

OPERATING DATA REPORT

DOCKET NO. 50-321
 DATE 10-10-83
 COMPLETED BY: C. M. Curtis
 TELEPHONE (912) 367-7851

4235

OPERATING STATUS

Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 1
2. Reporting Period: 09-83
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 809.3
5. Design Electrical Rating (Net MWe): 777.3
6. Maximum Dependable Capacity (Gross MWe): 801.2
7. Maximum Dependable Capacity (Net MWe): 764.7
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:
9. Power Level to Which Restricted, If Any (Net MWe) 515 NMWe
10. Reasons for Restrictions, If Any: High Offgas Activity

| | This Month | Yr-to-Date | Cumulative |
|--|------------|------------|------------|
| 11. Hours In Reporting Period | 720 | 6551 | 67919 |
| 12. Number of Hours Reactor was Critical | 709.5 | 5209.5 | 48162.0 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 699.7 | 4956.7 | 45107.0 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 1207872 | 10718549 | 94966912 |
| 17. Gross Electrical Energy Generated (MWH) | 379650 | 3470960 | 30740450 |
| 18. Net Electrical Energy Generated (MWH) | 358380 | 3300005 | 29186220 |
| 19. Unit Service Factor | 97.2 | 75.7 | 66.4 |
| 20. Unit Availability Factor | 97.2 | 75.7 | 66.4 |
| 21. Unit Capacity Factor (Using MDC Net) | 65.1 | 65.9 | 56.2 |
| 22. Unit Capacity Factor (Using DER Net) | 64.0 | 64.8 | 55.3 |
| 23. Unit Forced Outage Rate | 2.8 | 6.2 | 18.8 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

25. If Shutdown at End of Report Period, Estimated Date of Startup:

26. Units in Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

B310190014 B31010
 PDR ADDCK 05000321
 PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321
 DATE: 10-10-83
 COMPLETED BY: C. M. Curtis
 TELEPHONE (912) 367-7851

MONTH 09-83

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
|-----|--|

| | |
|----|-----|
| 1 | 122 |
| 2 | 247 |
| 3 | 591 |
| 4 | 722 |
| 5 | 739 |
| 6 | 600 |
| 7 | 338 |
| 8 | 491 |
| 9 | 496 |
| 10 | 498 |
| 11 | 499 |
| 12 | 498 |
| 13 | 501 |
| 14 | 504 |
| 15 | 506 |
| 16 | 498 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
|-----|--|

| | |
|----|-----|
| 17 | 497 |
| 18 | 499 |
| 19 | 499 |
| 20 | 501 |
| 21 | 502 |
| 22 | 518 |
| 23 | 506 |
| 24 | 511 |
| 25 | 515 |
| 26 | 514 |
| 27 | 514 |
| 28 | 494 |
| 29 | 504 |
| 30 | 508 |
| 31 | |

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NARRATIVE REPORT
UNIT 1

| | | |
|----------------|------|--|
| September 1st | 0318 | Unit tied to system grid. |
| September 1st | 1536 | Reactor scram on turbine trip due to stop valve fast closure. |
| September 2nd | 0205 | Reactor critical. |
| September 2nd | 0837 | Unit tied to system grid. |
| September 6th | 1335 | Reduced load for rod sequence exchange. |
| September 8th | 0000 | Load held due to leaking fuel problems. |
| September 11th | 0030 | Reduced load for weekly turbine testing. |
| September 16th | 2120 | Reduced load for weekly turbine testing. |
| September 23rd | 2102 | Reduced load for rod pattern adjustment. |
| September 23rd | 2217 | Reduced load for weekly turbine testing. |
| September 28th | 1014 | Reduced load due to loose bolts in bearing retainer on "A" circ. water pump. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER
 DOCKET NO. 50-321
 UNIT NAME Hatch One
 DATE 10-7-83
 COMPLETED BY C.M. Curtis
 TELEPHONE 912-367-7851

Ext.-2882

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83-63 | 83-09-01 | F | 3.3 | A | 3 | N/A | HB | Valvex | Rx. scram while performing daily stop valve & control intermediate valve testing due to pressure transient in EHC system. |
| 83-64 | 83-09-01 | S | 12.3 | H | 5 | N/A | HB | Valvex | Power ascension from above outage. |
| 83-65 | 83-09-01 | F | 17.0 | A | 3 | N/A | HB | Valvex | Rx. scram on turb. trip due to stop valve fast closure. |
| 83-66 | 83-09-02 | S | 39.4 | A | 5 | N/A | HB | Valvex | Power ascension from above outage. |
| 83-67 | 83-09-06 | S | 14.4 | H | 5 | N/A | RB | Conrod | Load reduction for rod sequence exchange. |
| 83-68 | 83-09-07 | S | 20 | H | 5 | N/A | RB | Conrod | Recovery from above reduction. |
| 83-69 | 83-09-08 | F | 552.0 | H | 5 | N/A | RC | Fuelxx | Load reduction due to leaking fuel problems. |

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuations
5-Load Reduction
9-Other (Explain)

4
Exhibit G - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

5
Exhibit I - Same Source

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UNIT SHUTDOWNS AND POWER REDUCTIONS

 DOCKET NO. 50-321
 UNIT NAME _____
 DATE _____
 COMPLETED BY _____
 TELEPHONE _____
REPORT MONTH SEPTEMBER

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 83-70 | 83-09-11 | S | 2.5 | B | 5 | N/A | HA | Turbin | Load reduction due to weekly turbine test. |
| 83-71 | 83-09-16 | S | 5.7 | B | 5 | N/A | HA | Turbin | Load reduction due to weekly turbine test. |
| 83-72 | 83-09-23 | S | 3.0 | H | 5 | N/A | RB | Conrod | Load reduction for rod pattern adjustment. |
| 83-73 | 83-09-23 | S | 3.0 | B | 5 | N/A | HA | Turbin | Load reduction due to weekly turbine test. |
| 83-74 | 83-09-28 | F | 3.8 | A | 5 | N/A | B | Pumpxx | Load reduction due to loose bolts in bearing retainer on "A" circ. water pump. |

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuations
 5-Load Reduction
 9-Other (Explain)

⁴
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

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HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR SEPTEMBER 1983

| <u>NUMBER</u> | <u>DATE COMPLETED</u> | <u>DESCRIPTION</u> |
|---------------|-----------------------|--|
| 83-6740 | 9-18-83 | Replace existing damaged cryogenic valve on nitrogen storage tank. |
| 83-5805 | 7-31-83 | Removed present gauges & snubber. Installed Weksler compound liquid filled gauges with diaphragm as per DCR 83-174. |
| 82-6779 | 3-09-83 | Replaced needle & calibrated the floor drain filter pressure indicator gauge. |
| 82-1444 | 8-30-83 | Cut opening in masonry wall 16A(B) between rooms C20 & C21. Installed H.M. door & frame (C-2A). Removed existing door & frame between rooms C20 & C23. Installed new grill & closed opening. |
| 83-683 | 6-24-83 | Fabricated & installed conduit supports. Removed cable from ESS-II-320 & 321. Rerouted conduit. Pulled in cables H11-P654-E58-C074A & C075A per DCR 80-348 & terminated cables. |

OPERATING DATA REPORT

DOCKET NO. 50-366
 DATE 10-10-83
 COMPLETED BY: C. M. Curtis
 TELEPHONE (912) 367-7851

OPERATING STATUS

Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 2
2. Reporting Period: 09-83
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 817.0
5. Design Electrical Rating (Net MWe): 784.0
6. Maximum Dependable Capacity (Gross MWe): 803.9
7. Maximum Dependable Capacity (Net MWe): 774.5
8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:
9. Power Level to Which Restricted, If Any (Net MWe):
10. Reasons for Restrictions, If Any:

| | This Month | Yr-to-Date | Cumulative |
|--|------------|------------|------------|
| 11. Hours In Reporting Period | 720 | 6552 | 35689 |
| 12. Number of Hours Reactor was Critical | 664.0 | 3908.2 | 25059.3 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 644.3 | 3633.7 | 23788.8 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 1460664 | 6994220 | 50599903 |
| 17. Gross Electrical Energy Generated (MWH) | 482710 | 2335180 | 16611650 |
| 18. Net Electrical Energy Generated (MWH) | 460332 | 2205131 | 15793457 |
| 19. Unit Service Factor | 89.5 | 55.5 | 66.7 |
| 20. Unit Availability Factor | 89.5 | 55.5 | 66.7 |
| 21. Unit Capacity Factor (Using MDC Net) | 82.6 | 43.5 | 57.1 |
| 22. Unit Capacity Factor (Using DER Net) | 81.5 | 42.9 | 56.4 |
| 23. Unit Forced Outage Rate | 10.5 | 21.5 | 14.0 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | | | |

25. If Shutdown at End of Report Period, Estimated Date of Startup:
26. Units in Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366
 DATE: 10-10-83
 COMPLETED BY: C. M. Curtis
 TELEPHONE (912) 367-7851

MONTH 09-83

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
|-----|--|

| | |
|----|-----|
| 1 | 765 |
| 2 | 765 |
| 3 | 750 |
| 4 | 767 |
| 5 | 766 |
| 6 | 767 |
| 7 | 766 |
| 8 | 765 |
| 9 | 767 |
| 10 | 753 |
| 11 | 767 |
| 12 | 768 |
| 13 | 769 |
| 14 | 770 |
| 15 | 775 |
| 16 | 775 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
|-----|--|

| | |
|----|-----|
| 17 | 773 |
| 18 | 758 |
| 19 | 771 |
| 20 | 769 |
| 21 | 769 |
| 22 | 775 |
| 23 | 425 |
| 24 | -16 |
| 25 | 154 |
| 26 | 571 |
| 27 | 726 |
| 28 | 305 |
| 29 | -18 |
| 30 | 163 |
| 31 | |

(9/77)

NARRATIVE REPORT
UNIT 2

| | | |
|----------------|------|---|
| September 3rd | 0025 | Reduced load for weekly turbine testing. |
| September 10th | 0039 | Reduced load for weekly turbine testing. |
| September 17th | 2335 | Reduced load for weekly turbine testing. |
| September 23rd | 1320 | Reactor scram on false high containment pressure signal caused by bumped instrument rack. |
| September 23rd | 1600 | Extended shutdown for maintenance on E32 valve motor. |
| September 24th | 1313 | Reactor critical. |
| September 25th | 0115 | Unit tied to system grid. |
| September 28th | 1013 | Reactor manual scram due to trips on both reactor recirc pumps. |
| September 29th | 1818 | Reactor critical. |
| September 30th | 0159 | Unit tied to system grid. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER

DOCKET NO. 50-366
 UNIT NAME Hatch Two
 DATE 10-7-83
 COMPLETED BY C.M. Curtis
 TELEPHONE 912-367-7851
 Ext.-2882

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 83-26 | 83-09-03 | S | 4.6 | B | 5 | N/A | HA | Turbin | Load reduction due to weekly turbine testing. |
| 83-27 | 83-09-10 | S | 4.4 | B | 5 | N/A | HA | Turbin | Load reduction due to weekly turbine testing. |
| 83-28 | 83-09-17 | S | 5.4 | B | 5 | N/A | HA | Turbin | Load reduction due to weekly turbine testing. |
| 83-29 | 83-09-23 | F | 35.9 | H | 3 | N/A | IB | Instru | Rx. scram on false high cont. press signal caused by bumped instr. rack. |
| 83-30 | 83-09-23 | S | 10 | A | 9 | N/A | CD | MotorX | Extended shutdown for maintenance on E32 valve motor. |
| 83-31 | 83-09-25 | S | 44.8 | H | 5 | N/A | IB | Instru | Power ascension from above outage. |

1
 F: Forced
 S: Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

3
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuations
 5-Load Reduction
 9-Other (Explain)

4
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
 Exhibit I - Same Source

(10/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-366

UNIT NAME

DATE

COMPLETED BY

TELEPHONE

REPORT MONTH SEPTEMBER

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|----------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 83-32 | 83-09-28 | F | 39.8 | A | 2 | N/A | CB | Pumpxxx | Manual scram due to trips on both Rx. recirc pumps. |
| 83-33 | 83-09-30 | S | 22 | H | 5 | N/A | CB | Pumpxxx | Power ascension from above outage. |

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance of Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuations
5-Load Reduction
9-Other (Explain)

4
Exhibit G - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

5
Exhibit I - Same Source

(9/77)

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR SEPTEMBER 1983

| <u>NUMBER</u> | <u>DATE COMPLETE</u> | <u>DESCRIPTION</u> |
|---------------|----------------------|--|
| 83-4201 | 8-04-83 | Provided drain lines for reactor feedpump loop seal level indicators. |
| 83-2211 | 6-09-83 | Conduit installed & core drills made in accordance with design sketches per DCR 80-157 & FDR 80-157-70. |
| 83-2202 | 7-02-83 | Use LW&J 2-83-32. Lifted wires & removed solenoids. Reattached wires as per LW&J sheet. |
| 82-5714 | 3-31-83 | Disconnected & reconnected as necessary circuits UCX706C16/B01 & UCA90F20A/H01 from the B2 switch (2U43-N061) on the Unit 2 east cableway alarm valve, el. 112'-0" per DCR 82-133. |
| 82-5713 | 3-16-83 | Calibrated the 2 gauges (2U43-R002A) & 2U43-R002B) the B2 pressure switch (2U43-N061) on the alarm valve - el. 112' turbine building per SM 82-133-3 Rev. A (Ref. DCR 82-133). |
| 83-3553 | 7-07-83 | Reorient the flex hose shown on FDR 82-76-199 to a horizontal plane to eliminate the existing pocket. |
| 83-1325 | 5-26-83 | Prepare floor & construct equipment pads. Refer to design documents listed on attached continuation sheet. (Ref. DCR 81-174). |
| 83-1324 | 5-27-83 | Fabricated mounting sub-plate, welded plate to pad & bolted panel 2H21-P051 in place. Refer to sketches SM-81-174-14, SM-81-174,15, and FDR 81-174-11. |

| | | |
|---------|---------|---|
| 83-1323 | 5-27-83 | Fabricated mounting sub-plate, welded plate to pad and bolted panel 2H21-P050 in place. Refer to sketches SM 81-174-14, SM-81-174-15, and FDR 81-174-11. |
| 82-1616 | 6-09-83 | Installed insulation around Unit 2 D/W hangers & installed tread pads in areas of high traffic. |
| 83-2044 | 4-25-83 | Removed torus outboard purge valve from line, decontaminated, prepared valve & actuator for shipping to Wyle Lab. Removed old Tee ring, O-ring gland & o-rings, installed new Tee ring. |
| 83-4514 | 8-25-83 | Removed present plant service water pump discharge pressure gauges & snubbers installed Weksler compound liquid filled with diaphragm seals per DCR 83-124. |

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-9444



Georgia Power

Edwin I. Hatch Nuclear Plant

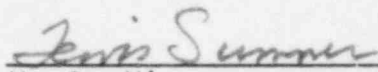
September 10, 1983
GM-83-996

PLANT E. I. HATCH
NRC Monthly Operating Report

Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sir:

Per Tech Specs section 6.9.1.6 please find attached the NRC
Monthly Operating Report for Hatch Unit 1, Docket #50-321, and
for Hatch Unit 2, Docket #50-366.


H. C. Nix
for General Manager

HLS/hh

IE24
1/1