



Commonwealth Edison
Byron Nuclear Station
4450 North German Church Road
Byron, Illinois 61010

November 3, 1994

LTR: BYRON 94-0437
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
October 1 through October 31, 1994.

Sincerely,


G. K. Schwartz
Station Manager
Byron Nuclear Power Station

GKS/RC/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
D.R. Eggett, Station Nuclear Engineering
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 October 1994

A. Summary of Operating Experience for Unit 1

The Unit began this reporting period in Mode 6 (Refueling Operations).

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 11/03/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: October, 1994. Gross Hours: 745
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.	745	6,551	79,248
6. Rx Critical Hours	0	6,000.4	66,810.9
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	0	5,999.6	66,131.7
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	0	18,241,053	201,302,152
11. Gross Elec. Energy (MWH)	0	6,245,959	68,064,504
12. Net Elec. Energy (MWH)	-9,660	5,943,091	64,497,426
13. Reactor Service Factor	0	91.60	84.31
14. Reactor Availability Factor	0	91.60	84.35
15. Unit Service Factor	0	91.58	83.45
16. Unit Availability Factor	0	91.58	83.45
17. Unit Capacity Factor (MDC net)	0	81.98	73.65
18. Unit Capacity Factor (DER net)	0	80.88	72.67
19. Unit Forced Outage Hrs.	0	0	1,498.2
20. Unit Forced Outage Rate	0	0	2.22
21. Shutdowns Scheduled Over Next 6 Months:	0	0	0
22. If Shutdown at End of Report Period, Estimated Date of Startup:			11/01/94
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: 11/03/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

MONTH: October, 1994

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1. _____	-12 MW	16. _____	-12 MW
2. _____	-12 MW	17. _____	-13 MW
3. _____	-12 MW	18. _____	-13 MW
4. _____	-12 MW	19. _____	-12 MW
5. _____	-12 MW	20. _____	-13 MW
6. _____	-12 MW	21. _____	-13 MW
7. _____	-12 MW	22. _____	-13 MW
8. _____	-12 MW	23. _____	-13 MW
9. _____	-12 MW	24. _____	-13 MW
10. _____	-13 MW	25. _____	-13 MW
11. _____	-13 MW	26. _____	-13 MW
12. _____	-12 MW	27. _____	-14 MW
13. _____	-12 MW	28. _____	-14 MW
14. _____	-12 MW	29. _____	-14 MW
15. _____	-12 MW	30. _____	-14 MW
		31. _____	-14 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: October, 1994

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>
5	10/01/94	S	744	C	4				B1R06

* 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 October, 1994

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>
10-29-94			S/U	1B S/G PORV

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = 0 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, October 1, 1994 through October 31, 1994. 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: 94-012	10/06/94	Steam Generator Tube Degradation.
454: 94-013	10/10/94	Breaker Found In Wrong Position.
454: 94-014	09/15/94	Diesel Generator Operability Concern In Mode 5.
454: 94-015	10/14/94	Shift Foreman Left MCR During SCRE Duty.

C. AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 11/03/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

MONTH: October, 1994

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1. _____	1120 MW	16. _____	1117 MW
2. _____	1090 MW	17. _____	1112 MW
3. _____	1122 MW	18. _____	1113 MW
4. _____	1121 MW	19. _____	1116 MW
5. _____	1122 MW	20. _____	1120 MW
6. _____	1116 MW	21. _____	1113 MW
7. _____	1117 MW	22. _____	1115 MW
8. _____	1127 MW	23. _____	1120 MW
9. _____	1126 MW	24. _____	1120 MW
10. _____	1117 MW	25. _____	1121 MW
11. _____	1122 MW	26. _____	1110 MW
12. _____	1126 MW	27. _____	1098 MW
13. _____	1126 MW	28. _____	1097 MW
14. _____	1120 MW	29. _____	1099 MW
15. _____	1120 MW	30. _____	971 MW
		31. _____	1100 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.

B. OPERATING DATA REPORT

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 11/03/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: October, 1994. Gross Hours: 745
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.	745	7,296	63,597
6. Rx Critical Hours	745	7,245.5	55,051.4
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	745	7,240.2	54,445.8
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,489,426	24,014,546	160,086,473
11. Gross Elec. Energy (MWH)	860,886	8,261,347	54,444,621
12. Net Elec. Energy (MWH)	827,767	7,897,011	51,680,238
13. Reactor Service Factor	100	99.31	87.25
14. Reactor Availability Factor	100	99.31	87.25
15. Unit Service Factor	100	99.24	86.29
16. Unit Availability Factor	100	99.24	86.29
17. Unit Capacity Factor (MDC net)	100.55	97.95	74.12
18. Unit Capacity Factor (DER net)	99.21	96.64	73.13
19. Unit Forced Outage Hrs.	0	55.80	1,399.2
20. Unit Forced Outage Rate	0	0.76	2.51
21. Shutdowns Scheduled Over Next 6 Months: 1 (B2R05)			
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.

Report Period: October, 1994

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 IN OCTOBER

* 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		

II. Monthly Report for Byron UNIT 2 for the month of October 1994

A. Summary of Operating Experience for Unit 2

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

E. UNIQUE REPORTING REQUIREMENTS (UNIT 2) for the month of October 1994

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 = $3.15 \text{ E-5 } \mu\text{Ci/CC}$

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, October 1, 1994 through October 31, 1994. 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