

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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(0625M)

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I. Monthly Report for Unit One

A. Summary of Operating Experience for Unit One

In this reporting period, February 1985, Byron Unit 1 achieved major milestones in the Start-up program.

On 2/02/85 the unit experienced initial criticality by dilution of the RCS. On 2/07/85 criticality was reached by withdrawing control rods. The station received its Full Power License on 2/12/85 followed by the issuance of the Full Power Technical Specification on 2/15/85.

All low power physics testing was completed 2/19/85. The unit entered Mode 1 on 2/24/85 and continued testing in preparation for synchronization of the generator onto the grid.

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 03/08/85
COMPILED BY: J.P. Toney
TELEPHONE: (815)234-5441
x437

OPERATING STATUS

1. Reporting Period: February 1985 Gross Hours in Reporting Period: 672
2. Currently Authorized Power Level (MWt): 3411
(MWe-Net): 1129 Design Electrical Rating (MWe-Net): 1175
3. Power Level to Which Restricted (If Any) (MWe-Net): 118
4. Reasons for Restriction (If Any): Start Up Testing Program

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of Hours Reactor was Critical	393.4	393.4	393.4
6. Reactor Reserve Shutdown Hours	0	0	0
7. Hours Generator on Line	0	0	0
8. Unit Reserve Shutdown Hours	0	0	0
9. Gross Thermal Energy Generated (MWH)	17579	17579	17579
10. Gross Elec. Energy Generated (MWH)	0	0	0
11. Net Elec. Energy Generated (MWH)	0	0	0
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:	N/A		
21. Units in Test Status (Prior to Commercial Operation):	Unit 1		

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

C. AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 03/08/85
COMPILED BY: J.P. Toney
TELEPHONE: (815)234-5441
x437

MONTH: February, 1985

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		
14. _____	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.

D. UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 03/08/85
COMPILED BY: J.P. Toney
TELEPHONE: (815)234-5441
x437

REPORT MONTH: February, 1985

NO.	DATE	TYPE	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED S: SCHEDULED				

N/A

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>
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NONE RECORDED IN THIS REPORTING PERIOD

F. LICENSEE EVENT REPORTS

The following is a tabular summary of all licensee event reports for Byron Nuclear Power Station, Unit One, during the reporting period, February 1 through February 28, 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>
85-001-00	1-15-85	Missed Sample Analysis on Unit 2 Aux. Bldg. Vent Stack Monitor Particulate Filter
85-002-00	1-28-85	VC Train B Switchover Caused By Spurious Interlock Alarm on Radiation Monitor
85-003-00	1-29-85	Missed Surveillance For LCOAR
85-004-00	1-30-85	Loss of Component Cooling (CC) Surge Tank Level
85-005-00	1-26-85	Missed Surveillance 2A Diesel Generator
85-006-00	1-25-85	Venting of Unit 1 Containment
85-007-00	1-25-85	Control Room Ventilation Isolation
85-008-00	2-01-85	1A Steam Generator Low Low Level
85-009-00	1-30-85	MS Isolation
85-010-00	2-11-85	Power Fail on OPR32J Resulting in a OA VC Actuation
85-011-00	2-08-85	Inoperability of Both SI Trains
85-012-00	2-14-85	Failure to Perform Surveillance Within Time Limit
85-013-00	2-19-85	Position Indication Test of 1SI8809A Outside of Surveillance Interval
85-014-00	2-13-85	OA VC Makeup Fan Start
85-015-00	2-19-85	Main Steam Safety Valves Out of Tolerance

<u>Licensee Event Report Number</u>	<u>Date</u>	<u>Title of Occurrence</u>
85-016-00	2-19-85	Reactor Trip from Train A of the Solid State Protection System
85-017-00	2-19-85	Failure to De-energize PORV Block Valves
85-019-00	2-26-85	Missed Surveillance
85-019-01	2-27-85	Missed Surveillance



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

March 8, 1985

LTR: BYRON 85-0362
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 covering February 1 through February 28, 1985.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/KRH/clb

Enclosure

cc: J.G. Keppler, NRC, Region III
NRC Resident Inspector Byron
Gary Wright, Ill. Dept. of Nuclear Safety
D.P. Galle, CEC
D.L. Farrar, CEC
INPO Records Center
Thermal Group, Tech Staff Byron Station

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UNIT 1

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

March 8, 1985

LTR: BYRON 85-0362
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

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Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/KRH/clb

Enclosure

cc: J.G. Keppler, NRC, Region III
NRC Resident Inspector Byron
Gary Wright, Ill. Dept. of Nuclear Safety
D.P. Galle, CEC
D.L. Farrar, CEC
INPO Records Center
Thermal Group, Tech Staff Byron Station

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