

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

ComEd

February 9, 1995

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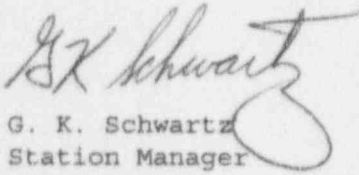
Director, Office of Management Information
and Program Control
United States Nuclear Regulatory Commission
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

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

Sincerely,



G. K. Schwartz
Station Manager
Byron Nuclear Power Station

GKS/RC/rp

cc: J.B. Martin, NRC, Region III
NRC Resident Inspector Byron
IL Dept. of Nuclear Safety
Regulatory Services Manager
Nuclear Fuel Services, PWR Plant Support
D.R. Eggett, Station Nuclear Engineering
INFO 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 January 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: 02/09/95
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: January, 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	744	82,201
6. Rx Critical Hours	744	744	68,729.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	744	744	68,014.2
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,356,851	2,356,851	206,399,840
11. Gross Elec. Energy (MWH)	803,836	803,836	69,782,118
12. Net Elec. Energy (MWH)	766,116	766,116	66,121,345
13. Reactor Service Factor	100	100	83.61
14. Reactor Availability Factor	100	100	83.66
15. Unit Service Factor	100	100	82.74
16. Unit Availability Factor	100	100	82.74
17. Unit Capacity Factor (MDC net)	93.19	93.19	72.80
18. Unit Capacity Factor (DER net)	91.94	91.94	71.82
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.57
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.: 050-454
UNIT: Byron One
DATE: 02/09/94
COMPILED BY: R. Colglazier
TELEPHONE: (815)234-5441
x2282

MONTH: January, 1995

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1. _____ 1073 MW _____	16. _____ 1092 MW _____
2. _____ 1071 MW _____	17. _____ 1088 MW _____
3. _____ 1071 MW _____	18. _____ 1093 MW _____
4. _____ 1045 MW _____	19. _____ 1087 MW _____
5. _____ 350 MW _____	20. _____ 1086 MW _____
6. _____ 288 MW _____	21. _____ 1091 MW _____
7. _____ 907 MW _____	22. _____ 1091 MW _____
8. _____ 1088 MW _____	23. _____ 1089 MW _____
9. _____ 1083 MW _____	24. _____ 1090 MW _____
10. _____ 1084 MW _____	25. _____ 1085 MW _____
11. _____ 1087 MW _____	26. _____ 1084 MW _____
12. _____ 1087 MW _____	27. _____ 1080 MW _____
13. _____ 1091 MW _____	28. _____ 1091 MW _____
14. _____ 1090 MW _____	29. _____ 1097 MW _____
15. _____ 1094 MW _____	30. _____ 1081 MW _____
	31. _____ 1076 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: January, 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>
1	01/04/95	F	65	H	5		SD		Chemistry Clean Up Of The Steam Generators

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	F-Admin	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	Instructions for
	C-Refueling	H-Other	Preparation of
	D-Regulatory Restriction		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 January, 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.

No. Fuel Reliability Indicator: FRI = 4.4 E-4 μ 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, January 1, 1995 through January 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>
454:95-001	01-31-95	LER 95-001 RWST Hatches alarms removed without verification of alternate means of security.

II. Monthly Report for Byron UNIT 2 for the month of January 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: 02/09/95
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

OPERATING STATUS

1. Reporting Period: January, 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	744	65,305
6. Rx Critical Hours	744	744	57,259.4
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	744	744	56,653.8
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,291,063	2,291,063	167,274,961
11. Gross Elec. Energy (MWH)	790,928	790,928	56,925,112
12. Net Elec. Energy (MWH)	753,651	753,651	54,041,048
13. Reactor Service Factor	100	100	87.68
14. Reactor Availability Factor	100	100	87.68
15. Unit Service Factor	100	100	86.75
16. Unit Availability Factor	100	100	86.75
17. Unit Capacity Factor (MDC net)	91.67	91.67	74.89
18. Unit Capacity Factor (DER net)	90.44	90.44	73.89
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.41
21. Shutdowns Scheduled Over Next 6 Months: 1 (B2R05)			
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: 02/09/95
COMPILED BY: R. Colglazier
TELEPHONE: (815) 234-5441
x2282

MONTH: January, 1995

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1. 1119 MW	16. 1038 MW
2. 1116 MW	17. 1026 MW
3. 1114 MW	18. 1021 MW
4. 1111 MW	19. 951 MW
5. 1101 MW	20. 917 MW
6. 1092 MW	21. 983 MW
7. 1093 MW	22. 976 MW
8. 1009 MW	23. 954 MW
9. 1094 MW	24. 944 MW
10. 1089 MW	25. 929 MW
11. 1089 MW	26. 919 MW
12. 1085 MW	27. 903 MW
13. 1079 MW	28. 899 MW
14. 1064 MW	29. 896 MW
15. 1056 MW	30. 867 MW
	31. 851 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: January, 1995

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 2)

* 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>
1	01/05/95	S		H	9				Unit Began Coastdown To B2R05

* Summary *

<u>TYPE</u>	<u>Reason</u>	<u>Method</u>	<u>System & Component</u>
F-Forced	A-Equip Failure	F-Admin	Exhibit F & H
S-Sched	B-Maint or Test	G-Oper Error	Instructions for
	C-Refueling	H-Other	Preparation of
	D-Regulatory Restriction		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 January 1995

1. Safety/Relief valve operations for Unit Two.

<u>DATE</u>	<u>VALVES</u> <u>ACTUATED</u>	<u>NO & TYPE</u> <u>ACTUATION</u>	<u>PLANT</u> <u>CONDITION</u>	<u>DESCRIPTION</u> <u>OF EVENT</u>
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None

2. Licensee generated changes to ODCM.

None

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = 1.8 E-4 μ 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, January 1, 1995 through January 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>
455:95-001	01/20/95	Chemistry samples missed following plant transient due to operator personnel error.