



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

July 10, 1990
BW/90-0712

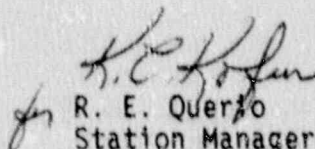
Director, Office of Resource Management
United States Nuclear Regulatory Commission
Washington, D.C. 20555

ATTN: Document Control Desk

Gentlemen:

Enclosed for your information is the Monthly Performance Report covering Braidwood Nuclear Power Station for the period June 1 through June 30, 1990.

Very truly yours,


for R. E. Quervo
Station Manager
Braidwood Nuclear Station

REQ/EWC/sjs
(4957z)

Attachments

cc: A. B. Davis, NRC Region III
NRC Resident Inspector Braidwood
Ill. Dept. of Nuclear Safety
T. J. Maiman
K. L. Graesser
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
S. Sands - USNRC
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D.R. Eggett-Nuclear Engineering Department

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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

I. Monthly Report for Braidwood Unit 1

A. Summary of Operating Experience

Braidwood Unit 1 entered the month of June at approximately 92% power. On June 8, 1990 a lightning strike tripped the unit. The unit was returned to service on June 9, 1990 and continued power operation through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456
UNIT: Braidwood 1
DATE: 07/10/90
COMPILED BY: K. M. Dundek
TELEPHONE: (815)458-2801
ext. 2480

OPERATING STATUS

1. Reporting Period: June, 1990 Gross Hours: 720
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:	720	4343	16832
6. Hours Reactor Critical:	3.3	4295.9	13393.1
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	687.5	4275.2	13124.8
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	2057969	13752497	38555705
11. Gross Elec. Energy (MWH):	705560	4781756	13261823
12. Net Elec. Energy (MWH):	673709	4606668	12663839
13. Reactor Service Factor:	96.7	98.9	79.6
14. Reactor Availability Factor:	96.7	98.9	79.6
15. Unit Service Factor:	95.5	98.4	78.0
16. Unit Availability Factor:	95.5	98.4	78.0
17. Unit Capacity Factor (MDC net):	83.5	94.7	67.2
18. Unit Capacity Factor (DER net):	83.5	94.7	67.2
19. Unit Forced Outage Rate:	4.5	1.6	4.1
20. Unit Forced Outage Hours:	32.5	67.8	568.1
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.: 50-456
UNIT: Braidwood 1
DATE: 07/10/90
COMPILED BY: K. M. Dundek
TELEPHONE: (815)458-2801
ext. 2480

MONTH: June, 1990

1.	1084	16.	986
2.	1111	17.	999
3.	1055	18.	1087
4.	1054	19.	990
5.	1073	20.	1017
6.	1075	21.	1038
7.	1101	22.	1005
8.	257	23.	1021
9.	52	24.	826
10.	298	25.	821
11.	795	26.	1025
12.	985	27.	1097
13.	985	28.	1077
14.	985	29.	1079
15.	986	30.	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: 07/10/90
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

REPORT PERIOD: June, 1990

<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>
2	900603	F	32.5	H	3	90-008	AA	NA	Rod Control overvoltage protector actuated due to a lightning strike. An engineering evaluation is being performed on the station lightning protection system for the rod drive control system.

 * SUMMARY *

<u>TYPE</u>	<u>REASON</u>	<u>METHOD</u>	<u>SYSTEM & 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 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

F. LICENSEE EVENT REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, June 1 through June 30, 1990. 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>
90-007	06-28-90	1A Auxiliary Feedwater Pump auto start during slave relay surveillance.
90-008	06-29-90	Reactor Trip due to lightning induced voltage transient in the Rod Control System.

I. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 entered the month of June at approximately 22% power, returning to service following a refueling outage. On June 3, 1990 the unit was manually shutdown to repair a low pressure turbine inner casing manway. The unit was returned to service on June 10, 1990 and continued power operation through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 07/10/90
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

OPERATING STATUS

1. Reporting Period: June, 1990 Gross Hours: 720

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:	720	4343	14914
6. Hours Reactor Critical:	552.9	2487.2	11622.5
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	548.1	2409.4	11470.2
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	1472014	5307625	31148583
11. Gross Elec. Energy (MWH):	500742	1765401	10656789
12. Net Elec. Energy (MWH):	474568	1649312	10142287
13. Reactor Service Factor:	76.8	57.3	77.9
14. Reactor Availability Factor:	76.8	57.3	77.9
15. Unit Service Factor:	76.1	55.5	76.9
16. Unit Availability Factor:	76.1	55.5	76.9
17. Unit Capacity Factor (MDC net):	58.9	33.9	60.7
18. Unit Capacity Factor (DER net):	58.9	33.9	60.7
19. Unit Forced Outage Rate:	23.9	6.7	5.3
20. Unit Forced Outage Hours:	171.9	171.9	637.6
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: 07/15/90
COMPILED BY: K. M. Dundek
TELEPHONE: (815)458-2801
ext. 2480

MONTH: June, 1990

1. _____	262	16. _____	840
2. _____	386	17. _____	983
3. _____	360	18. _____	1090
4. _____	-15	19. _____	1091
5. _____	-15	20. _____	1093
6. _____	-15	21. _____	1092
7. _____	-15	22. _____	1092
8. _____	-25	23. _____	1058
9. _____	-24	24. _____	1020
10. _____	361	25. _____	1037
11. _____	511	26. _____	1081
12. _____	513	27. _____	1078
13. _____	513	28. _____	1039
14. _____	512	29. _____	1093
15. _____	652	30. _____	1116

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: P. idwood 2
 DATE: 07/10/90
 COMPILED BY: K. M. Dundek
 TELEPHONE: (815)458-2801
 ext. 2480

REPORT PERIOD: June, 1990

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
3	900603	F	171.9	H	1	NA	TG	TRB	High Temperature on the outer shell of the Unit 2 Low Pressure Turbine due to an access cover coming off the 2A Low Pressure Turbine inner cylinder. An investigation is ongoing to determine appropriate corrective actions.

 * SUMMARY *

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.

<u>DATE</u>	<u>VALVES ACTUATED</u>	<u>NO & 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, June 1 through June 30, 1990. 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>
90-006	06-15-90	Containment ventilation isolation due to a failed detector on containment area radiation monitor.
90-007	06-22-90	Entry into limiting condition for operation 3.0.3 due to failure of two pressurizer pressure channels.
90-008	06-14-90	Spurious actuation of the unit at power permissive circuit during cold shutdown activities due to procedural deficiency.
90-009	06-29-90	Main Steam Isolation Valve inoperable due to failed four-way hydraulic valve.