

Commonwealth Edison Company
Byron Generating Station
4450 North German Church Road
Byron, IL 61010-9794
Tel 815-234-5441



September 8, 1995

LTR: BYRON 95-0309
FILE: 2.7.200

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Enclosed for your information is the Monthly Performance Report covering Byron Nuclear Power Station for the period August 1 through August 31, 1995.

Sincerely,

A handwritten signature in dark ink, appearing to read "K. L. Kofron".

K. L. Kofron
Station Manager
Byron Nuclear Power Station

KLK/JV/rp

cc: H.J. Miller, NRC, Region III
NRC Resident Inspector Byron
IL Dept. of Nuclear Safety
Regulatory Services Manager
Nuclear Fuel Services, PWR Plant Support
INPO Records Center
G.F. Dick, Jr. - USNRC
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 August 1995

A. Summary of Operating Experience for Unit 1

The Unit began this reporting period in Mode 1 (Power Operations).

B. OPERATING DATA REPORT

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 09/08/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: August, 1995 Gross Hours: 744
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.	744	5,831	87,288
6. Rx Critical Hours	744	5,831	73,816.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	744	5,831	73,101.2
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,493,519	19,177,778	223,220,767
11. Gross Elec. Energy (MWH)	838,084	6,526,537	75,504,819
12. Net Elec. Energy (MWH)	800,198	6,235,473	71,590,702
13. Reactor Service Factor	100	100	84.57
14. Reactor Availability Factor	100	100	84.61
15. Unit Service Factor	100	100	83.75
16. Unit Availability Factor	100	100	83.75
17. Unit Capacity Factor (MDC net)	97.33	96.78	74.22
18. Unit Capacity Factor (DER net)	96.03	95.48	73.23
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.40
21. Shutdowns Scheduled Over Next 6 Months: 1 (B1P02)			
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.: 050-454
UNIT: Byron One
DATE: 09/08/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: August, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1084 MW	16. 1074 MW
2. 1085 MW	17. 1075 MW
3. 1079 MW	18. 1076 MW
4. 1080 MW	19. 1076 MW
5. 1082 MW	20. 1072 MW
6. 1084 MW	21. 1015 MW
7. 1079 MW	22. 1083 MW
8. 1081 MW	23. 1081 MW
9. 1079 MW	24. 1077 MW
10. 1079 MW	25. 1079 MW
11. 1071 MW	26. 1076 MW
12. 1067 MW	27. 1075 MW
13. 1064 MW	28. 1076 MW
14. 1069 MW	29. 1077 MW
15. 1080 MW	30. 1071 MW
	31. 1080 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: August, 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

* 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 & Corrective Action to Prevent Recurrence</u>
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NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT ONE IN AUGUST

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & 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
	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 (UNIT 1) for the month of August, 1995

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.

Yes. Fuel Reliability Indicator: $FR \approx 3.1 \text{ E-4 } \mu\text{Ci/CC}$

F. LICENSEE EVENT REPORTS (UNIT 1)

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit One, occurring during the reporting period, August 1, 1995 through August 31, 1995. 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>
LER 454:95-002	08/18/95	Unit 1 Train B Hydrogen Monitor Found Inoperable Due To Isolated Water Trap

II. Monthly Report for Byron UNIT 2 for the month of August, 1995

A. Summary of Operating Experience for Unit 2

The Unit began this reporting period in Mode 1 (Power Operations).

B. OPERATING DATA REPORT

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 09/08/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: August, 1995. Gross Hours: 744
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.	744	5,831	70,392
6. Rx Critical Hours	744	4,810.5	61,325.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	744	4,781.9	60,691.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,509,988	15,246,380	180,230,278
11. Gross Elec. Energy (MWH)	849,554	5,209,494	61,343,678
12. Net Elec. Energy (MWH)	811,901	4,958,288	58,245,685
13. Reactor Service Factor	100	82.50	87.12
14. Reactor Availability Factor	100	82.50	87.12
15. Unit Service Factor	100	82.01	86.22
16. Unit Availability Factor	100	82.01	86.22
17. Unit Capacity Factor (MDC net)	98.76	76.95	74.88
18. Unit Capacity Factor (DER net)	97.43	75.92	73.88
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.25
21. Shutdowns Scheduled Over Next 6 Months:	None		
22. If Shutdown at End of Report Period, 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: 09/08/95
COMPILED BY: J. Vogl
TELEPHONE: (815) 234-5441
x2282

MONTH: August, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1105 MW	16. 1098 MW
2. 1107 MW	17. 1098 MW
3. 1101 MW	18. 1099 MW
4. 1103 MW	19. 1099 MW
5. 1104 MW	20. 1027 MW
6. 1105 MW	21. 1106 MW
7. 1100 MW	22. 1106 MW
8. 1103 MW	23. 1060 MW
9. 1100 MW	24. 1100 MW
10. 1092 MW	25. 1102 MW
11. 1095 MW	26. 1023 MW
12. 1079 MW	27. 1100 MW
13. 1008 MW	28. 1100 MW
14. 1092 MW	29. 1100 MW
15. 1103 MW	30. 1096 MW
	31. 1103 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: August, 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

* BYRON *

No. Date Type Hours Reason Method LER Number System Component Cause & Corrective Action To Prevent Recurrence

NO SHUTDOWNS OR MAJOR REDUCTIONS FOR UNIT TWO IN AUGUST

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
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 2) for the month of August, 1995

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>
None				

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = $2.6 \text{ E-5 } \mu\text{Ci/CC}$

F. LICENSEE EVENT REPORTS (UNIT 2)

The following is a tabular summary of all Licensee Event Reports for Byron Nuclear Power Station, Unit Two, occurring during the reporting period August 1, 1995 through August 31, 1995. 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>
LER 455:95-004	08/15/95	Diesel Generator Voltage Regulator Failures.