



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

May 8, 1992

LTR: BYRON 92-0338
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, 1992.

Sincerely,

R. Pleniewicz
Station Manager
Byron Nuclear Power Station

RP/DE/ph

cc: A.B. Davis, NRC, Region III
NRC Resident Inspector Byron
Ill. Dept. of Nuclear Safety
M. J. Wallace/E. D. Eenigenburg
Nuclear Licensing Manager
Nuclear Fuel Services, PWR Plant Support
D. R. Eggett, Station Nuclear Engineering
INPO Records Center
A. Hsia - USNRC
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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

1. Monthly Report for Byrer UNIT 1 for the month of April 1992

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: 05/08/92
COMPILED BY: D. Ehle
TELEPHONE: (815)234-5441
x2263

OPERATING STATUS

1. Reporting Period: April, 1992. Cross Hours: 719
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*
5. Report Period Hrs.	719	2903	58,056
6. Rx Critical Hours	719	2850.4	47,777.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	719	2842.1	47,146
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,381,724	9,038,001	141,841,581
11. Gross Elec. Energy (MWH)	804,148	3,059,045	47,832,294
12. Net Elec. Energy (MWH)	768,294	2,918,657	45,138,154
13. Reactor Service Factor	100	98.19	82.30
14. Reactor Availability Factor	100	98.19	82.36
15. Unit Service Factor	100	97.90	81.21
16. Unit Availability Factor	100	97.90	81.21
17. Unit Capacity Factor (MDC net)	96.70	90.99	70.36
18. Unit Capacity Factor (DER net)	95.41	89.77	69.42
19. Unit Forced Outage Hrs.	0	60.9	1,403.4
20. Unit Forced Outage Rate	0	2.10	2.89

21. Shutdowns Scheduled Over Next 6 Months: N/A
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: 05/08/92
 COMPILED BY: D. Ehle
 TELEPHONE: (815)234-5441
 x2263

MONTH: April, 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)		
1.	612 MW	16.	1093 MW
2.	1106 MW	17.	1102 MW
3.	1107 MW	18.	1092 MW
4.	1107 MW	19.	1073 MW
5.	1109 MW	20.	1072 MW
6.	1100 MW	21.	1091 MW
7.	1105 MW	22.	1093 MW
8.	1111 MW	23.	1054 MW
9.	1042 MW	24.	1081 MW
10.	1108 MW	25.	1002 MW
11.	1115 MW	26.	975 MW
12.	1115 MW	27.	1086 MW
13.	1110 MW	28.	1072 MW
14.	1102 MW	29.	1060 MW
15.	1096 MW	30.	1054 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, 1992

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
6	04/01/92	F	20	H	4			Steam Gen.	High Sulfates in Unit 1 S/G continued from 3/31/92

* Summary *

TYPE	Reason	Method	System & Component
F-Forced	A-Equip Failure	F-Admin	1-Manual
S-Sched	B-Maint or Test	G-Oper Error	2-Manual Scram
	C-Refueling	H-Other	3-Auto Scram
	D-Regulatory Restriction		4-Continued
	E-Operator Training		5-Reduced Load
	& License Examination		9-Other
			Exhibit F & H
			Instructions for
			Preparation of
			Data Entry Sheet
			Licensee Event Report
			(LER) File (NUREG-0161)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 1) for the month of APRIL 1992

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

2. Licensee generated changes to ODCM.

NONE

3. Indications of failed fuel.

Fuel Reliability Indicator:

Yes FRI: $4.6E-3$ $\mu\text{Ci/cc}$

4. 10CFR50.46 Reporting Requirements: Peak Clad temperature (PCT) changes resulting from change or errors to the ECCS evaluation model.

Current licensing basis PCT plus margin allocation ($^{\circ}\text{F}$)

Large Break LOCA
2051.3

Small Break LOCA
1510.1

Explain differences from previous report:

None

F. LICENSEE EVENT REPORTS (UNIT 1)

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, 1992. 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>
454:92-002	4-3-92	Loss of one of two ESF Unit Crossties

II. Monthly Report for Byron UNIT 2 for the month of April 1992

A. Summary of Operating Experience for Unit 2

The Unit began this reporting period in refueling outage B2R03.

Went on line 4/30/92

B. OPERATING DATA REPORT

DOCKET NO.: 050-455
 UNIT: Byron Two
 DATE: 05/08/92
 COMPILED BY: D. Ehle
 TELEPHONE: (815)234-5441
 x2263

OPERATING STATUS

1. Reporting Period: April, 1992. Gross Hours: 719
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): N/A
4. Reasons for Restriction (If Any):

	THIS MONTH	YR TO DATE	CUMULATIVE*
5. Report Period Hrs.	719	2903	41,160
6. Rx Critical Hours	65.1	1460.2	34,694.3
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	19.6	1414.4	34,189.5
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	17,935	4,002,734	95,521,454
11. Gross Elec. Energy (MWH)	3004	1,357,111	32,313,880
12. Net Elec. Energy (MWH)	-6,858	1,267,572	30,444,580
13. Reactor Service Factor	9.05	50.30	84.29
14. Reactor Availability Factor	9.05	50.30	84.29
15. Unit Service Factor	2.73	48.72	83.06
16. Unit Availability Factor	2.73	48.72	83.06
17. Unit Capacity Factor (MDC net)	-0.86	39.52	66.94
18. Unit Capacity Factor (DER net)	-0.85	38.99	66.94
19. Unit Forced Outage Hrs.	0	0	1155.9
20. Unit Forced Outage Rate	0	0	3.27
21. Shutdowns Scheduled Over Next 6 Months: Unit 2 third refuel outage. NONE			
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: 05/08/92
COMPILED BY: D. Ehle
TELEPHONE: (815)234-5441
x2263

MONTH: April, 1992

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1.	-13 MW	16.	-13 MW
2.	-13 MW	17.	-14 MW
3.	-13 MW	18.	-14 MW
4.	-13 MW	19.	-14 MW
5.	-13 MW	20.	-14 MW
6.	-13 MW	21.	-14 MW
7.	-13 MW	22.	-14 MW
8.	-13 MW	23.	-14 MW
9.	-13 MW	24.	-13 MW
10.	-13 MW	25.	-13 MW
11.	-13 MW	26.	-13 MW
12.	-13 MW	27.	-14 MW
13.	-13 MW	28.	-14 MW
14.	-13 MW	29.	-14 MW
15.	-13 MW	30.	103 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, 1992

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
1	04/30/92	S	699:23	C		-----	----	-----	B2R03 Ended

* Summary *

TYPE	Reason	Method	System & Component
F-Forced	A-Equip Failure	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test	2-Manual Scram	Instructions for
	C-Refueling	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 2) for the month of April 1992

1. Safety/Relief valve operations for Unit Two.

DATE	VALVES ACTUATED	NO & TYPE ACTIVATION	PLANT CONDITION	DESCRIPTION OF EVENT
None				

2. Licensee generated changes to ODCM.

NONE

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = Unit 2 Shutdown

4. 10CFR50.46 Reporting Requirements: Peak Clad temperature (PCT) changes resulting from changes or errors to the ECCS evaluations model.

Current licensing basis PCT plus major allocations (°F)

Large Break LOCA
2064.1

Small Break LOCA
1510.1

Explain differences from previous report:

None

F. LICENSEE EVENT REPORTS (UNIT 2)

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit Two, submitted during the reporting period, April 1, 1992 through April 30, 1992. 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>
455: 92-002	4-10-92	Lightning Strike Containment VENTILATION Violation EST