



Commonwealth Edison
Braidwood Nuclear Power Station
Route #1, Box 84
Braceville, Illinois 60407
Telephone 815/455-2801

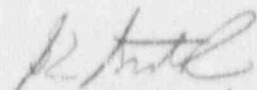
July 10, 1992
SW/92-0360

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, 1992.


K. L. Kofron
Station Manager
Braidwood Nuclear Station

KLK/JL/d1a
(590/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
T. W. Simpkin
D. R. Eggett - Nuclear Engineering Department

9207140082 920630
PDR ADOCK 0500045
R PDR

JEH

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, 1992 at approximately 99.5% reactor power. The unit operated routinely until June 7 when power was reduced to allow a containment entry. Power was reduced on June 19 to make a second containment entry. On June 20, reduced power was maintained to improve steam generator feedwater chemistry. Power was increased once chemistry was within specifications, and the unit operated routinely through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-456
 UNIT: Braidwood 1
 DATE: 07/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

OPERATING STATUS

1. Reporting Period: June, 1992 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: | 720.0 | 4367.0 | 34376.0 |
| 6. Hours Reactor Critical: | 720.0 | 4301.7 | 26581.9 |
| 7. RX Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 8. Hours Generator on Line: | 710.0 | 4282.5 | 26114.5 |
| 9. Unit Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 10. Gross Thermal Energy (MWH): | 1966107 | 13696661 | 78671177 |
| 11. Gross Elec. Energy (MWH): | 682075 | 4667500 | 26989692 |
| 12. Net Elec. Energy (MWH): | 652343 | 4487485 | 25789409 |
| 13. Reactor Service Factor: | 100.0 | 98.5 | 77.3 |
| 14. Reactor Availability Factor: | 100.0 | 98.5 | 77.3 |
| 15. Unit Service Factor: | 100.0 | 98.1 | 76.0 |
| 16. Unit Availability Factor: | 100.0 | 98.1 | 76.0 |
| 17. Unit Capacity Factor (MDC net): | 80.9 | 91.7 | 67.0 |
| 18. Unit Capacity Factor (DER net): | 80.9 | 91.7 | 67.0 |
| 19. Unit Forced Outage Rate: | 0.0 | 1.9 | 11.0 |
| 20. Unit Forced Outage Hours: | 0.0 | 84.2 | 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 LOGDOCKET NO.: 50-456
UNIT: Braidwood 1
DATE: 07/10/92
COMPILED BY: C. E. Pershey
TELEPHONE: (815)458-2801
ext. 2173

MONTH: May, 1992

| | | | |
|-----|------|-----|------|
| 1. | 1086 | 17. | 1092 |
| 2. | 1093 | 18. | 1050 |
| 3. | 1033 | 19. | 1023 |
| 4. | 1097 | 20. | 230 |
| 5. | 1059 | 21. | 236 |
| 6. | 1085 | 22. | 237 |
| 7. | 423 | 23. | 237 |
| 8. | 889 | 24. | 704 |
| 9. | 1091 | 25. | 1104 |
| 10. | 1091 | 26. | 1101 |
| 11. | 1092 | 27. | 818 |
| 12. | 1089 | 28. | 801 |
| 13. | 1084 | 29. | 993 |
| 14. | 1079 | 30. | 1095 |
| 15. | 1065 | 31. | |
| 16. | 1090 | | |

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: 07/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: June, 1992

| No | DATE | TYPE | HOURS | REASON | METHOD | LER NUMBER | SYSTEM | COMPONENT | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE |
|----|--------|------|-------|--------|--------|------------|--------|-----------|---|
| 3 | 920607 | S | 22.2 | B | 5 | | FW | ISV | Reduced load and made a containment entry to stop leakage on the steam generator level wide range lower isolation valve. Radiation levels at this power level prohibited the planned corrective maintenance. The valve was backseated, but the leakage did not stop completely. |
| 4 | 920619 | S | 23.8 | B | 5 | | FW | ISV | Reduced load and made a containment entry to stop leakage on the steam generator level wide range lower isolation. Leakage was stopped. Power was increased to 30% and maintained for a chemistry hold. |
| 5 | 920620 | S | 78.7 | F | 4 | | RC | SG | Maintained reduced load to improve steam generator feedwater chemistry. Once chemistry was within specification, load was increased. |

 * SUMMARY *

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

| <u>DATE</u> | <u>VALVE 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 1

The following is a tabular summary of all Licensee Event Reports submitted during the reporting period, June 1 through June 30, 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> |
|---|------------------------------|----------------------------|
|---|------------------------------|----------------------------|

None

I. Monthly Report for Braidwood Unit 2

A. Summary of Operating Experience

Braidwood Unit 2 entered the month of June, 1992 in a forced outage which continued from May, 1992. The forced outage ended on June 2. Full power operation was achieved on June 5 after holding at 75% reactor power to repair a main condenser tube leak. The unit operated routinely through the end of the month.

B. OPERATING DATA REPORT

DOCKET NO.: 50-457
 UNIT: Braidwood 2
 DATE: 07/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

OPERATING STATUS

1. Reporting Period: June, 1992 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: | 720.0 | 4367.0 | 32458.0 |
| 6. Hours Reactor Critical: | 706.5 | 4030.4 | 26797.0 |
| 7. RX Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 8. Hours Generator on Line: | 684.3 | 3995.3 | 26535.3 |
| 9. Unit Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 10. Gross Thermal Energy (MWH): | 2144813 | 12753861 | 78109412 |
| 11. Gross Elec. Energy (MWH): | 724443 | 4379026 | 26736466 |
| 12. Net Elec. Energy (MWH): | 695641 | 4209658 | 25572553 |
| 13. Reactor Service Factor: | 98.1 | 92.3 | 82.6 |
| 14. Reactor Availability Factor: | 98.1 | 92.3 | 82.6 |
| 15. Unit Service Factor: | 95.0 | 91.5 | 81.8 |
| 16. Unit Availability Factor: | 95.0 | 91.5 | 81.8 |
| 17. Unit Capacity Factor (MDC net): | 86.3 | 86.1 | 70.3 |
| 18. Unit Capacity Factor (DER net): | 86.3 | 86.1 | 70.3 |
| 19. Unit Forced Outage Rate: | 5.0 | 8.5 | 4.7 |
| 20. Unit Forced Outage Hours: | 35.7 | 371.7 | 1319.5 |
| 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: 07/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

MONTH: June, 1992

| | |
|----------------------|----------------------|
| 1. _____ - 15 _____ | 17. _____ 1103 _____ |
| 2. _____ 222 _____ | 18. _____ 984 _____ |
| 3. _____ 825 _____ | 19. _____ 1085 _____ |
| 4. _____ 826 _____ | 20. _____ 938 _____ |
| 5. _____ 889 _____ | 21. _____ 866 _____ |
| 6. _____ 1065 _____ | 22. _____ 1058 _____ |
| 7. _____ 1045 _____ | 23. _____ 1087 _____ |
| 8. _____ 1096 _____ | 24. _____ 1021 _____ |
| 9. _____ 992 _____ | 25. _____ 1055 _____ |
| 10. _____ 1020 _____ | 26. _____ 1028 _____ |
| 11. _____ 1111 _____ | 27. _____ 1057 _____ |
| 12. _____ 1106 _____ | 28. _____ 985 _____ |
| 13. _____ 1102 _____ | 29. _____ 1085 _____ |
| 14. _____ 1085 _____ | 30. _____ 1104 _____ |
| 15. _____ 1101 _____ | 31. _____ _____ |
| 16. _____ 1043 _____ | |

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: 07/10/92
 COMPILED BY: C. E. Pershey
 TELEPHONE: (815)458-2801
 ext. 2173

REPORT PERIOD: June, 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 & CORRECTIVE ACTION TO PREVENT RECURRENCE</u> |
|-----------|-------------|-------------|--------------|---------------|---------------|-------------------|---------------|------------------|--|
| 10 | 920601 | F | 35.7 | A | 4 | 92004 | RD | EI | Completed repairs following the B motor generator set trip on 920531. The equipment tested satisfactorily and has operated routinely since unit restart. |
| 11 | 920602 | S | 76.3 | B | 4 | | KE | TBG | A main condenser waterbox was removed from service while increasing power following the 920523 shutdown. One condenser tube was plugged and the waterbox was restored. |

 * S U M M A R Y *

| <u>TYPE</u> | <u>REASON</u> | <u>METHOD</u> | <u>SYSTEM & COMPONENT</u> |
|-------------|---|------------------|---------------------------------|
| F-Forced | A-Equipment Failure | 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-C161) |
| | 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 |
|------|--------------------|------------------------|--------------------|-------------------------|
|------|--------------------|------------------------|--------------------|-------------------------|

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, 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> |
|---|------------------------|---|
| 92-003 | 06/25/92 | 2A Essential Service Water Pump Automatic Start Due to Procedural Deficiency. |
| 92-004 | 06/30/92 | Reactor Trip Due to Loss of Both Motor Generator Sets. |