



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


June 10, 1992  
BW/92-0313

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 May 1 through May 31, 1992.

  
K. L. Kofron  
Station Manager  
Braidwood Nuclear Station

KLK/JL/dla  
(574/ZD85G)

Attachments

cc: A. B. Davis, NRC, Region III  
NRC Resident Inspector Braidwood  
Ill. Dept. of Nuclear Safety  
M. J. Wallace  
E. D. Eenigenburg  
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  
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9206150436 920531  
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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

1. Monthly Report for Braidwood Unit 1

A. Summary of Operating Experience

Braidwood Unit 1 entered the month of May, 1992 at approximately 99.5% power. The unit operated routinely with no significant power reductions through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456  
 UNIT: Braidwood 1  
 DATE: 06/10/92  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

OPERATING STATUS

1. Reporting Period: May, 1992      Gross Hours: 744
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:	744.0	3647.0	33656.0
6. Hours Reactor Critical:	744.0	3581.7	25861.9
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	744.0	3562.5	25394.5
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	2490903	11720554	76705070
11. Gross Elec. Energy (MWH):	840499	3985425	26307617
12. Net Elec. Energy (MWH):	808566	3835142	25137066
13. Reactor Service Factor:	100.0	98.2	76.8
14. Reactor Availability Factor:	100.0	98.2	76.8
15. Unit Service Factor:	100.0	97.7	75.5
16. Unit Availability Factor:	100.0	97.7	75.5
17. Unit Capacity Factor (MDC net):	97.0	93.9	66.7
18. Unit Capacity Factor (DER net):	97.0	93.9	66.7
19. Unit Forced Outage Rate:	0.0	2.3	11.3
20. Unit Forced Outage Hours:	0.0	84.5	3236.3
21. Shutdowns Scheduled Over			

Next 6 Months:      Refueling Outage - September, 1992

22. If Shutdown at End of Report Period,  
 Estimated Date of Startup: \_\_\_\_\_

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456  
 UNIT: Braidwood 1  
 DATE: 06/10/92  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

MONTH: May, 1992

1. _____	1070	_____	17. _____	1010	_____
2. _____	1103	_____	18. _____	1093	_____
3. _____	1061	_____	19. _____	1062	_____
4. _____	1107	_____	20. _____	1004	_____
5. _____	1106	_____	21. _____	1046	_____
6. _____	1105	_____	22. _____	1098	_____
7. _____	1100	_____	23. _____	1092	_____
8. _____	1066	_____	24. _____	1109	_____
9. _____	1099	_____	25. _____	1115	_____
10. _____	1075	_____	26. _____	1117	_____
11. _____	1095	_____	27. _____	1116	_____
12. _____	1097	_____	28. _____	1076	_____
13. _____	1099	_____	29. _____	1086	_____
14. _____	1101	_____	30. _____	1090	_____
15. _____	1098	_____	31. _____	1089	_____
16. _____	1093	_____			

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: 06/10/92  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

REPORT PERIOD: May, 1992

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

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 \* SUMMARY \*  
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TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A-Equipment Failure Maint or Test	1 - Method	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

1. Safety/Relief valve operations.

DATE	VALVES ACTUATED	NO & TYPE ACTUATION	PLANT CONDITION	DESCRIPTION OF EVENT
			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, May 1 through May 31, 1992. 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>
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None



I. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 entered the month of May, 1992 at approximately 99.5% power. The unit operated routinely through May 8, 1992. Load was reduced on May 9 to allow identification of a main condenser tube leak. Load was reduced on May 15 to allow repair of the leak identified on May 9. On May 17 load was further reduced to make a containment entry to find sources of inleakage to the PRT. The unit was shut down on May 23 to repair a leak identified on May 21. The unit remained shut down through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457  
 UNIT: Braidwood 2  
 DATE: 06/10/92  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

OPERATING STATUS

1. Reporting Period: May, 1992      Gross Hours: 744
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:	744.0	3647.0	31738.0
6. Hours Reactor Critical:	534.6	3323.9	26090.5
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	534.1	3311.0	25851.0
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	1605206	10609048	75964599
11. Gross Elec. Energy (MWH):	550565	3654583	26012023
12. Net Elec. Energy (MWH):	525955	3514017	24876912
13. Reactor Service Factor:	71.9	91.1	82.2
14. Reactor Availability Factor:	71.9	91.1	82.2
15. Unit Service Factor:	71.8	90.8	81.5
16. Unit Availability Factor:	71.8	90.8	81.5
17. Unit Capacity Factor (MDC net):	63.1	86.0	70.0
18. Unit Capacity Factor (DER net):	63.1	86.0	70.0
19. Unit Forced Outage Rate:	28.2	9.2	4.7
20. Unit Forced Outage Hours:	209.9	336.0	1283.8
21. Shutdowns Scheduled Over			
Next 6 Months:	None		
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: 06/10/92  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

MONTH: May, 1992

1. _____	* 1126	17. _____	* 591
2. _____	* 1124	18. _____	* 488
3. _____	1097	19. _____	* 604
4. _____	1084	20. _____	1009
5. _____	1115	21. _____	1067
6. _____	1077	22. _____	1100
7. _____	* 1123	23. _____	104
8. _____	1081	24. _____	- 14
9. _____	1115	25. _____	- 14
10. _____	776	26. _____	- 14
11. _____	1016	27. _____	- 14
12. _____	* 1124	28. _____	- 14
13. _____	* 1125	29. _____	- 14
14. _____	* 1124	30. _____	- 15
15. _____	* 1123	31. _____	- 15
16. _____	825		

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 Efficiency.

D. UNIT SHUTDOWNS/REDUCTIONS

DOCKET NO.: 50-457  
 UNIT: Braidwood 2  
 DATE: 06/10/92  
 COMPILED BY: C. E. Pershey  
 TELEPHONE: (815)458-2801  
 ext. 2173

REPORT PERIOD: May, 1992

<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>
5	920509	S	30.2	B	5	None	KE	TBG	Reduced load to remove a main condenser waterbox from service for leak identification. Testing was successful and the waterbox was restored prior to increasing power.
6	920515	S	52.7	B	5	None	KE	TBG	Reduced load to remove a main condenser waterbox from service to repair the leak identified on 920509. One tube was plugged and the waterbox was restored.
7	920517	S	16.0	B	5	None	AB	RV	Reduced load following the 920515 repairs, to make a containment entry. The containment entry was made to identify the source of inleakage to the PRT. The source was not positively identified at this time.
8	920523	S	186.7	B	1	None	AB	RV	Manual shutdown to repair a pressurizer safety valve leak identified by testing done on 920521. Repairs were made prior to unit restart.
9	920531	F	23.2	A	4	92-004	RD	EI	On restart from 920523 shutdown, the B M-C set tripped on overexcitation. The A M-G set tripped due to a low setting on the bus over-voltage relay. The settings were corrected and testing was completed prior to unit restart.

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 \* S U M M A R Y \*  
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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 - Method	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.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO &amp; TYPE ACTUATION</u>	<u>PLANT CONDITION</u>	<u>DESCRIPTION OF EVENT</u>
	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, May 1 through May 31, 1992. 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>
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None		
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