



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

July 6, 1993

LTR: BYRON 93-0346
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, 1993.

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
M.J. Wallace/R.L. Bax
Nuclear Licensing Manager
Nuclear Fuel Services, PWR Plant Support
D.R. Eggett, Station Nuclear Engineering
INPO Records Center
J.B. Hickman - 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 1993

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: 07/06/93
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: June, 1993. 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*
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* 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: 07/06/93
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

MONTH: June, 1993

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1.	1042 MW	16.	1018 MW
2.	1036 MW	17.	1041 MW
3.	1027 MW	18.	1047 MW
4.	1104 MW	19.	1046 MW
5.	1060 MW	20.	1006 MW
6.	993 MW	21.	1050 MW
7.	1004 MW	22.	1048 MW
8.	1021 MW	23.	1034 MW
9.	1091 MW	24.	1080 MW
10.	1092 MW	25.	1066 MW
11.	1052 MW	26.	998 MW
12.	1014 MW	27.	1076 MW
13.	988 MW	28.	1048 MW
14.	1078 MW	29.	1016 MW
15.	1015 MW	30.	1058 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, 1993

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>
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NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT ONE

* 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 1993

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>
				None

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

Fuel Reliability Indicator:

No 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, June 1, 1993 through June 30, 1993. 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		

II. Monthly Report for Byron UNIT 2 for the month of June 1993

A. Summary of Operating Experience for Unit 2

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.: 050-455
UNIT: Byron Two
DATE: 07/07/93
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: June, 1993. 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):

	THIS MONTH	YR TO DATE	CUMULATIVE*
5. Report Period Hrs.	720	4,343	51,384
6. Rx Critical Hours	720	4,305.2	44,640.8
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	720	4,268.1	44,073.4
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,341,733	13,832,938	126,583,395
11. Gross Elec. Energy (MWH)	800,348	4,732,141	42,948,079
12. Net Elec. Energy (MWH)	764,208	4,558,946	40,719,705
13. Reactor Service Factor	100	99.13	86.88
14. Reactor Availability Factor	100	99.13	86.88
15. Unit Service Factor	100	98.28	85.77
16. Unit Availability Factor	100	98.28	85.77
17. Unit Capacity Factor (MDC net)	96.05	95.00	71.72
18. Unit Capacity Factor (DER net)	94.77	93.73	70.76
19. Unit Forced Outage Hrs.	0	74.90	1318.9
20. Unit Forced Outage Rate	0	1.72	2.91
21. Shutdowns Scheduled Over Next 6 Months:	1	B2R04 09/03/93	
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.: 050-455
UNIT: Byron Two
DATE: 07/07/93
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

MONTH: June, 1993

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	1038 MW	16.	1093 MW
2.	1088 MW	17.	1078 MW
3.	1091 MW	18.	1047 MW
4.	1093 MW	19.	1016 MW
5.	1064 MW	20.	1021 MW
6.	1029 MW	21.	1048 MW
7.	1060 MW	22.	1079 MW
8.	1018 MW	23.	1043 MW
9.	1039 MW	24.	1083 MW
10.	1052 MW	25.	1091 MW
11.	1047 MW	26.	1090 MW
12.	977 MW	27.	1088 MW
13.	987 MW	28.	1096 MW
14.	1077 MW	29.	1099 MW
15.	1099 MW	30.	1098 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, 1993

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 June 1993

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 = $3.5E-5$ μ 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, 1993 through June 30, 1993. 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		