



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

December 12, 1994

LTR: BYRON 94-0482
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
November 1 through November 30, 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
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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 November 1994

A. Summary of Operating Experience for Unit 1

The Unit began this reporting period in Mode 2 (Startup).

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 12/12/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5
x2282

OPERATING STATUS

1. Reporting Period: November, 1994. 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	7,271	79,968
6. Rx Critical Hours	720	6,720.4	67,530.9
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	690.8	6,690.4	66,822.5
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	1,872,192	20,113,245	203,174,344
11. Gross Elec. Energy (MWH)	632,684	6,878,643	68,697,188
12. Net Elec. Energy (MWH)	599,532	6,533,623	65,096,958
13. Reactor Service Factor	100	92.43	84.45
14. Reactor Availability Factor	100	92.43	84.49
15. Unit Service Factor	95.94	92.01	83.56
16. Unit Availability Factor	95.94	92.01	83.56
17. Unit Capacity Factor (MDC net)	75.36	81.32	73.67
18. Unit Capacity Factor (DER net)	74.35	80.23	72.68
19. Unit Forced Outage i. . .	0	0	1,493.2
20. Unit Forced Outage Rate	0	0	2.19
21. Shutdowns Scheduled Over Next 6 Months: None			
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: 12/12/94
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

MONTH: November, 1994

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. _____	-14 MW	16. _____	1068 MW
2. _____	152 MW	17. _____	1073 MW
3. _____	228 MW	18. _____	1068 MW
4. _____	229 MW	19. _____	1082 MW
5. _____	234 MW	20. _____	1075 MW
6. _____	420 MW	21. _____	1076 MW
7. _____	447 MW	22. _____	1086 MW
8. _____	602 MW	23. _____	1084 MW
9. _____	652 MW	24. _____	875 MW
10. _____	864 MW	25. _____	1013 MW
11. _____	1068 MW	26. _____	1068 MW
12. _____	1065 MW	27. _____	1019 MW
13. _____	1053 MW	28. _____	1079 MW
14. _____	1058 MW	29. _____	1084 MW
15. _____	1069 MW	30. _____	1088 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: November, 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	11/02/94	S	29:11	C	4				B1R06 Ended
6	11/24/94	C		H	5				Reduced Load Per B.P.O.

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	F-Admin	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	Instructions for
	C-Refueling	H-Other	Preparation of
	D-Regulatory Restriction		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 November, 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>
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None

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $3.8 \text{ E-5 } \mu\text{Ci/CC}$

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, November 1, 1994 through November 30, 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

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

A. Summary of Operating Experience for Unit 2

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

B. OPERATING DATA REPORT

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 12/12/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: November, 1994. 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	8,016	63,817
6. Rx Critical Hours	720	7,965.5	55,771.4
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	720	7,960.2	55,165.8
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,394,467	26,409,013	162,480,940
11. Gross Elec. Energy (MWH)	824,799	9,086,146	55,269,420
12. Net Elec. Energy (MWH)	786,494	8,683,505	52,466,732
13. Reactor Service Factor	100	99.37	87.39
14. Reactor Availability Factor	100	99.37	87.39
15. Unit Service Factor	100	99.30	86.44
16. Unit Availability Factor	100	99.30	86.44
17. Unit Capacity Factor (MDC net)	98.86	98.03	74.40
18. Unit Capacity Factor (DER net)	97.53	96.72	73.41
19. Unit Forced Outage Hrs.	0	55.80	1,399.2
20. Unit Forced Outage Rate	0	0.70	2.47
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.

C. AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 12/12/94
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

MONTH: November, 1994

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1100 MW	16. 1107 MW
2. 1101 MW	17. 1102 MW
3. 1093 MW	18. 1102 MW
4. 1096 MW	19. 1108 MW
5. 1104 MW	20. 1076 MW
6. 1107 MW	21. 1060 MW
7. 1104 MW	22. 1116 MW
8. 1099 MW	23. 1113 MW
9. 1103 MW	24. 943 MW
10. 1108 MW	25. 992 MW
11. 1108 MW	26. 1073 MW
12. 1105 MW	27. 1106 MW
13. 1094 MW	28. 1113 MW
14. 1096 MW	29. 1116 MW
15. 1098 MW	30. 1115 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: November, 1994

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

* 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 November 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>
None				

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $3.7 \text{ E-5 } \mu\text{Ci/CC}$

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, November 1, 1994 through November 30, 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>
None		