



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

July 8, 1994

LTR: BYRON 94-0251
FILE: 2.7.200 (1.10.0101)

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 June 1 through
June 30, 1994.

Sincerely,

G. K. Schwartz
Station Manager
Byron Nuclear Power Station

GKS/RC/mn

cc:
J.B. Martin, NRC, Region III
NRC Resident Inspector Byron
IL Dept. of Nuclear Safety
Nuclear Licensing 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.

JE24

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 1994

A. Summary of Operating Experience for Unit 1

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

The power level varied due to load following requirements.

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 07/08/94
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: June, 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	4,343	77,040
6. Rx Critical Hours	720	4,343	65,153.5
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	720	4,343	64,475.1
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,406,999	14,542,143	197,603,242
11. Gross Elec. Energy (MWH)	820,312	4,993,782	66,812,327
12. Net Elec. Energy (MWH)	783,872	4,775,248	63,338,583
13. Reactor Service Factor	100	100	84.57
14. Reactor Availability Factor	100	100	84.62
15. Unit Service Factor	100	100	83.69
16. Unit Availability Factor	100	100	83.69
17. Unit Capacity Factor (MDC net)	98.53	99.50	74.40
18. Unit Capacity Factor (DER net)	97.21	98.17	73.41
19. Unit Forced Outage Hrs.	0	0	1,498.2
20. Unit Forced Outage Rate	0	0	2.27
21. Shutdowns Scheduled Over Next 6 Months: 1 (B1R06)			
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: 07/08/94
 COMPILED BY: R. Colglazier
 TELEPHONE: (815)234-5441
 x2282

MONTH: June, 1994

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1. 1112 MW	16. 1087 MW
2. 1119 MW	17. 1088 MW
3. 1117 MW	18. 1088 MW
4. 1104 MW	19. 1091 MW
5. 1091 MW	20. 1090 MW
6. 1088 MW	21. 1088 MW
7. 1104 MW	22. 1092 MW
8. 1118 MW	23. 1099 MW
9. 1117 MW	24. 1099 MW
10. 1093 MW	25. 1084 MW
11. 1047 MW	26. 1077 MW
12. 1100 MW	27. 1068 MW
13. 1093 MW	28. 1052 MW
14. 1084 MW	29. 1041 MW
15. 1084 MW	30. 1032 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, 1994

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	06/24/94	S		H	9				Unit One Began It's Coastdown to B1R06

* 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 June, 1994

1. Safety/Relief valve operations for Unit One.

DATE	VALVES ACTUATED	NO & TYPE ACTUATION	PLANT CONDITION	DESCRIPTION OF EVENT
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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, June 1, 1994 through June 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 June 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: 07/08/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: June, 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	4,343	60,144
6. Rx Critical Hours	720	4,343	52,148.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	720	4,343	51,548.6
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,413,890	14,495,946	150,567,873
11. Gross Elec. Energy (MWH)	826,224	4,991,565	51,174,839
12. Net Elec. Energy (MWH)	789,910	4,774,762	48,557,989
13. Reactor Service Factor	100	100	86.71
14. Reactor Availability Factor	100	100	86.71
15. Unit Service Factor	100	100	85.71
16. Unit Availability Factor	100	100	85.71
17. Unit Capacity Factor (MDC net)	99.28	99.49	73.06
18. Unit Capacity Factor (DER net)	97.96	98.16	72.09
19. Unit Forced Outage Hrs.	0	0	1,343.4
20. Unit Forced Outage Rate	0	0	2.54
21. Shutdowns Scheduled Over Next 6 Months:	0		
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: 07/08/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

MONTH: June, 1994

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1115 MW	16. 1092 MW
2. 1121 MW	17. 1093 MW
3. 1119 MW	18. 1091 MW
4. 1083 MW	19. 1086 MW
5. 1046 MW	20. 1042 MW
6. 1095 MW	21. 1097 MW
7. 1106 MW	22. 1103 MW
8. 1078 MW	23. 1107 MW
9. 1099 MW	24. 1106 MW
10. 1115 MW	25. 1102 MW
11. 1108 MW	26. 1103 MW
12. 1100 MW	27. 1107 MW
13. 1098 MW	28. 1102 MW
14. 1088 MW	29. 1105 MW
15. 1088 MW	30. 1104 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, 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	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	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-7161)

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

1. Safety/Relief valve operations for Unit Two.

DATE	VALVES ACTUATED	NO & TYPE ACTUATION	PLANT CONDITION	DESCRIPTION OF EVENT
None				

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $2.6 \text{ E-5 } \mu\text{Ci/CC}$

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, 1994 through June 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		