unit Service Factor	100	100	82.85
16. Unit Availability Factor	100	100	82.85
17. Unit Capacity Factor (MDC net)	97.57	97.03	73.65
18. Unit Capacity Factor (DER net)	96.27	95.73	72.67
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.3%
21. Shutdowns Scheduled Over Next 6 Months: 1 (B1R07)			
22. If Shutdown at End of Report Period, Estimated Date of Startup: None			
23. Units in Test Status (Prior to Commercial Operation): None			

* Note - The cumulative numbers do not reflect power generated prior to commercial service.

C. AVERAGE DAILY UNIT POWER LEVEL UNIT ONE

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 03/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: February, 1996

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1. 1075 MW	16. 1088 MW
2. 1083 MW	17. 1086 MW
3. 1088 MW	18. 1087 MW
4. 1084 MW	19. 1078 MW
5. 1080 MW	20. 1074 MW
6. 1074 MW	21. 1088 MW
7. 1072 MW	22. 1085 MW
8. 1071 MW	23. 1075 MW
9. 1073 MW	24. 1076 MW
10. 1069 MW	25. 1070 MW
11. 1022 MW	26. 1078 MW
12. 1089 MW	27. 1080 MW
13. 1085 MW	28. 1090 MW
14. 1086 MW	29. 1067 MW
15. 1082 MW	30.
	31.

INSTRUCTIONS

On this form list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line.) In such cases the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

Report Period: February 1996

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
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NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT ONE IN FEBRUARY

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling H-Other	3-Auto Scram	Preparation of
	D-Regulatory Restriction	4-Continued	Data Entry Sheet
	E-Operator Training	5-Reduced Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 1) for the month of February, 1996

1. Safety/Relief valve operations for Unit One.

<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.

Yes. Fuel Reliability Indicator: FRI = $2.3 \text{ E-4 } \mu\text{Ci/cc}$

F. LICENSEE EVENT REPORTS (UNIT 1)

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit One, occurring during the reporting period, February 1, 1996 through February 29, 1996. 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

II. Monthly Report for Byron UNIT 2 for the month of February, 1996

A. Summary of Operating Experience for Unit 2

The Unit began this reporting period in Mode 1 (Power Operations).

B. OPERATING DATA REPORT UNIT TWO

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 03/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: February, 1996. Gross Hours: 696
2. Currently Authorized Power Level: 3411 (MWt)
Design Electrical Rating: 1175 (MWe-gross)
Design Electrical Rating: 1120 (MWe-net)
Max Dependable Capacity: 1105 (MWe-net)
3. Power Level to Which Restricted (If Any): None
4. Reasons for Restriction (If Any): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE*
5. Report Period Hrs.	696	1440	74,761
6. Rx Critical Hours	696	1440	65,694.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	696	1440	65,060.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,360,739	4,884,773	194,885,976
11. Gross Elec. Energy (MWH)	813,810	1,684,387	66,390,052
12. Net Elec. Energy (MWH)	777,299	1,610,331	63,081,498
13. Reactor Service Factor	100	100	87.87
14. Reactor Availability Factor	100	100	87.87
15. Unit Service Factor	100	100	87.02
16. Unit Availability Factor	100	100	87.02
17. Unit Capacity Factor (MDC net)	101.07	101.20	76.36
18. Unit Capacity Factor (DER net)	99.72	99.85	75.34
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.11
21. Shutdowns Scheduled Over Next 6 Months: 1 (B2R06)			
22. If Shutdown at End of Report Period, Date of Startup: None			
23. Units in Test Status (Prior to Commercial Operation): None			

* Note - The cumulative numbers do not reflect power generated prior to commercial service.

C. AVERAGE DAILY UNIT POWER LEVEL UNIT TWO

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 03/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: February, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1128 MW	16. 1123 MW
2. 1128 MW	17. 1125 MW
3. 1119 MW	18. 1126 MW
4. 1045 MW	19. 1119 MW
5. 1118 MW	20. 1115 MW
6. 1118 MW	21. 1123 MW
7. 1118 MW	22. 1119 MW
8. 1119 MW	23. 1112 MW
9. 1117 MW	24. 1113 MW
10. 1074 MW	25. 1114 MW
11. 1118 MW	26. 1122 MW
12. 1123 MW	27. 1122 MW
13. 1117 MW	28. 1131 MW
14. 1120 MW	29. 1125 MW
15. 1122 MW	30.
	31.

INSTRUCTIONS

On this form list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt. These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line.) In such cases the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

Report Period: February, 1996

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action To Prevent Recurrence
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NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT TWO IN FEBRUARY

* Summary *

TYPE	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	F-Admin	2-Manual Scram	Instructions for
	B-Maint or Test	3-Auto Scram	Preparation of
	G-Oper Error	4-Continued	Data Entry Sheet
	C-Refueling	5-Reduced Load	Licensee Event Report
	H-Other	9-Other	(LER) File (NUREG-0161)
	D-Regulatory Restriction		
	E-Operator Training		
	& License Examination		

E. UNIQUE REPORTING REQUIREMENTS (UNIT 2) for the month of February, 1996

1. Safety/Relief valve operations for Unit Two.

<u>DATE</u>	<u>VALVES</u> <u>ACTUATED</u>	<u>NO & TYPE</u> <u>ACTUATION</u>	<u>PLANT</u> <u>CONDITION</u>	<u>DESCRIPTION</u> <u>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 = $2.3 \text{ E-5 } \mu\text{Ci/CC}$

F. LICENSEE EVENT REPORTS (UNIT 2)

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit Two, occurring during the reporting period, February 1, 1996 through February 29, 1996. 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		