

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

ComEd

February 5, 1996

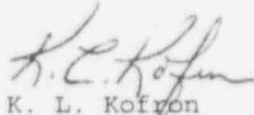
LTR: BYRON 96-0032
FILE: 2.7.200

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 January 1 through January 31, 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 January, 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: 02/05/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: January, 1996 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	744	90,961
6. Rx Critical Hours	744	744	75,963.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	744	744	75,243.6
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,430,116	2,430,116	230,195,071
11. Gross Elec. Energy (MWH)	830,356	830,356	77,886,614
12. Net Elec. Energy (MWH)	793,454	793,454	73,845,914
13. Reactor Service Factor	100	100	83.51
14. Reactor Availability Factor	100	100	83.55
15. Unit Service Factor	100	100	82.72
16. Unit Availability Factor	100	100	82.72
17. Unit Capacity Factor (MDC net)	96.51	96.51	73.47
18. Unit Capacity Factor (DER net)	95.22	95.22	72.49
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.33
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: 02/05/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

MONTH: January, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)		
1.	1063 MW	16.	1069 MW
2.	1068 MW	17.	1031 MW
3.	1070 MW	18.	1061 MW
4.	1067 MW	19.	1077 MW
5.	1069 MW	20.	1070 MW
6.	1065 MW	21.	1073 MW
7.	1064 MW	22.	1072 MW
8.	1059 MW	23.	1076 MW
9.	1059 MW	24.	1082 MW
10.	1077 MW	25.	1077 MW
11.	1073 MW	26.	1076 MW
12.	1071 MW	27.	1081 MW
13.	1014 MW	28.	1072 MW
14.	1014 MW	29.	1076 MW
15.	1080 MW	30.	1058 MW
		31.	1081 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: January 1996

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

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

NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT ONE IN JANUARY

* 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 January, 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 = 2.0 E-4 μ 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, January 1, 1996 through January 31, 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		

II. Monthly Report for Byron UNIT 2 for the month of January, 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: 02/05/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: January, 1996. 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	744	74,065
6. Rx Critical Hours	744	744	64,998.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	744	744	64,364.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,524,034	2,524,034	192,525,237
11. Gross Elec. Energy (MWH)	870,577	870,577	65,576,242
12. Net Elec. Energy (MWH)	833,032	833,032	62,304,199
13. Reactor Service Factor	100	100	87.76
14. Reactor Availability Factor	100	100	87.76
15. Unit Service Factor	100	100	86.90
16. Unit Availability Factor	100	100	86.90
17. Unit Capacity Factor (MDC net)	101.33	101.33	76.13
18. Unit Capacity Factor (DER net)	99.97	99.97	75.11
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.13
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: 02/05/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

MONTH: January, 1996

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1.	1080 MW	16.	1120 MW
2.	1127 MW	17.	1115 MW
3.	1128 MW	18.	1113 MW
4.	1126 MW	19.	1123 MW
5.	1127 MW	20.	1120 MW
6.	1125 MW	21.	1122 MW
7.	1124 MW	22.	1120 MW
8.	1119 MW	23.	1124 MW
9.	1116 MW	24.	1127 MW
10.	1122 MW	25.	1122 MW
11.	1121 MW	26.	1120 MW
12.	1120 MW	27.	1124 MW
13.	1118 MW	28.	1123 MW
14.	1114 MW	29.	1129 MW
15.	1059 MW	30.	1133 MW
		31.	1132 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: January, 1996

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 JANUARY

* 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 2) for the month of January, 1996

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>
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None

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = 2.2 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, January 1, 1996 through January 31, 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		

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