

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



January 9, 1996

LTR: BYRON 96-0010
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 December 1 through December 31, 1995.

Sincerely,

A handwritten signature in cursive script, appearing to read "K. L. Kofron".

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 December, 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: 01/09/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: December, 1995 Gross Hours: 744
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.	744	8,760	90,217
6. Rx Critical Hours	178.1	7,234	75,219.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	173.9	7,229.4	74,499.6
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	468,985	23,721,966	227,764,955
11. Gross Elec. Energy (MWH)	157,668	8,077,976	77,056,258
12. Net Elec. Energy (MWH)	142,399	7,697,231	73,052,460
13. Reactor Service Factor	23.94	82.58	83.38
14. Reactor Availability Factor	23.94	82.58	83.42
15. Unit Service Factor	23.37	82.53	82.58
16. Unit Availability Factor	23.37	82.53	82.58
17. Unit Capacity Factor (MDC net)	17.32	79.52	73.28
18. Unit Capacity Factor (DER net)	17.09	78.45	72.30
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.35
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: 01/09/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

MONTH: December, 1995

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1.	_____ -13 MW _____	16.	_____ -13 MW _____
2.	_____ -13 MW _____	17.	_____ -13 MW _____
3.	_____ -13 MW _____	18.	_____ -13 MW _____
4.	_____ -13 MW _____	19.	_____ -13 MW _____
5.	_____ -13 MW _____	20.	_____ -13 MW _____
6.	_____ -13 MW _____	21.	_____ -13 MW _____
7.	_____ -13 MW _____	22.	_____ -13 MW _____
8.	_____ -13 MW _____	23.	_____ -14 MW _____
9.	_____ -13 MW _____	24.	_____ 36 MW _____
10.	_____ -13 MW _____	25.	_____ 322 MW _____
11.	_____ -13 MW _____	26.	_____ 568 MW _____
12.	_____ -13 MW _____	27.	_____ 1053 MW _____
13.	_____ -13 MW _____	28.	_____ 1062 MW _____
14.	_____ -13 MW _____	29.	_____ 1060 MW _____
15.	_____ -13 MW _____	30.	_____ 1065 MW _____
		31.	_____ 1064 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: December 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>
10	12/24/95	S	570:13	B	4			S/G	B1P02 Ended 12/24/95 at 18:13 Hours

* 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 December, 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, December 1, 1995 through December 31, 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		

II. Monthly Report for Byron UNIT 2 for the month of December, 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: 01/09/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: December, 1995. Gross Hours: 744
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.	744	8,760	73,321
6. Rx Critical Hours	744	7,739.5	64,254.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	744	7,710.9	63,620.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,498,987	25,017,305	190,001,203
11. Gross Elec. Energy (MWH)	859,232	8,571,481	64,705,665
12. Net Elec. Energy (MWH)	823,838	8,183,770	61,471,167
13. Reactor Service Factor	100	88.35	87.64
14. Reactor Availability Factor	100	88.35	87.64
15. Unit Service Factor	100	88.02	86.77
16. Unit Availability Factor	100	88.02	86.77
17. Unit Capacity Factor (MDC net)	100.21	84.54	75.87
18. Unit Capacity Factor (DER net)	98.87	83.41	74.86
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.15
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: 01/09/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: December, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. _____	1101 MW	16. _____	1127 MW
2. _____	1116 MW	17. _____	1120 MW
3. _____	1116 MW	18. _____	1063 MW
4. _____	1123 MW	19. _____	1129 MW
5. _____	1123 MW	20. _____	1127 MW
6. _____	1130 MW	21. _____	1124 MW
7. _____	1131 MW	22. _____	1115 MW
8. _____	1131 MW	23. _____	1108 MW
9. _____	1124 MW	24. _____	1113 MW
10. _____	1117 MW	25. _____	931 MW
11. _____	1115 MW	26. _____	1044 MW
12. _____	1111 MW	27. _____	1125 MW
13. _____	1118 MW	28. _____	1123 MW
14. _____	1118 MW	29. _____	1121 MW
15. _____	1122 MW	30. _____	1120 MW
		31. _____	1026 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: December, 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 IN DECEMBER

* 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	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	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 December, 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 = 1.8 E-5 μ 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, December 1, 1995 through December 31, 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		