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

ComEd

April 8, 1996

LTR: BYRON 96-0088
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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 March 1 through March 31, 1996.

Sincerely,

K. L. Kofron
Station Manager
Byron Nuclear Power Station

KLK/CV/mn

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 March, 1996

A. Summary of Operating Experience for Unit 1

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

B. OPERATING DATA REPORT UNIT ONE

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 04/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441 x2282

OPERATING STATUS

1. Reporting Period: March, 1996 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	2,184	92,401
6. Rx Critical Hours	744	2,184	77,403.3
7. Rx Reserve Shutdown Hours	0	0	38
8. Hours Generator on Line	744	2,184	76,683.6
9. Unit Reserve Shutdown Hours	0	0	0
*10. Gross Thermal Energy (MWH)	2,473,238	7,216,459	234,981,414
11. Gross Elec. Energy (MWH)	844,230	2,461,186	79,517,444
12. Net Elec. Energy (MWH)	806,743	2,350,605	75,403,065
13. Reactor Service Factor	100	100	83.77
14. Reactor Availability Factor	100	100	83.81
15. Unit Service Factor	100	100	82.99
16. Unit Availability Factor	100	100	82.99
17. Unit Capacity Factor (MDC net)	98.13	97.40	73.85
18. Unit Capacity Factor (DER net)	96.82	96.10	72.86
19. Unit Forced Outage Hrs.	0	0	1,794.5
20. Unit Forced Outage Rate	0	0	2.29

21. Shutdowns Scheduled Over Next 6 Months: 1 (B1R07)

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 UNIT ONE

DOCKET NO.: 050-454
UNIT: Byron One
DATE: 04/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441 x2282

MONTH: March, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1082 MW	16.	1087 MW
2.	1086 MW	17.	1058 MW
3.	1084 MW	18.	1028 MW
4.	1087 MW	19.	1090 MW
5.	1089 MW	20.	1090 MW
6.	1095 MW	21.	1083 MW
7.	1097 MW	22.	1080 MW
8.	1094 MW	23.	1085 MW
9.	1088 MW	24.	1073 MW
10.	1087 MW	25.	1087 MW
11.	1087 MW	26.	1094 MW
12.	1084 MW	27.	1089 MW
13.	1079 MW	28.	1091 MW
14.	1077 MW	29.	1089 MW
15.	1084 MW	30.	1085 MW
		31.	1089 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: March 1996

UNIT SHUTDOWNS/REDUCTIONS
(UNIT 1)

****
* BYRON *
****

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

NO SHUTDOWNS OR REDUCTIONS GREATER THAN 20% FOR UNIT ONE

****
* 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 & License Examination		5-Reduced Load	Licensee Event Report
			9-Other	(LER) File (NUREG-0161)

E. UNIQUE REPORTING REQUIREMENTS (UNIT 1) for the month of March, 1996

1. Safety/Relief valve operations for Unit One.

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

2. Licensee generated changes to ODCM.

ODCM Revision 1.3 was completed during the month of March. The major change from this revision is the implementation of the ComEd Uniform-REMP Program, and the Byron site specific environmental sampling changes. Also effected by this revision was the vent stack airborne alpha analysis frequency which changed from weekly to quarterly, and two LCOAR action statement time requirements changed.

3. Indications of failed fuel.

Yes. Fuel Reliability Indicator: FRI = 2.2 E-4 μCi/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, March 1, 1996 through March 31, 1996. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

Licensee Event Report Number	Occurrence Date	Title of Occurrence
454-180-96-0001	03/13/96	Unrecognized Change In System Flow Results In Operation Outside Technical Specifications.
454-180-96-0002	03/21/96	Concern With Spray Additive Flow Verification Testing.

II. Monthly Report for Byron UNIT 2 for the month of March, 1996

A. Summary of Operating Experience for Unit 2

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

B. OPERATING DATA REPORT UNIT TWO

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 04/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441
x2282

OPERATING STATUS

1. Reporting Period: March, 1996. 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	2,184	75,505
6. Rx Critical Hours	744	2,184	66,438.9
7. Rx Reserve Shutdown Hours	0	0	0
8. Hours Generator on Line	744	2,184	65,804.7
9. Unit Reserve Shutdown Hours	0	0	0
10. Gross Thermal Energy (MWH)	2,519,682	7,404,455	197,405,658
11. Gross Elec. Energy (MWH)	867,614	2,552,001	67,257,666
12. Net Elec. Energy (MWH)	829,778	2,440,109	63,911,276
13. Reactor Service Factor	100	100	87.99
14. Reactor Availability Factor	100	100	87.99
15. Unit Service Factor	100	100	87.15
16. Unit Availability Factor	100	100	87.15
17. Unit Capacity Factor (MDC net)	100.93	101.11	76.60
18. Unit Capacity Factor (DER net)	99.58	99.76	75.58
19. Unit Forced Outage Hrs.	0	0	1,399.2
20. Unit Forced Outage Rate	0	0	2.08

21. Shutdowns Scheduled Over Next 6 Months: 1 (B2R06)

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 UNIT TWO

DOCKET NO.: 050-455
UNIT: Byron Two
DATE: 04/08/96
COMPILED BY: J. Vogl
TELEPHONE: (815)234-5441 x2282

MONTH: March, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1121 MW	16.	1122 MW
2.	1128 MW	17.	1118 MW
3.	1104 MW	18.	1119 MW
4.	1057 MW	19.	1123 MW
5.	1123 MW	20.	1124 MW
6.	1127 MW	21.	1122 MW
7.	1130 MW	22.	1119 MW
8.	1070 MW	23.	1121 MW
9.	1072 MW	24.	1110 MW
10.	1121 MW	25.	1121 MW
11.	1120 MW	26.	1128 MW
12.	1117 MW	27.	1123 MW
13.	1113 MW	28.	1124 MW
14.	1113 MW	29.	1120 MW
15.	1118 MW	30.	1118 MW
		31.	1113 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: March, 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 GREATER THAN 20% FOR UNIT TWO

****
* 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 2) for the month of March, 1996

1. Safety/Relief valve operations for Unit Two.

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

2. Licensee generated changes to ODCM.

ODCM Revision 1.3 was completed during the month of March. The major change from this revision is the implementation of the ComEd Uniform-REMP Program, and the Byron site specific environmental sampling changes. Also effected by this revision was the vent stack airborne alpha analysis frequency which changed from weekly to quarterly, and two LCOAR action statement time requirements changed.

3. Indications of failed fuel.

No. Fuel Reliability Indicator: FRI = 2.2 E-5 μCi/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, March 1, 1996 through March 31, 1996. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10CFR 50.73.

Licensee Event Report Number	Occurrence Date	Title of Occurrence
455-180-96-0001	03/26/96	Inadvertent Letdown Isolation During Slave Relay Surveillance