

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



June 7, 1995

LTR: BYRON 95-0200
FILE: 2.7.200

Director, Office of Management Information
and Program Control
United States Nuclear Regulatory Commission
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the Monthly Performance Report
covering Byron Nuclear Power Station for the period
May 1 through May 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/rp

cc: J.B. Martin, 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 May 1995

A. Summary of Operating Experience for Unit 1

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

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 06/07/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: May, 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	3,623	85,080
6. Rx Critical Hours	744	3,623	71,608.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	744	3,623	70,893.2
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,457,445	11,923,748	215,966,737
11. Gross Elec. Energy (MWH)	841,075	4,082,279	73,060,561
12. Net Elec. Energy (MWH)	804,172	3,902,693	69,257,922
13. Reactor Service Factor	100	100	84.17
14. Reactor Availability Factor	100	100	84.21
15. Unit Service Factor	100	100	83.33
16. Unit Availability Factor	100	100	83.33
17. Unit Capacity Factor (MDC net)	97.82	97.48	73.67
18. Unit Capacity Factor (DER net)	96.51	96.18	72.68
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.47
21. Shutdowns Scheduled Over Next 6 Months: 1 (B1P02)			
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

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 06/07/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: May, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1107 MW	16. 613 MW
2. 1107 MW	17. 1095 MW
3. 1106 MW	18. 1098 MW
4. 1106 MW	19. 1091 MW
5. 1102 MW	20. 1094 MW
6. 1103 MW	21. 1096 MW
7. 1071 MW	22. 1087 MW
8. 1096 MW	23. 1091 MW
9. 1098 MW	24. 1099 MW
10. 1103 MW	25. 1099 MW
11. 1101 MW	26. 1097 MW
12. 1098 MW	27. 1094 MW
13. 1092 MW	28. 1090 MW
14. 1092 MW	29. 1095 MW
15. 1091 MW	30. 1089 MW
	31. 1088 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: May, 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
3	05/16/95	F	12	A	5		FW CV	Valves	Reduced Load To Repair A Leaking Pipe Cap On 1FW090A And Leaking Valve 1CV222.

* Summary *

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 1) for the month of May, 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. Licenses generated changes to ODCM.

None

3. Indications of failed fuel.

Yes. Fuel Reliability Indicator: FRI = $4.4 \text{ E-4 } \mu\text{Ci/CC}$

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, May 1, 1995 through May 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>
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None

B. OPERATING DATA REPORT

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 06/07/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: May, 1995. Gross Hours: 744
2. Currently Authorized Power Level: 3411 (MWt)
Design Electrical Rating: 1175 (MWe-gross)
Design Electrical Rating: 1175 (MWe-net)
Max Dependable Capacity: 1175 (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	3,623	68,184
6. Rx Critical Hours	744	2,602.5	59,117.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	744	2,573.9	58,483.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,503,149	7,856,179	172,840,077
11. Gross Elec. Energy (MWH)	861,489	2,701,565	58,835,749
12. Net Elec. Energy (MWH)	824,285	2,562,187	55,849,584
13. Reactor Service Factor	100	71.83	86.70
14. Reactor Availability Factor	100	71.83	86.70
15. Unit Service Factor	100	71.04	85.77
16. Unit Availability Factor	100	71.04	85.77
17. Unit Capacity Factor (MDC net)	100.26	64.00	74.13
18. Unit Capacity Factor (DER net)	98.92	63.14	73.13
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.34
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.

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

A. Summary of Operating Experience for Unit 2

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

C. AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 06/07/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: May, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1121 MW	16. 1084 MW
2. 1120 MW	17. 1122 MW
3. 1118 MW	18. 1126 MW
4. 1119 MW	19. 1120 MW
5. 1117 MW	20. 1067 MW
6. 1117 MW	21. 1021 MW
7. 1117 MW	22. 1060 MW
8. 1119 MW	23. 1116 MW
9. 1111 MW	24. 1120 MW
10. 1102 MW	25. 1118 MW
11. 1124 MW	26. 1121 MW
12. 1115 MW	27. 1118 MW
13. 1109 MW	28. 1113 MW
14. 1066 MW	29. 1117 MW
15. 1120 MW	30. 1104 MW
	31. 1110 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: May, 1995

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

* 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 May 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>
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None

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $4.5 \text{ E-5 } \mu\text{Ci/CC}$

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, May 1, 1995 through May 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>
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None