



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

October 10, 1991
BW/91-0806

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 September 1 through September 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
III. Dept. of Nuclear Safety
M. J. Wallace
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
R. Pulsifer - USNRC
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JE24 11

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

On September 1, 1991 a load reduction was taken to clean the condensate/condensate booster pump strainers. Following this maintenance, the unit returned to normal operations until September 22, 1991 when load was reduced to repair an oil leak in a feedwater pump. Following repairs, the unit operated routinely the remainder of the month.

B. OPERATING DATA REPORT

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

OPERATING STATUS

1. Reporting Period: September, 1991 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:	720.0	6551	27800
6. Hours Reactor Critical:	720.0	3281.1	20208.4
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	720.0	3236.8	19867.7
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	2240283	8991557	58644627
11. Gross Elec. Energy (MWH):	771273	3064093	20144734
12. Net Elec. Energy (MWH):	43389	2884114	19205820
13. Reactor Service Factor:	100.0	50.1	72.7
14. Reactor Availability Factor:	100.0	50.1	72.7
15. Unit Service Factor:	100.0	49.4	71.5
16. Unit Availability Factor:	100.0	49.4	71.5
17. Unit Capacity Factor (MDC net):	92.2	39.3	61.7
18. Unit Capacity Factor (DER net):	92.2	39.3	61.7
19. Unit Forced Outage Rate:	0.0	30.6	12.8
20. Unit Forced Outage Hours:	0.0	1428.1	2907.1
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: 10/10/91

COMPILED BY: C. E. Pershey

TELEPHONE: (815)458-2801
ext. 2173

MONTH: September, 1991

1. _____	665 _____	17. _____	1076 _____
2. _____	651 _____	18. _____	1072 _____
3. _____	978 _____	19. _____	1058 _____
4. _____	1116 _____	20. _____	1067 _____
5. _____	1116 _____	21. _____	1066 _____
6. _____	1103 _____	22. _____	638 _____
7. _____	926 _____	23. _____	988 _____
8. _____	1066 _____	24. _____	1128 _____
9. _____	1109 _____	25. _____	1111 _____
10. _____	1102 _____	26. _____	1075 _____
11. _____	1097 _____	27. _____	1112 _____
12. _____	1114 _____	28. _____	1080 _____
13. _____	1070 _____	29. _____	1078 _____
14. _____	974 _____	30. _____	1110 _____
15. _____	1114 _____		
16. _____	1102 _____		

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: 10/10/91
COMPILED BY: C. E. Pershey
TELEPHONE: (815)458-2801
ext. 2173

REPORT PERIOD: September, 1991

No	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
13	910901	F	0.0	B	5	N/A	SD	STR	Reduced load to clean the condensate/condensate booster strainers.
14	910922	F	0.0	A	5	N/A	JJ	ACC	Reduced load to repair an oil leak on the turbine driven feedwater pump. A valve was replaced.

* S U M M A R Y *

TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A-Equipment Failure	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 & 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 EVFN. REPORTS - UNIT 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, September 1 through September 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>
91-009	09-23-91	Gas Decay Tank sample not obtained due to procedure deficiency.

I. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 entered the month in a routine coastdown. On September 13, 1991 the unit was shutdown to begin a scheduled refueling outage.

B. OPERATING DATA REPORT

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

OPERATING STATUS

1. Reporting Period: September, 1991 Gross Hours: 720

2. Currently Authorized Power Level (MW): 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:	720.0	6551	25882
6. Hours Reactor Critical:	289.3	5870.2	21909.7
7. RX Reserve Shutdown Hours:	0.0	0.0	0.0
8. Hours Generator on Line:	288.3	5821.7	21732.9
9. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
10. Gross Thermal Energy (MWH):	616849	17907375	63217403
11. Gross Elec. Energy (MWH):	205769	6091677	21626450
12. Net Elec. Energy (MWH):	189532	5855774	20683254
13. Reactor Service Factor:	40.2	89.6	84.7
14. Reactor Availability Factor:	40.2	89.6	84.7
15. Unit Service Factor:	40.0	88.9	84.0
16. Unit Availability Factor:	40.0	88.9	84.0
17. Unit Capacity Factor (MDC net):	23.4	79.8	71.4
18. Unit Capacity Factor (DER net):	23.4	79.8	71.4
19. Unit Forced Outage Rate:	0.0	4.9	4.0
20. Unit Forced Outage Hours:	0.0	297.6	911.2
21. Shutdowns Scheduled Over Next 6 Months:	September 1991 - Refuel Outage		
22. If Shutdown at End of Report Period:			
Estimated Date of Startup:	November 21, 1991		

C. AVERAGE DAILY UNIT NET POWER LEVEL LOG

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

MONTH: September, 1991

1. 729	17. -14
2. 730	18. -14
3. 721	19. -14
4. 699	20. -14
5. 694	21. -13
6. 676	22. -14
7. 666	23. -13
8. 662	24. -13
9. 654	25. -13
10. 653	26. -14
11. 647	27. -13
12. 567	28. -13
13. -13	29. -13
14. -14	30. -13
15. -14	
16. -14	

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: 10/10/91
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: September, 1991

NO	DATE	TYPE	HOURS	REASON	METHOD	LER NUMBER	SYSTEM	COMPONENT	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
2	910913	S	431.7	C	1	N/A	N/A	N/A	Scheduled second refuel outage.

 * SUMMARY *

TYPE	REASON	METHOD	SYSTEM & COMPONENT
F-Forced	A-Equipment Failure	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.

DESCRIPTION
OF EVENT

PLANT
CONDITION

VALVES
NO & TYPE

ACTUATED

DATE

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, September 1 through September 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>
91-004	09-20-91	Personnel error results in late performance of Technical Specification Surveillance.
91-005	09-27-91	Sample required by Technical Specifications obtained late due to personnel error.