

NARRATIVE REPORT
UNIT 1

July 1st	0000	Unit at 692 MWE on preconditioning ramp following scram on 6-27-85. No major equipment problems.
	1800	Achieved rated Maximum Dependable Capacity (MDC).
July 5th	2200	Reducing load to isolate water boxes in order to locate and plug condenser tube leaks.
	2346	Load at 405 MWE.
July 7th	1030	'B' water box put back in service after plugging three leaking condenser tubes. Ramping back to rated.
July 8th	0600	Back at rated MDC.
July 14th	0010	Reducing load for Weekly Turbine Testing.
	0120	Testing complete. Ramping back to rated.
	0310	Back at rated MDC.
July 16th	2035	HPCI operability test in progress. Load dropped below MDC.
	2145	HPCI operability test complete and satisfactory.
	2335	Load back at rated MDC.

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NARRATIVE REPORT
UNIT 1

July 19th	2135	Reducing load in order to inspect condenser for tube leaks.
	2230	Rx. power at 1673 CMWT.
July 21	0935	Condenser inspection complete. Pulling rods to increase power back to rated.
July 22	1150	Back at rated MDC.
July 24	1328	Reactor scram on MSIV not fully open trip. Going to cold shutdown for MSIV repair.
July 31st	2400	Unit in cold shutdown for MSIV repair. Expected startup on 08-04-85.

NARRATIVE REPORT
UNIT 2

July 1st	0000	Unit at 797 MWE and 2432 CMWT. No major equipment problems.
July 7th	0026	Reducing Load for Weekly Turbine Testing.
	0330	Testing complete. Back at rated MDC.
July 12th	2253	Reducing power for Weekly Turbine Testing.
July 13th	0240	Testing complete. Ramping to rated.
	0350	Back at rated MDC.
July 20th	2320	Reducing load for Weekly Turbine Testing.
	0145	Testing complete. Ramping to rated power.
	0300	Back at rated MDC.
July 22nd	2005	Small power reduction for rod pattern adjustment.
	2045	Rod pattern adjustment.
July 26th	2112	Reducing power for a control rod sequence exchange.
	0045	Power level at 350 MWE.
July 27th	0055	Weekly Turbine Testing in progress.
	0250	Rod sequence exchange in progress (Sequence A to Sequence B)
	0545	Rod sequence exchange complete. Ramping back to rated.
	1307	Turbine Testing complete.

NARRATIVE REPORT
UNIT 2

July 30th	1802	Back at rated MDC.
July 31st	2400	Unit at 100% power - 2436 CMWT and 792.3 GMWE with no major equipment problems.

HATCH 1 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
80-1404	01-15-85	Add extra cable and two new thermolinks at rolling doors between Diesel Fire Pump Room 1 & 2 and between Diesel Fire Pump Rooms and Motor Driven Pump Room. Ref. DCR 80-30
82-1850	07-16-85	Installed interior wall covering per DCR 80-348, Rev. 2 in kitchen area of control room. Ref.: NUREG 0737 (TMI)
81-1409	07-18-85	Added sample lines on MG Set "A" Lube Oil system per MR-1-81-1582 and MR-1-81-1583. Ref.: DCR 80-292
84-6452	07-15-85	Capped Heater Drain Lines to prevent inleakage, added a second isolation valve where capping was not permitted and relocated existing valves to a more accessible location. Ref.: DCR 84-260
85-1678	07-15-85	Demin Storage Tank - installed strainers on 6" pipe to pump and on 8" overflow pipe, installed 6' extender on fill pipe with threaded coupling. Ref.: DCR 85-36
85-3089	07-07-85	Replaced Plant Service Water Pump 1B and replaced mechanical pump seal. Also implemented DCR 85-106 by installing RTD's in Motor Stator windings for temperature measurement.
85-2937	07-05-85	Built temporary radio room above personnel elevator and installed air conditioning, power supply and equipment cables. Ref.: DCR 82- 226
84-5202	06-13-85	Redlined power cables R25-S105-M01 and R25-S106-M01 for Emergency Response Facility per WPS-80-157-EM28. Ref.: DCR 80-157 Rev. 1
85-3145	06-17-85	Installed new radiation readout modules in X75-Pl02 panel in Technical Support Center. (Victoreen Model 856-10) Ref.: DCR 80-157, Rev. 1

HATCH 1 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
83-408	07-30-85	Installed New Auxillary Boiler (1P61-00215). MWO covers all work. Ref.: DCR 82-98
83-2604	07-29-85	Installed conduit and conduit supports for power supply to P61-N014 and F755 (Aux. Boiler Preheater). Ref. DCR 82-98
84-0726	07-29-84	R/W Filter Flow Square Root Extractors - MWO voided. Work for DCR 82-24 done under another MWO.
85-3551	07-29-85	Modified Plant Service Air Compressor per DCR 84-32 and performed 6 month preventive maintenance (HNP-1-6360)

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
85-1452	07-17-85	Performed internal and external cable modifications to 2E11, 2E21 and 2G31 systems per WPS 83-278-E008 thru E013. Ref.: DCR 83-278
85-1948	07-09-85	Modified raceway supports in Diesel Generator Buildings as prescribed by WPS-84-054-E001 and DCR 84-54. (Appendix R)
85-1410	07-08-85	Performed internal modifications, internal wiring, splicing and terminating of cables per Work Process Sheet 83-144-E008 for HPCI and RCIC systems Ref.: DCR 83-144 (Appendix R)
85-1919	07-07-85	Modified raceway supports on 130' elevation of Reactor Building as prescribed by Work Process Sheet (WPS) 84-051-E001 and DCR 84-51. (Appendix R)
85-1628	07-08-85	Modified raceway supports on 87' elevation of Reactor Building (torus) as prescribed by Work Process Sheets (WPS) 84-53-E001 and DCR 84-53. (Appendix R)
84-898	07-16-85	Modified pipe supports on turbine bypass piping (2N37) per DCR 82-257 Rev. 1
83-4773	10-25-83	Replaced temperature indicating recorder (2T41-R620) with Leeds and Northrup model 250 per DCR 81-185.
85-2496	06-14-85	Installed insulating bushings in conduit openings in panels and junction boxes specified by WPS-81-139-J024. Ref.: DCR 81-139, Rev. 1 and DR # 2-85-312

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
85-1353	05-11-85	Replaced existing Containment Cooling System RTD's for containment atmosphere temperature monitoring with Weed RTD's per WPS 84-246-E001, 2 and 3 and J001, 2, 3, and 4. Ref.: DCR 84-246
85-1634	07-16-85	Provided water protection for 2R27-S071 starter, 1R24-S004 Motor Control Center, and associated boxes and raceways per WPS-83-225-E001. Ref.: DCR 83-225, (Appendix R)
81-3739	06-12-85	Fabricated and installed conduit supports and installed conduit for communication system (2R23) per DCR 81-31.
84-5652	07-07-85	Adjusted trip setting on molded case circuit breakers for MOV's 2B31-F031A&B per WPS 81-177-E010. Ref.: DCR 81-177 Rev. 3 and HNP-2-3850
85-2687	07-15-85	Installed level transmitter, recorder, and differential pressure switch in parallel with hotwell level controls of MSR's A,B,C,D per DCR 85-103.
82-1866	07-30-85	Auxillary Boiler System Insulation (2P61-F125) MWO voided. Work for DCR 80-333 was done under another MWO.
84-6645	07-25-85	Replaced defective Validyne Buffer Amplifier module in panel 2X75-P601 with new module and calibrated per HNP-2-5394. Ref.: WPS-80-157-EM50 and DCR 80-157, Rev. 1.

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
85-1352	07-29-85	Disconnected existing cables XZX901C13 and XZX901C14 at panels 2X75-P600 and 2X75-P602 in main control room. Repulled cables, terminated, and relined new cables per WPS-80-157-EM62 and EC24. Ref.: DCR 80-157, Rev. 1
84-6428	07-30-85	Redlined non-class 1E analog cables between panels X75-P601 and 2H11-P645 per WPS-80-157-EM41. Ref.: DCR 80-157 Rev. 1
84-416	07-31-85	Temporary Level Instruments (2B21)-MWO Voided. Work done per procedure HNP-2-10235 and HNP-2-10238. Ref.: DCR 83-173
85-1355	07-29-85	Removed cables XZX901C13 and XZX901C14 from panels 2X75-P600 and P602 in main control room. Disconnected cables per WPS-80-157-EM62. Pulled new cables via conduit 2MB1801 in order to upgrade conductor shielding per WPS-80-157-EC24 Rev. 1. Ref.: DCR 80-157, Rev. 1
84-5989	07-29-85	Disconnected cables in panels 2H11-P700 and P601 in main control room and terminated per WPS-80-157-EM37. Redlined cables per WPS-80-157-EM38. Ref.: DCR 80-157, Rev. 1
85-1098	07-29-85	Modified internal wiring in panel 2H11-P602, redlined modifications and installed metal enclosures to meet class 1E cable separation requirements per WPS-80-157-EM60. Ref.: DCR 80-157, Rev. 1

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
85-1312	07-29-85	Installed bolted flanges in the RCIC Turbine Trip-Throttle valve stem drain and governing valve stem drain lines per WPS-83-31-M001. Ref. DCR 83-31
84-1851	07-10-85	Modified and installed conduit supports to support additional fire barrier material. Ref. DCR 83-273
85-1164	07-26-85	Standby Gas Treatment Differential Pressure Transmitters. MWO voided. Work not done due to problems with design. Ref. DCR 82-147
84-4377	06-27-85	Modified pipe hangers 2P70-SBP-H900, H901 and H903 to provide zero clearance at bottom of pipe per WPS-81-112-M003. Ref. DCR 81-112
84-3799	07-05-85	Cut SBTG pipe per location drawings fabricated temporary spool piece in place of isolation dampers, fabricated 2" HBB pipe, fabricated and installed supports and modified existing supports, painted pipe supports, and performed vacuum box test. Ref. WPS-83-92-M001 and DCR 83-92.
85-851	07-25-85	Installed and redlined internal wiring modification in TSC HVAC control panels X75-Pl02 and X75-P001 per WPS-80-157-EM57. Ref. DCR 80-157, Rev. 1

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS
TO BE REPORTED FOR JULY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
85-840	07-25-85	Removed temporary volume control and amplifier for TSC communication system and redlined work per WPS-80-157-EM47. Ref. DCR 80-157, Rev. 1
85-1918	07-29-85	Changed tag number on relay 2E51A-K54 to 2E51A-K56 in panel 2H11-P623 under DCR 80-157, Rev. 1 and change all associated wire numbers per FCR 80-157-550. Ref. WPS-80-157-EM65
85-1436	07-25-85	Disconnected internal and external wiring to existing Buchanan terminal blocks in panel 2X75-P601, replaced terminal blocks with Beau type 76030, reterminated wiring, and redlined work per WPS 80-157-EM63. Ref.: DCR 80-157, Rev. 1
85-1097	07-29-85	Installed internal wiring modifications and wire number changes in TSC panel 2X75-P102 and calibrated 2X75-DPIS-N019 and N020 instruments per WPS-80-157-EM58. Also redlined work done under WPS-890-157-EC22 Ref. DCR 80-157, Rev. 1

OPERATING DATA REPORT

DOCKET NO. 50-321
 DATE 08-10-85
 COMPLETED BY: Lee M. Kanipe, Jr.
 TELEPHONE (912) 367-7781 x 2882

OPERATING STATUS

- | | |
|--|-----------------|
| 1. Unit Name: E. I. Hatch Nuclear Plant | Unit 1 |
| 2. Reporting Period: | 07-85 |
| 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): | 752.2 |
| 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) | No Restrictions |
| 10. Reasons for Restrictions, If Any: | N/A |

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	5087	83999
12. Number of Hours Reactor was Critical	565.5	4255.1	59419.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	565.5	4059.0	55926.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1277544	9066559	118435749
17. Gross Electrical Energy Generated (MWH)	415910	2974250	38229970
18. Net Electrical Energy Generated (MWH)	395839	2837099	36294945
19. Unit Service Factor	76.0	79.8	66.6
20. Unit Availability Factor	76.0	79.8	66.6
21. Unit Capacity Factor (Using MDC Net)	70.7	74.1	57.4
22. Unit Capacity Factor (Using DER Net)	68.4	71.7	55.6
23. Unit Forced Outage Rate	24.0	14.9	17.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling Outage beginning November 30, 1985	14 weeks		

25. If Shutdown at End of Report Period, Estimated Date of Startup: 08-04-85

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321
 DATE: 08-10-85
 COMPLETED BY: Lee M. Kanipe Jr.
 TELEPHONE (912) 367-7781 x 2882

MONTH 07-85

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	733
2	767
3	768
4	769
5	750
6	392
7	573
8	758
9	763
10	762
11	763
12	765
13	763
14	759
15	763
16	763

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

17	764
18	761
19	741
20	278
21	506
22	751
23	759
24	422
25	-15
26	-14
27	-14
28	-14
29	-14
30	-14
31	-14

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY

DOCKET NO. 50-321
 UNIT NAME Hatch One
 DATE 08-10-85
 COMPLETED BY Lee Kanipe
 TELEPHONE (912) 367-7851 x288

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
85-62	850701	S	18.0	B	5	N/A	EB	TRANSF	Power ascension following scram 06-27-85 continues.
85-63	850705	S	44.0	A	5	N/A	HC	HTEXCH	Power reduced to isolate water boxes in order to locate and plug condenser tube leaks.
85-64	850714	S	3.0	B	5	N/A	HA	TURBIN	Weekly Turbine Testing
85-65	850716	S	3.0	B	5	N/A	SF	PUMPXX	HPCI operability test performed, HNP-1-3303.
85-66	850719	S	62.3	B	5	N/A	HC	HTEXCH	Load Reduction in order to locate and plug condenser tube leaks.
85-67	850724	F	178.6	A	3	1-85-27	CD	VALVEX	Rx. Scram on MSIV not fully open trip. Unit going to cold shutdown for MSIV repair.

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)

OPERATING DATA REPORT

DOCKET NO. 50-366
 DATE 08-10-85
 COMPLETED BY: Lee M. Kanipe Jr.
 TELEPHONE (912) 367-7781 x 2882

OPERATING STATUS

1. Unit Name: E. I. Hatch Nuclear Plant	Unit 2
2. Reporting Period:	07-85
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):	747.9
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):	No Restrictions
10. Reasons for Restrictions, If Any:	N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	5087	51624
12. Number of Hours Reactor was Critical	744.0	3876.5	34056.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	3780.8	32404.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1772424	8852736	70054318
17. Gross Electrical Energy Generated (MWH)	584810	2942960	23102440
18. Net Electrical Energy Generated (MWH)	561051	2813027	21975476
19. Unit Service Factor	100.0	74.3	62.8
20. Unit Availability Factor	100.0	74.3	62.8
21. Unit Capacity Factor (Using MDC Net)	100.8	73.9	56.9
22. Unit Capacity Factor (Using DER Net)	96.2	70.5	54.3
23. Unit Forced Outage Rate	0.0	3.1	11.8
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
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INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366
 DATE: 08-10-85
 COMPLETED BY: Lee M. Kanipe Jr.
 TELEPHONE (912) 367-7781 x 2882

MONTH 07-85

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	777
2	777
3	775
4	776
5	776
6	778
7	770
8	773
9	772
10	772
11	771
12	772
13	763
14	772
15	771
16	772

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

17	772
18	772
19	771
20	772
21	760
22	767
23	770
24	765
25	768
26	746
27	458
28	654
29	713
30	760
31	762

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY

DOCKET NO. 50-366
 UNIT NAME HATCH TWO
 DATE 08-10-85
 COMPLETED BY Lee Kanipe
 TELEPHONE (912) 367-7851 x. 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
85-36	850707	S	3.07	B	5	N/A	HA	TURBIN	Weekly Turbine Testing
85-37	850712	S	4.95	B	5	N/A	HA	TURBIN	Weekly Turbine Testing
85-38	850720	S	3.67	B	5	N/A	HA	TURBIN	Weekly Turbine Testing
85-39	850722	S	0.67	B	5	N/A	RC	CONROD	Rod Pattern Adjustment
85-40	850726	S	92.83	B	5	N/A	RC	CONROD	Rod Sequence Exchange

¹ F: Forced
S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or 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)

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



Edwin I. Hatch Nuclear Plant

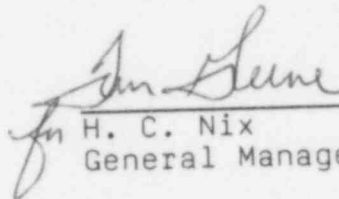
August 6, 1985
LR-MGR-028-0885

PLANT E. I. HATCH
NRC Monthly Operating Report

Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region II Suite 3100
101 Marietta Street
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
General Manager

W2 EZW JHR
HCN/CTJ/GAG/EZW/JHR/bb

xc: T. V. Greene
E. Z. Wanab
J. H. Richardson
Document Control File

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