

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



July 11, 1996

LTR: BYRON 96-0197
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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
June 1 through June 30, 1996.

Sincerely,

M Snow for
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 June, 1996

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: 07/10/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: June, 1996 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	4,367	94,584
6. Rx Critical Hours	6.2	2,288.5	77,507.8
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	0	2,282.1	76,781.7
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	0	7,519,181.8	235,284,136.8
11. Gross Elec. Energy (MWH)	0	2,563,845	79,620,103
12. Net Elec. Energy (MWH)	-9,525	2,421,755	75,474,215
13. Reactor Service Factor	0.86	52.40	81.95
14. Reactor Availability Factor	0.86	52.40	81.99
15. Unit Service Factor	0	52.26	81.18
16. Unit Availability Factor	0	52.26	81.18
17. Unit Capacity Factor (MDC net)	-1.20	50.19	72.21
18. Unit Capacity Factor (DER net)	-1.18	49.51	71.25
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.28
21. Shutdowns Scheduled Over Next 6 Months:	None		
22. If Shutdown at End of Report Period, Estimated Date of Startup:	7/03/96		
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: 07/10/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: June, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. _____ -13 MW	16. _____ -12 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. _____ -12 MW	24. _____ -14 MW
10. _____ -12 MW	25. _____ -14 MW
11. _____ -13 MW	26. _____ -14 MW
12. _____ -13 MW	27. _____ -14 MW
13. _____ -13 MW	28. _____ -14 MW
14. _____ -13 MW	29. _____ -14 MW
15. _____ -12 MW	30. _____ -14 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: June 1996

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>
3	6/01/96	S	720	C	4				Continue B1R07

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>	
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 June, 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.

No. 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, June 1, 1996 through June 30, 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>
454-180-96-0010	06/25/96	Manual Reactor Trip Due To Rod Control System Problems.

II. Monthly Report for Byron UNIT 2 for the month of June, 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: 07/10/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: June, 1996. 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	4,367	77,688
6. Rx Critical Hours	720	4,208.5	68,463.4
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	720	4,204.1	67,824.8
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,445,046	14,193,706.6	204,194,909.6
11. Gross Elec. Energy (MWH)	833,358	4,878,508	69,584,173
12. Net Elec. Energy (MWH)	798,242	4,677,348	66,148,515
13. Reactor Service Factor	100	96.37	88.13
14. Reactor Availability Factor	100	96.37	88.13
15. Unit Service Factor	100	96.27	87.30
16. Unit Availability Factor	100	96.27	87.30
17. Unit Capacity Factor (MDC net)	100.33	96.93	77.06
18. Unit Capacity Factor (DER net)	98.99	95.63	76.02
19. Unit Forced Outage Hrs.	0	162.9	1,562.1
20. Unit Forced Outage Rate	0	3.73	2.25
21. Shutdowns Scheduled Over Next 6 Months: 1 (B2R06)			
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: 07/10/96
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: June, 1996

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. _____ 1110 MW	16. _____ 1070 MW
2. _____ 1115 MW	17. _____ 1108 MW
3. _____ 1121 MW	18. _____ 1109 MW
4. _____ 1126 MW	19. _____ 1112 MW
5. _____ 1124 MW	20. _____ 1110 MW
6. _____ 1118 MW	21. _____ 1101 MW
7. _____ 1126 MW	22. _____ 1100 MW
8. _____ 1134 MW	23. _____ 1101 MW
9. _____ 1133 MW	24. _____ 1094 MW
10. _____ 1127 MW	25. _____ 1097 MW
11. _____ 1121 MW	26. _____ 1096 MW
12. _____ 1118 MW	27. _____ 1090 MW
13. _____ 1109 MW	28. _____ 1085 MW
14. _____ 1113 MW	29. _____ 1080 MW
15. _____ 1113 MW	30. _____ 1086 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: June, 1996

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 FOR UNIT TWO IN JUNE

* Summary *

TYPE	Reason	Method	System & Component
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 June, 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>
None				

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $2.4 \text{ E-5 } \mu\text{Ci/CC}$

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, June 1, 1996 through June 30, 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		