



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

July 10, 1992

LTR: BYRON 92-0487
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, 1992.

Sincerely,

R. Pleniewicz
Station Manager
Byron Nuclear Power Station

RP/DE/ph

cc: A.E. 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
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F. Yost - Utility Data Institute, Inc.

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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

I. Monthly Report for Byron UNIT 1 for the month of June 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: 07/10/92
COMPILED BY: D. Ehle
TELEPHONE: (815)234-5441
x2263

OPERATING STATUS

1. Reporting Period: June, 1992. Gross Hours: 720
2. Currently Authorized Power Level: 9111 (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.	720	4367	59,520
6. Rx Critical Hours	720	4314.4	49,241.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	720	4306.1	48,610
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,261,070	13,720,639	146,524,219
11. Gross Elec. Energy (MWH)	760,697	4,636,128	49,409,377
12. Net Elec. Energy (MWH)	734,207	4,443,731	46,663,228
13. Reactor Service Factor	100	98.80	82.73
14. Reactor Availability Factor	100	98.80	82.79
15. Unit Service Factor	100	98.63	81.67
16. Unit Availability Factor	100	98.61	81.67
17. Unit Capacity Factor (MDC net)	92.28	92.09	70.95
18. Unit Capacity Factor (DER net)	91.05	90.85	70.00
19. Unit Forced Outage Hrs.	0	60.9	1,403.4
20. Unit Forced Outage Rate	0	1.39	2.81

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: 07/10/92
COMPILED BY: D. Ehle
TELEPHONE: (815)234-5441
x2263

MONTH: June, 1992

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. _____	1091 MW	16. _____	1081 MW
2. _____	1092 MW	17. _____	1092 MW
3. _____	1078 MW	18. _____	1103 MW
4. _____	1057 MW	19. _____	1089 MW
5. _____	1076 MW	20. _____	895 MW
6. _____	863 MW	21. _____	681 MW
7. _____	1026 MW	22. _____	952 MW
8. _____	980 MW	23. _____	1091 MW
9. _____	1047 MW	24. _____	1064 MW
10. _____	1054 MW	25. _____	1047 MW
11. _____	1087 MW	26. _____	1067 MW
12. _____	1057 MW	27. _____	967 MW
13. _____	913 MW	28. _____	925 MW
14. _____	1017 MW	29. _____	1033 MW
15. _____	1082 MW	30. _____	972 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, 1992

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* BYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
7	5/5	S	19	H	5	----	CW	---	Reduced Load to Clean CW Travelling Screens
8	6/20	--	--	F	5	----	--	---	Reduced Load per SPSO

* Summary *
** *****

TYPE	Reason	Method	System & Component
F-Forced	A-Equip Failure F-Admin	1-Manual	Exhibit F & H
S-Sched	B-Maint or Test G-Oper Error	2-Manual Scram	Instructions for
	C-Refueling H-Other	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 1) for the month of JUNE 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: 4.2E-3 μ 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 ($^{\circ}$ 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, June 1 through June 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>
NONE		

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

A. Summary of Operating Experience for Unit 2

Unit Two was forced down twice during the month of June. The first time was on June 10th for approximately 16 hours because FW Reg. Valve 2FW530 failed. The second time was on June 12th for approximately 71 hours due to a C loop FW flow problem. Repairs were made to check valve 2FW079C. The unit was back on line June 15th and ran the rest of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 050-455
 UNIT: Byron Two
 DATE: 07/10/92
 COMFILED BY: D. Ehle
 TELEPHONE: (815)234-5441
 x2263

OPERATING STATUS

1. Reporting Period: June, 1992. Gross Hours: 720
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.	720	4367	42,624
6. Rx Critical Hours	643.7	2847.9	36,082
7. Rx Reserve Shutdown Hours	0	C	0
8. Hours Generator on Line	631.9	2790.3	35,565.4
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	1,914,673	8,036,689	99,555,409
11. Gross Elec. Energy (MWH)	655,429	2,739,178	33,695,947
12. Net Elec. Energy (MWH)	633,700	2,604,636	31,781,644
13. Reactor Service Factor	89.40	65.21	84.65
14. Reactor Availability Factor	89.40	65.21	84.65
15. Unit Service Factor	87.76	63.90	83.44
16. Unit Availability Factor	87.76	63.90	83.44
17. Unit Capacity Factor (MDC net)	79.65	53.98	67.48
18. Unit Capacity Factor (DER net)	78.58	53.25	66.57
19. Unit Forced Outage Hrs.	88.1	88.1	1244
20. Unit Forced Outage Rate	12.24	3.06	3.38
21. Shutdowns Scheduled Over Next 6 Months:	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: 07/10/92
 COMPILED BY: D. Ehle
 TELEPHONE: (815)234-5441
 x2263

MONTH: June, 1992

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1. _____	1100 MW	16. _____	1044 MW
2. _____	1120 MW	17. _____	1105 MW
3. _____	1068 MW	18. _____	1095 MW
4. _____	1057 MW	19. _____	1077 MW
5. _____	1088 MW	20. _____	1023 MW
6. _____	1087 MW	21. _____	1027 MW
7. _____	1064 MW	22. _____	1052 MW
8. _____	1068 MW	23. _____	1090 MW
9. _____	1068 MW	24. _____	1062 MW
10. _____	590 MW	25. _____	995 MW
11. _____	143 MW	26. _____	1019 MW
12. _____	60 MW	27. _____	955 MW
13. _____	-14 MW	28. _____	717 MW
14. _____	-14 MW	29. _____	993 MW
15. _____	529 MW	30. _____	1115 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, 1992

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

* EYRON *

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause & Corrective Action to Prevent Recurrence
2	6/10	F	16:58	A	2	---	FW	Reg. Valve	FW Reg. Valve (2FW350) failed closed (B2F11)
3	6/12	F	71:29	A	i	---	FW	Check Valve	C Loop flow problem shutdown to repair 2FW079C (B2F12)

* 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-Reduce Load	Licensee Event Report
	& License Examination	9-Other	(LER) File (NUREG-0161)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 2) for the month of June 1992

1. Safety/Relief valve operations for Unit Two.

<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 GDCM.

NONE

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $5.0E-5$ μ Ci/CC

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 ($^{\circ}$ F)

Large Break LOCA
2054.1

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, June 1, 1992 through June 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: 92-003	6-10-92	Manual Reactor trip due to feedwater Regulating Valve
455: 92-004	6-14-92	Reactor Trip due to Lightning causing spike on source range.