

BYRON NUCLEAR POWER STATION

UNIT 1

MONTHLY PERFORMANCE REPORT

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-454

LICENSE NO. NPF-37

(0625M)

8507310374 850630
PDR ADOCK 05000454
R PDR

I. Monthly Report for Byron Unit 1

A. Summary of Operating Experience for Unit 1

Byron Station's Unit 1 achieved significant objectives towards finishing the startup program by successfully completing the 75% and 90% Power Plateaus.

The Unit began this reporting period at 72% Reactor Power. The Reactor remained at power until June 24th when it tripped from an inadvertent feedwater pump trip which caused a low steam generator level. The Unit was returned to 98% power.

The reactor tripped on June 27th from overtemperature delta temperature signal caused by loss of two circulating water cooling pumps. The Unit remained shutdown through the end of the reporting period as part of a planned maintenance outage.

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
 UNIT: Byron One
 DATE: 7/11/85
 COMPILED BY: J.E. Langan
 TELEPHONE: (815)234-5441
 x2825

OPERATING STATUS

1. Reporting Period: June 1985 Gross Hours in Reporting Period: 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): 1175 (MWe-gross)
4. Reasons for Restriction (If Any): START UP TESTING PROGRAM

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of Hours Reactor was Critical	619.4	2501.3	2501.3
6. Reactor Reserve Shutdown Hours	0	0	0
7. Hours Generator on Line	610.5	1921.6	1921.6
8. Unit Reserve Shutdown Hours	0	0	0
9. Gross Thermal Energy Generated (MWH)	1584137	3374248	3374248
10. Gross Elec. Energy Generated (MWH)	520682	1029949	1029949
11. Net Elec. Energy Generated (MWH)	484763	903690	903690
12. Reactor Service Factor	0	0	0
13. Reactor Availability Factor	0	0	0
14. Unit Service Factor	0	0	0
15. Unit Availability Factor	0	0	0
16. Unit Capacity Factor (Using MDC)	0	0	0
17. Unit Capacity Factor (Using Design MWe)	0	0	0
18. Unit Forced Outage Rate	0	0	0
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)	N/A		
20. If Shutdown at End of Report Period, Estimated Date of Startup:	July 7, 1985		
21. Units in Test Status (Prior to Commercial Operation):	Unit 1		

	FORECAST	ACHIEVED
Initial Criticality	<u>1-25-85</u>	<u>2-2-85</u>
Initial Electricity	<u> </u>	<u>3-1-85</u>
Commercial Operation	<u> </u>	<u> </u>

C. AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 7/11/85
COMPILED BY: J.E. Langan
TELEPHONE: (815)234-5441
x2825

MONTH: June, 1985

1. _____	763 MW	17. _____	781 MW
2. _____	757 MW	18. _____	795 MW
3. _____	771 MW	19. _____	962 MW
4. _____	776 MW	20. _____	967 MW
5. _____	773 MW	21. _____	962 MW
6. _____	768 MW	22. _____	960 MW
7. _____	765 MW	23. _____	1047 MW
8. _____	494 MW	24. _____	24 MW
9. _____	632 MW	25. _____	536 MW
10. _____	743 MW	26. _____	1060 MW
11. _____	593 MW	27. _____	690 MW
12. _____	754 MW	28. _____	0 MW
13. _____	703 MW	29. _____	0 MW
14. _____	608 MW	30. _____	0 MW
15. _____	769 MW		
16. _____	771 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 June 1985

UNIT SHUTDOWNS/REDUCTIONS

 * Byron 1 *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
18)	6/24/85	F	29.4	G	2	85-061			Operator hooked the FW pump overspeed test lever which tripped the pump while the Unit was at about 98%.
19)	6/27/85	F	80.2	A	3	85-062			The unit tripped from a high condenser back pressure, due to the trip of 2 out of 3 circulating water pumps, causing a Reactor Coolant overtemperature condition. The unit went into a scheduled 9 day outage following this trip as part of the start-up testing schedule.

 * Summary *

 Byron 1 completed the 75% and 90% Startup Test Sequences and is in the 100% test sequence.

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 & TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
6/27/85	Pressurizer Power Operated Relief Valve 1RY456	1	RX Trip from 98% Power	Valve relieved Reactor Coolant @ 2335 psig. See LER 85-62.

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, June 1 through June 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>
85-050-00	6-04-85	Failure to comply with Tech Spec 3/4.2.5
85-051-00	6-20-85	Reactor trip from turbine trip above P-7
85-052-00	6-21-85	(See 85-051)
85-053-00	6-24-85	Reactor trip on Lo-Lo Steam Generator Level
85-054-00	6-23-85	Reactor trip due to low lube oil reservoir
85-055-00	6-14-85	Inoperable containment floor drain isolation valves
85-056-00	6-14-85	Analyzed condition for Aux. Bldg. environment
85-057-00	6-27-85	Missed fire watches
85-058-00	6-18-85	Missed fire watches
85-059-00	6-16-85	Missed fire watches
85-053-01	6-27-85	Reactor trip due to Lo-Lo Steam Generator Level

July 11, 1985

LTR: BYRON 85-0993
File: 2.7.200

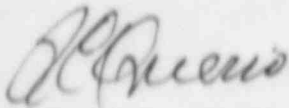
Director, Office of Management Information
and Program Control
United States Nuclear Regulatory Commission
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the Monthly Performance Report covering Byron Nuclear Power Station for the period June 1 through June 30, 1985.

Very truly yours,



R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/JEL/sbv

Enclosure

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