

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

9209150111 920910  
PDR ADCK 05000456  
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I. Monthly Report for Braidwood Unit 1

A. Summary of Operating Experience

Braidwood Unit 1 entered the month of August at approximately 99% reactor power. The unit operated in a routine coast down in preparation for a scheduled September 1992 refuel outage.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456  
 UNIT: Braidwood 1  
 DATE: 09/10/92  
 COMPILED BY: P. Stanczak  
 TELEPHONE: (815)458-2801  
 ext. 2486

OPERATING STATUS

1. Reporting Period: August, 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

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Report Period Hours:	744.0	5855.0	35864.0
6. Hours Reactor Critical	744.0	5789.7	28069.9
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line	744.0	5770.5	27602.5
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWhT)	2086628.0	18285009.5	83269525.5
11. Gross Elec. Energy (MWh)	701744.0	6211422.0	28533614.0
12. Net Elec. Energy (MWh):	671287.0	5969520.0	27271444.0
13. Reactor Service Factor:	100.0	98.9	78.3
14. Reactor Availability Factor:	100.0	98.9	78.3
15. Unit Service Factor:	100.0	98.6	77.0
16. Unit Availability Factor:	100.0	98.6	77.0
17. Unit Capacity Factor (MDC NET):	80.6	91.0	67.9
18. Unit Capacity Factor (DER NET):	80.6	91.0	67.9
19. Unit Forced Outage Rate:	0.0	1.4	10.5
20. Unit Forced Outage Hours:	0.0	84.5	3226.3
21. Shutdown Schedule Over Next 6 months. Refuel Outage September 1992			
22. If Shutdown at end of Reporting Period Estimated Date of Startup			

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

DOCKET NO.: 50-456  
 UNIT: Braidwood 1  
 DATE: 09/10/92  
 COMPILED BY: P. Stanczak  
 TELEPHONE: (815)458-2801  
 ext. 2486

MONTH: August, 1992

1. _____	1083 _____	17. _____	885 _____
2. _____	1070 _____	18. _____	878 _____
3. _____	1044 _____	19. _____	870 _____
4. _____	1042 _____	20. _____	851 _____
5. _____	1032 _____	21. _____	827 _____
6. _____	1020 _____	22. _____	826 _____
7. _____	990 _____	23. _____	825 _____
8. _____	970 _____	24. _____	810 _____
9. _____	960 _____	25. _____	796 _____
10. _____	951 _____	26. _____	797 _____
11. _____	939 _____	27. _____	789 _____
12. _____	937 _____	28. _____	783 _____
13. _____	927 _____	29. _____	783 _____
14. _____	915 _____	30. _____	783 _____
15. _____	897 _____	31. _____	776 _____
16. _____	896 _____		

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: 09/10/92  
 COMPILED BY: P. Stanczak  
 TELEPHONE: (815)458-2901  
 ext 2486

REPORT PERIOD: August, 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>
NONE									

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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 1

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 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, August 1 through August 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>
92-007	08/21/92	Fuel Handling Building Ventilation Charcoal Booster Fan Automatic Start on Momentary Spike of OAR-55j
92-008	08/24/92	Non-Conservative Degraded Voltage Setpoints

## II. Monthly Report for Braidwood Unit 2

### A. Summary of Operating Experience

Braidwood Unit 2 entered the month of August 1992 at approximately 99% reactor power. On August 1, power was reduced to obtain an oil sample and vibration readings for the 2C reactor coolant pump due to an increase in the motor thrust bearing temperature. Test results were satisfactory and power was increased. On August 8, power was reduced to observe the oil levels for the reactor coolant pump motors. Results were satisfactory and power was increased. On August 15, while decreasing power per the load dispatcher, a rod drive urgent failure occurred. Power was increased after the rod drive power supply was repaired and rod drive testing completed. The unit operated routinely through the end of the month.



B. OPERATING DATA REPORT

DOCKET NO.: 50-457  
 UNIT: Braidwood 2  
 DATE: 09/10/92  
 COMPILED BY: P. Stanczak  
 TELEPHONE: (815)458-2801  
 ext. 2486

OPERATING STATUS

1. Reporting Period: August, 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

	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. Report Period Hours:	744.0	5855.0	33946.0
6. Hour Reactor Critical	744.0	5518.4	29285.0
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line	744.0	5483.3	28023.3
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWhT)	2256254.0	17389915.0	82745466.0
11. Gross Elec. Energy (MWh)	757122.0	5939796.0	28297236.0
12. Net Elec. Energy (MWh):	726163.0	5708746.0	27071641.0
13. Reactor Service Factor:	100.0	94.3	83.3
14. Reactor Availability Factor:	100.0	94.3	83.3
15. Unit Service Factor:	100.0	93.7	82.6
16. Unit Availability Factor:	100.0	93.7	82.6
17. Unit Capacity Factor (MDC NET):	87.1	87.1	71.2
18. Unit Capacity Factor (DER NET):	87.1	87.1	71.2
19. Unit Forced Outage Rate:	0.0	3.3	3.9
20. Unit Forced Outage Hours:	0.0	185.0	1132.8

21. Shutdown Schedule Over Next 6 Months.

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: 09/10/92  
COMPILED BY: P. Stanczak  
TELEPHONE: (815)458-2801  
ext. 2486

MONTH: August, 1992

1. _____	956	17. _____	780
2. _____	527	18. _____	1061
3. _____	975	19. _____	1049
4. _____	1040	20. _____	1079
5. _____	1026	21. _____	1034
6. _____	1091	22. _____	938
7. _____	1023	23. _____	954
8. _____	1036	24. _____	1058
9. _____	761	25. _____	1091
10. _____	1085	26. _____	1097
11. _____	1045	27. _____	1087
12. _____	978	28. _____	1033
13. _____	980	29. _____	1035
14. _____	1027	30. _____	926
15. _____	962	31. _____	989
16. _____	516		

## 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.: 50-457  
 UNIT: Braidwood 2  
 DATE: 09/10/92  
 COMPILED BY: P. Stanczak  
 TELEPHONE: (815)458-2801  
 ext. 2486

REPORT PERIOD: August, 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>
12	920801	S		B	5		RC	P	Power reduced to obtain oil sample and vibration readings for the 2C reactor coolant pump due to an increased motor thrust bearing temperature. Results were satisfactory and power was increased.
13	920808	S		B	5		RC	P	Power was reduced to observe oil levels in the reactor coolant pump motors. Results were satisfactory and power was increased.
14	920815	S		H/B	5		RD	XFMR	While decreasing power per the load dispatcher, a rod drive urgent failure occurred. Power was increased after the rod drive power supply was repaired and rod drive testing completed.

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 \* SUMMARY \*  
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<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM &amp; COMPONENT</u>
F-Forceful	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, August 1 through August 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