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

ComEd

November 6, 1995

LTR: BYRON 95-0359
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 October 1 through October 31, 1995.

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 October, 1995

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: 11/06/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441 x2282

OPERATING STATUS

1. Reporting Period: October, 1995 Gross Hours: 745

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.	745	7,296	88,753
6. Rx Critical Hours	504.9	7,055.9	75,041.2
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	504.5	7,055.5	74,325.7
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	1,665,557	23,252,981	227,295,970
11. Gross Elec. Energy (MWH)	571,075	7,920,308	76,898,590
12. Net Elec. Energy (MWH)	542,611	7,564,142	72,919,371
13. Reactor Service Factor	67.77	96.71	84.55
14. Reactor Availability Factor	67.77	96.71	84.59
15. Unit Service Factor	67.72	96.70	83.74
16. Unit Availability Factor	67.72	96.70	83.74
17. Unit Capacity Factor (MDC net)	65.91	93.82	74.35
18. Unit Capacity Factor (DER net)	65.03	92.57	73.36
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.36

21. Shutdowns Scheduled Over Next 6 Months: 2 (B1P02) (B1R07)

22. If Shutdown at End of Report Period, Estimated Date of Startup: 11/25/95

23. Units in Test Status (Prior to Commercial Operation): None

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

Ć. AVERAGE DAILY UNIT POWER LEVEL UNIT ONE

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 11/06/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441 x2282

MONTH: October, 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1095 MW	16.	1108 MW
2.	1098 MW	17.	1097 MW
3.	1096 MW	18.	1100 MW
4.	1094 MW	19.	1094 MW
5.	1100 MW	20.	1092 MW
6.	1102 MW	21.	817 MW
7.	1106 MW	22.	-12 MW
8.	1031 MW	23.	-13 MW
9.	1103 MW	24.	-12 MW
10.	1103 MW	25.	-13 MW
11.	1094 MW	26.	-12 MW
12.	1090 MW	27.	-12 MW
13.	1092 MW	28.	-12 MW
14.	1106 MW	29.	-12 MW
15.	1109 MW	30.	-12 MW
		31.	-12 MW

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: October 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

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* BYRON *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	10/20/95	F	21	A	5	-	MS	VALVE	#3 H.P. GOV. VALVE FAILED CLOSED CAUSING LOAD DROP.
7	10/21/95	S	14	B	5	-	-	-	L15616 AND L17101 STABILITY TRIP RELAYS OPEN FOR MICROWAVE WORK.
8	10/21/95	S	240.5	B	1	-		S/G	BEGAN B1P02 INSPECTION OF STEAM GENERATORS

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* Summary *
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TYPE	Reason	Method	System & Component
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 & License Examination	5-Reduced Load	Licensee Event Report
		9-Other	(LER) File (NUREG-0161)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 1) for the month of October, 1995

1. Safety/Relief valve operations for Unit One.

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

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

Yes. Fuel Reliability Indicator: FRI = 2.1 E-4 μCi/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, October 1, 1995 through October 31, 1995. 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
LER 454:95-005	10/10/95	Fire Protection Report Discrepancies Due to Inadequate Evaluations During Preparation of Original Analysis
LER 454:95-006	10/27/95	Missed Surveillances During Steam Generator Tube Inspection

II. Monthly Report for Byron UNIT 2 for the month of October, 1995

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: 11/06/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: October, 1995. Gross Hours: 745

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.	745	7296	71,857
6. Rx Critical Hours	745	6,275.5	62,790.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	745	6,246.9	62,156.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,517,318	20,095,024	185,078,922
11. Gross Elec. Energy (MWH)	868,683	6,878,367	63,012,551
12. Net Elec. Energy (MWH)	832,898	6,555,392	59,842,789
13. Reactor Service Factor	100	86.01	87.38
14. Reactor Availability Factor	100	86.01	87.38
15. Unit Service Factor	100	85.62	86.50
16. Unit Availability Factor	100	85.62	86.50
17. Unit Capacity Factor (MDC net)	101.18	81.31	75.37
18. Unit Capacity Factor (DER net)	99.82	80.22	74.36
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.20

21. Shutdowns Scheduled Over Next 6 Months: None

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: 11/06/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441 x2282

MONTH: October, 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1115 MW	16.	1126 MW
2.	1117 MW	17.	1117 MW
3.	1124 MW	18.	1083 MW
4.	1122 MW	19.	1117 MW
5.	1118 MW	20.	1126 MW
6.	1119 MW	21.	1024 MW
7.	1123 MW	22.	1107 MW
8.	1124 MW	23.	1115 MW
9.	1077 MW	24.	1135 MW
10.	1112 MW	25.	1132 MW
11.	1117 MW	26.	1131 MW
12.	1113 MW	27.	1132 MW
13.	1113 MW	28.	1136 MW
14.	1126 MW	29.	1137 MW
15.	1128 MW	30.	1137 MW
		31.	1137 MW

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 repcrting 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 Pe_iod: October, 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

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* BYRON *
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action To Prevent Recurrence

NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT TWO

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* Summary *
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TYPE	Reason	Method	System & Component
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 2) for the month of October, 1995

1. Safety/Relief valve operations for Unit Two.

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 = 2.1 E-5 μCi/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, October 1, 1995 through October 31, 1995. 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		