



Commonwealth Edison  
Braidwood Nuclear Power Station  
Route #1, Box 84  
Braceville, Illinois 60407  
Telephone 815/458-2801

May 10, 1991  
BW/91-0427

Director, Office of Resource Management  
United States Nuclear Regulatory Commission  
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the Monthly Performance Report covering Braidwood Nuclear Power Station for the period April 1 through April 30, 1991.

Very truly yours,

K. L. Kofron  
Station Manager  
Braidwood Nuclear Station

KLK/EWC/clf  
(227/ZD85G)

Attachments

cc: A. B. Davis, NRC, Region III  
NRC Resident Inspector Braidwood  
Ill. Dept. of Nuclear Safety  
M. J. Wallace  
K. L. Graessner  
T. J. Kovach  
Nuclear Fuel Services, PWR Plant Support  
INPO Records Center  
Performance Monitoring Group, Tech Staff Braidwood Station  
Nuclear Group, Tech Staff Braidwood Station  
R. Pulsifer - USNRC  
A. R. Checca  
D. R. Eggett - Nuclear Engineering Department

BRAIDWOOD NUCLEAR POWER STATION

UNIT 1 AND UNIT 2

MONTHLY PERFORMANCE REPORT

COMMONWEALTH EDISON COMPANY

NRC DOCKET NO. 050-456, LICENSE NO. NPF-72

NRC DOCKET NO. 050-457, LICENSE NO. NPF-77

I. Monthly Report for Braidwood Unit 1

A. Summary of Operating Experience

Braidwood Unit 1 continued a scheduled refueling outage the entire month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456  
UNIT: Braidwood 1  
DATE: 05/10/91  
COMPILED BY: C. E. Pershey  
TELEPHONE: (815)458-2801  
ext. 2173

OPERATING STATUS

1. Reporting Period: April, 1991      Gross Hours: 719
2. Currently Authorized Power Level (MWt): 3411  
Design Electrical Rating (MWe-gross): 1175  
Design Electrical Rating (MWe-net): 1120  
Max Dependable Capacity (MWe-gross): 1175  
Max Dependable Capacity (MWe-net): 1120
3. Power level to which restricted (If Any): None
4. Reasons for restriction (If Any): None

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Report period Hours:	719	2879	24128
6. Hours Reactor Critical:	0.0	0.0	16927.3
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	0.0	0.0	16630.9
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	0.0	0.0	49653070
11. Gross Elec. Energy (MWH):	0.0	0.0	17080641
12. Net Elec. Energy (MWH):	-9672	-38451	16283305
13. Reactor Service Factor:	0.0	0.0	70.2
14. Reactor Availability Factor:	0.0	0.0	70.2
15. Unit Service Factor:	0.0	0.0	68.9
16. Unit Availability Factor:	0.0	0.0	68.9
17. Unit Capacity Factor (MDC net):	-1.2	-1.2	60.3
18. Unit Capacity Factor (DER net):	-1.2	-1.2	60.3
19. Unit Forced Outage Rate:	0.0	100.0	14.8
20. Unit Forced Outage Hours:	0.0	1416	2895
21. Shutdowns Scheduled Over Next 6 Months:			
22. If Shutdown at End of Report Period, Estimated Date of Startup:	May 6, 1991		

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456

UNIT: Braidwood 1

DATE: 05/10/91

COMPILED BY: C. E. Pershey

TELEPHONE: (815)458-2801  
ext. 2173

MONTH: April, 1991

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

## 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.

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-456  
UNIT: Braidwood 1  
DATE: 05/10/91  
COMPILED BY: C. E. Pershey  
TELEPHONE: (815)458-2801  
ext. 2173

REPORT PERIOD: April, 1991

<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 &amp; CORRECTIVE ACTION TO PREVENT RECURRENCE</u>
1	910301	S	719	C	4	N/A	N/A	N/A	Continuation of Braidwood Unit 1 Second Refuel Outage.

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\* SUMMARY \*  
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<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM &amp; COMPONENT</u>
F-Forced	A-Equipment Failure Maint or Test	1 - Manual	Exhibit F & H
S-Scheduled	B-Maint or Test	2 - Manual Scram	Instructions for Preparation of
	C-Refueling	3 - Auto Scram	Data Entry Sheet
	D-Regulatory Restriction	4 - Continued	Licensee Event Report
	E-Operator Training & License Examination	5 - Reduced Load	(LER) File (NUREG-0161)
	F-Administration	9 - Other	
	G-Oper Error		
	H-Other		



E. UNIQUE REPORTING REQUIREMENTS - Unit 1

1. Safety/Relief valve operations.

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

2. Licensee generated changes to ODCM.

None

F. LICENSEE EVENT REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1991. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73.

<u>Licensee Event Report Number</u>	<u>Report Date</u>	<u>Title of Occurrence</u>
91-005	04-22-91	Lightning strike caused Control Room Ventilation to shift to makeup.



I. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 operated routinely in April with no outages or significant power reductions.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457  
UNIT: Braidwood 2  
DATE: 05/10/91  
COMPILED BY: C. E. Pershey  
TELEPHONE: (815)458-2801  
ext. 2173

## OPERATING STATUS

1. Reporting Period: April, 1991      Gross Hours: 719

2. Currently Authorized Power Level (MWt): 3411  
Design Electrical Rating (MWe-gross): 1175  
Design Electrical Rating (MWe-net): 1120  
Max Dependable Capacity (MWe-gross): 1175  
Max Dependable Capacity (MWe-net): 1120

3. Power level to which restricted (If Any): None

4. Reasons for restriction (If Any): None

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Report period Hours:	719	2879	22210
6. Hours Reactor Critical:	719	2879	18918.5
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	719	2879	18790.2
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	2364969	9414821	54724849
11. Gross Elec. Energy (MWH):	810320	3247306	18782079
12. Net Elec. Energy (MWH):	785177	3149400	17976880
13. Reactor Service Factor:	100.0	100.0	85.2
14. Reactor Availability Factor:	100.0	100.0	85.2
15. Unit Service Factor:	100.0	100.0	84.6
16. Unit Availability Factor:	100.0	100.0	84.6
17. Unit Capacity Factor (MDC net):	97.5	97.7	72.3
18. Unit Capacity Factor (DER net):	97.5	97.7	72.3
19. Unit Forced Outage Rate:	0.0	0.0	3.2
20. Unit Forced Outage Hours:	0.0	0.0	613.6
21. Shutdowns Scheduled Over Next 6 Months:	September 1991 - Refuel Outage		
22. If Shutdown at End of Report Period, Estimated Date of Startup:			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-457  
UNIT: Braidwood 2  
DATE: 05/10/91  
COMPILED BY: C. E. Pershey  
TELEPHONE: (815)458-2801  
ext. 2173

MONTH: April, 1991

1. _____	1084	17. _____	1091
2. _____	*1135	18. _____	1091
3. _____	*1131	19. _____	1090
4. _____	*1121	20. _____	1099
5. _____	*1131	21. _____	1024
6. _____	*1131	22. _____	1062
7. _____	1063	23. _____	1084
8. _____	1053	24. _____	1083
9. _____	1095	25. _____	1064
10. _____	*1131	26. _____	1064
11. _____	*1124	27. _____	1076
12. _____	*1127	28. _____	1049
13. _____	1109	29. _____	1090
14. _____	1055	30. _____	1097
15. _____	1082		
16. _____	1111		

## 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.

\*Due to Condenser Efficiencies

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-457  
 UNIT: Braidwood 2  
 DATE: 05/10/91  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

REPORT PERIOD: April, 1991

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
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None

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 \* S U M M A R Y \*  
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TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A-Equipment Failure Maint or Test	1 - Manual	Exhibit F & H
S-Scheduled	B-Maint or Test	2 - Manual Scram	Instructions for Preparation of
	C-Refueling	3 - Auto Scram	Data Entry Sheet
	D-Regulatory Restriction	4 - Continued	Licensee Event Report
	E-Operator Training & License Examination	5 - Reduced Load	(LER) File (NUREG-0161)
	F-Administration	9 - Other	
	G-Oper Error		
	H-Other		

E. UNIQUE REPORTING REQUIREMENTS - UNIT 2

1. Safety/Relief valve operations.

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

2. Licensee generated changes to ODCM.

None

F. LICENSEE EVENT REPORTS - UNIT 2

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, April 1 through April 30, 1991. This information is provided pursuant to the reportable occurrence reporting requirements as set forth in 10 CFR 50.73.

<u>Licensee Event</u> <u>Report Number</u>	<u>Report</u> <u>Date</u>	<u>Title of Occurrence</u>
None		