

BYRON NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-454

LICENSE NO. NPF-37

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PDR ADOCK 05000454  
R PDR

(0625M/62M)

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I. Monthly Report for Byron Unit 1

A. Summary of Operating Experience for Unit 1

The Unit was in a scheduled outage for the entire reporting period. The outage began on October 25th and has continued on schedule through November. Startup is planned for December 16, 1985.

## B. OPERATING DATA REPORT

DOCKET NO.: 050-454  
UNIT: Byron One  
DATE: 12/09/85  
COMPILED BY: J.E. Langan  
TELEPHONE: (815)234-5441  
x2825

### OPERATING STATUS

1. Reporting Period: November 1985. Gross Hours: 720
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): 1075 (MWe-gross)
4. Reasons for Restriction (If Any): Excessive S/G Moisture Carryover

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of Hours Reactor was Critical	0	953.5	953.5
6. Reactor Reserve Shutdown Hours	0	0	0
7. Hours Generator on Line	0	878.7	878.7
8. Unit Reserve Shutdown Hours	0	0	0
9. Gross Thermal Energy Generated (MWH)	0	2539701	2539701
10. Gross Elec. Energy Generated (MWH)	0	832508	832508
11. Net Elec. Energy Generated (MWH)	0	780512	780512
12. Reactor Service Factor	0	52.2	52.2
13. Reactor Availability Factor	0	52.2	52.2
14. Unit Service Factor	0	48.1	48.1
15. Unit Availability Factor	0	48.1	48.1
16. Unit Capacity Factor (Using MDC)	N/A	N/A	N/A
17. Unit Capacity Factor (Using Design MWe)	0	38.2	38.2
18. Unit Forced Outage Rate	0	9.0	9.0
19. Shutdowns Scheduled Over Next 6 Months (Scheduled outage is in progress.)			
20. If Shutdown at End of Report Period, Estimated Date of Startup: 12/16/85			
21. Units in Test Status (Prior to Commercial Operation): None			
22. Report Period Hours	720	1825	1825
23. Forced Outage Hours	0	86.5	86.5

	FORECAST	ACHIEVED
Initial Criticality	1-25-85	2-2-85
Initial Electricity		3-1-85
Commercial Operation		9-16-85

C. AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 050-454  
UNIT: Byron One  
DATE: 12/09/85  
COMPILED BY: J.E. Langan  
TELEPHONE: (815)234-5441  
x2825

MONTH: November, 1985

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1. _____	0	17. _____	0
2. _____	0	18. _____	0
3. _____	0	19. _____	0
4. _____	0	20. _____	0
5. _____	0	21. _____	0
6. _____	0	22. _____	0
7. _____	0	23. _____	0
8. _____	0	24. _____	0
9. _____	0	25. _____	0
10. _____	0	26. _____	0
11. _____	0	27. _____	0
12. _____	0	28. _____	0
13. _____	0	29. _____	0
14. _____	0	30. _____	0
15. _____	0		
16. _____	0		

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, 1985

UNIT SHUTDOWNS/REDUCTIONS

\*\*\*\*\*  
\* 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 &amp; Corrective Action to Prevent Recurrence</u>
5)	85/10/26	S	139.8	D	1	None	N/A	N/A	Scheduled outage for E.Q. Modifications and Steam Generator Modifications.

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\* Summary \*  
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The Unit continued in a 7 week outage beginning October 25, 1985.

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System &amp; 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		

(0625M)

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

#### 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, November 1 through November 30, 1985. 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>
85-061-01	11-26-85	Reactor Trip on Low Steam Generator Level due to Inadvertent Feed Pump Trip.
85-088-01	11-26-85	Auto Start of OB VC M/U Fan.
85-090-00	11-04-85	Unit 1 Reactor Trip on Low Flow While Venting Flow Transmitter.
85-091-00*	10-31-85*	Automatic Actuation of Auxiliary Building Charcoal Booster Fan due to Incorrectly Landed Relay.
85-092-00	11-15-85	Delayed Fire Watch due to Key Stuck in Vital Area Doorlock.
85-093-00	11-26-85	Weekly Battery Surveillance Performed Late Due to Personnel Error.
85-094-00	11-26-85	Automatic Actuation of VC Makeup Fan due to Iodine Detector Failure on Radiation Monitor OPR31J.

\* Inadvertently omitted from October report.

December 9, 1985  
LTR: BYRON 85-1538  
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, 1985.

Very truly yours,



R. E. Querio  
Station Manager  
Byron Nuclear Power Station

REQ/JEL/bb

Enclosures

cc: J.G. Keppler, NRC, Region III  
NRC Resident Inspector Byron  
Gary Wright, Ill. Dept. of Nuclear Safety  
D.P. Galle, CEC  
T. J. Maiman  
D.L. Farrar, CEC  
Nuclear Fuel Services, PWR Plant Support  
G. R. Benson, Revenue Requirements  
INPO Records Center  
Thermal Group, Tech Staff Byron Station  
Nuclear Group, Tech Staff Byron Station  
J. Langan