

BYRON NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-454

LICENSE NO. NPF-37

8605210397 860430  
PDR ADOCK 05000454  
R PDR

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I. Monthly Report for Byron Unit 1

A. Summary of Operating Experience for Unit 1

The Unit was at power for the entire reporting period.

## B. OPERATING DATA REPORT

DOCKET NO.: 050-454  
UNIT: Byron One  
DATE: 5/9/86  
COMPILED BY: J.E. Langan  
TELEPHONE: (815)234-5441  
x2825

### OPERATING STATUS

1. Reporting Period: April 1986. Gross Hours: 719
2. Currently Authorized Power Level (MWt): 3411  
Design Electrical Rating: 1175 (MWe-gross)  
Design Electrical Rating: 1120 (MWe-net)  
Max Dependable Capacity (MWe-net): NOT DETERMINED
3. Power Level to Which Restricted (If Any): 1152 (MWe-gross)
4. Reasons for Restriction (If Any): Not meeting minimum requirement on split feedwater flow.

	THIS MONTH	YR TO DATE	CUMULATIVE*
5. Report Period Hrs.	719	2879	5448
6. Rx Critical Hours	719	2497.1	4489.6
7. Rx Reserve Shutdown Hours	0	21.7	37.8
8. Hours Generator on Line	719	2452	3644.4
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2336975	7699718	11038910
11. Gross Elec. Energy (MWH)	794799	2590875	3679465
12. Net Elec. Energy (MWH)	756481	2450996	3463894
13. Reactor Service Factor	100	86.7	82.4
14. Reactor Availability Factor	100	87.5	83.1
15. Unit Service Factor	100	85.2	66.9
16. Unit Availability Factor	100	85.2	66.9
17. Unit Capacity Factor (MDC net)	N/A	N/A	N/A
18. Unit Capacity Factor (DER net)	93.9	76.0	56.8
19. Unit Forced Outage Hrs.	0	102.7	205.3
20. Unit Forced Outage Rate	0	4.0	5.3
21. Shutdowns Scheduled Over Next 6 Months:	None.		
22. If Shutdown at End of Report Period, Estimated Date of Startup:	N/A		
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: 5/9/86  
COMPILED BY: J.E. Langan  
TELEPHONE: (815)234-5441  
x2825

MONTH: April, 1986

## DAY AVERAGE DAILY POWER LEVEL (MWe-Net)

1. 1070 MW	17. 1074 MW
2. 1060 MW	18. 1069 MW
3. 1070 MW	19. 1068 MW
4. 1080 MW	20. 1069 MW
5. 1064 MW	21. 1075 MW
6. 1080 MW	22. 1067 MW
7. 1062 MW	23. 1057 MW
8. 1073 MW	24. 1055 MW
9. 1068 MW	25. 1019 MW
10. 958 MW	26. 981 MW
11. 975 MW	27. 955 MW
12. 1054 MW	28. 1017 MW
13. 1069 MW	29. 1061 MW
14. 1073 MW	30. 1051 MW
15. 1088 MW	
16. 1080 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 April, 1986

UNIT SHUTDOWNS/REDUCTIONS

\*\*\*\*\*  
\* BYRON \*  
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No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
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\* Summary \*  
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30 days of power operations.

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
	C-Refueling	4-Continued	Data Entry Sheet
	H-Other	5-Reduced Load	Licensee Event Report
	D-Regulatory Restriction	9-Other	(LER) File (NUREG-0161)
	E-Operator Training		
	& License Examination		

E. UNIQUE REPORTING REQUIREMENTS

1. Safety/Relief valve operations for Unit One.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO &amp; TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
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None

2. Licensee generated changes to ODCM. (Y/N)

None

#### F. LICENSEE EVENT REPORTS

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit One, submitted during the reporting period, April 1 through April 30, 1986. 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>Date</u>	<u>Title of Occurrence</u>
86-002-01	4-9-86	Control Room Ventilation Actuation Due to Radiation Monitor OPR31J Iodine Channel Spike.
86-010-00	4-7-86	Control Room Ventilation Actuation Due to Shutdown of Radiation Monitor OPR34J Sample Pump.
86-011-00	4-14-86	Control Room Ventilation Actuation Due to High Vacuum Alarm on OPR34J Radiation Monitor.
86-012-00	4-22-86	Rod Position Indication Surveillance Not Performed Within Required Periodicity Due to Personnel Error.

May 9, 1986

LTR: BYRON 86-0464

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 April 1 through April 30, 1986.

Very truly yours,



R. E. Querio  
Station Manager  
Byron Nuclear Power Station

REQ/JEL/lr

Enclosures

cc: J.G. Keppler, NRC, Region III  
NRC Resident Inspector Byron  
Gary Wright, Ill. Dept. of Nuclear Safety  
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IE24