

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

ComEd

December 11, 1995

LTR: BYRON 95-0397
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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 November 1 through November 30, 1995.

Sincerely,



K. L. Koffron
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 November, 1995

A. Summary of Operating Experience for Unit 1

The Unit began this reporting period in Mode 5 (Cold Shutdown).

B. OPERATING DATA REPORT UNIT ONE

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 12/11/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: November, 1995 Gross Hours: 720
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.	720	8,016	89,473
6. Rx Critical Hours	0	7,055.9	75,041.2
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	0	7,055.5	74,325.7
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	0	23,252,981	227,295,970
11. Gross Elec. Energy (MWH)	0	7,920,308	76,898,590
12. Net Elec. Energy (MWH)	-9,310	7,554,832	72,910,061
13. Reactor Service Factor	0	88.02	83.87
14. Reactor Availability Factor	0	88.02	83.91
15. Unit Service Factor	0	88.02	83.07
16. Unit Availability Factor	0	88.02	83.07
17. Unit Capacity Factor (MDC net)	-1.17	85.29	73.75
18. Unit Capacity Factor (DER net)	-1.15	84.15	72.76
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: 1 (B1R07)			
22. If Shutdown at End of Report Period, Estimated Date of Startup: 12/24/95			
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: 12/11/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: November, 1995

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1.	<u> -12 MW </u>	16.	<u> -12 MW </u>
2.	<u> -12 MW </u>	17.	<u> -13 MW </u>
3.	<u> -12 MW </u>	18.	<u> -13 MW </u>
4.	<u> -13 MW </u>	19.	<u> -13 MW </u>
5.	<u> -12 MW </u>	20.	<u> -13 MW </u>
6.	<u> -12 MW </u>	21.	<u> -13 MW </u>
7.	<u> -13 MW </u>	22.	<u> -13 MW </u>
8.	<u> -13 MW </u>	23.	<u> -13 MW </u>
9.	<u> -12 MW </u>	24.	<u> -13 MW </u>
10.	<u> -12 MW </u>	25.	<u> -13 MW </u>
11.	<u> -12 MW </u>	26.	<u> -13 MW </u>
12.	<u> -13 MW </u>	27.	<u> -13 MW </u>
13.	<u> -12 MW </u>	28.	<u> -13 MW </u>
14.	<u> -13 MW </u>	29.	<u> -13 MW </u>
15.	<u> -12 MW </u>	30.	<u> -13 MW </u>
		31.	<u> </u>

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: November 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

<u>No.</u>	<u>Date</u>	<u>Type</u>	<u>Hours</u>	<u>Reason</u>	<u>Method</u>	<u>LER Number</u>	<u>System</u>	<u>Component</u>	<u>Cause & Corrective Action to Prevent Recurrence</u>
9	10/22/95	S	720	B	4			S/G	CONTINUE B1P02

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
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 1) for the month of November, 1995

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: N/A

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, November 1, 1995 through November 30, 1995. 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>
LER 454:95-008	11/09/95	Fuel Transfer Tube Flange Plugs Were Found Installed
LER 454:95-010	11/13/95	WGDT Sample Not Representative Due To Failed Valve
LER 454:95-011	11/07/95	ENS Notification on Unit 1 Steam Generator Tube Inspection Results

II. Monthly Report for Byron UNIT 2 for the month of November, 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: 12/11/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: November, 1995. Gross Hours: 720
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.	720	8,016	72,577
6. Rx Critical Hours	720	6,995.5	63,510.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	720	6,966.9	62,876.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,423,294	22,518,318	187,502,216
11. Gross Elec. Energy (MWH)	833,882	7,712,249	63,846,433
12. Net Elec. Energy (MWH)	804,540	7,359,932	60,647,329
13. Reactor Service Factor	100	87.27	87.51
14. Reactor Availability Factor	100	87.27	87.51
15. Unit Service Factor	100	86.91	86.63
16. Unit Availability Factor	100	86.91	86.63
17. Unit Capacity Factor (MDC net)	101.12	83.09	75.62
18. Unit Capacity Factor (DER net)	99.77	81.98	74.61
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.18
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: 12/11/95
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

MONTH: November, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	1127 MW	16.	1133 MW
2.	1128 MW	17.	1131 MW
3.	1009 MW	18.	1128 MW
4.	1022 MW	19.	1119 MW
5.	1128 MW	20.	1116 MW
6.	1130 MW	21.	1124 MW
7.	1134 MW	22.	1125 MW
8.	1135 MW	23.	1128 MW
9.	1128 MW	24.	1128 MW
10.	1125 MW	25.	1122 MW
11.	1139 MW	26.	1085 MW
12.	1137 MW	27.	1113 MW
13.	1062 MW	28.	1130 MW
14.	1138 MW	29.	1129 MW
15.	1136 MW	30.	1119 MW
		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: November, 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

* BYRON *

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

NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT TWO

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
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
	C-Refueling	4-Continued	Data Entry Sheet
	D-Regulatory Restriction	5-Reduced Load	Licensee Event Report
	E-Operator Training	9-Other	(LER) File (NUREG-0161)
	& License Examination		

E. UNIQUE REPORTING REQUIREMENTS (UNIT 2) for the month of November, 1995

1. Safety/Relief valve operations for Unit Two.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & 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 = $3.7 \text{ E-5 } \mu\text{Ci/CC}$

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, November 1, 1995 through November 30, 1995. 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		