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Edwin I. Hatch Nuclear Plant

Georgia Power

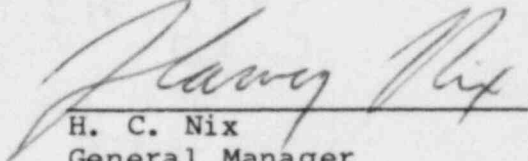
September 5, 1984
GM-84-770

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
General Manager

HCN/CTJ/JAB/hh

8412100477 840905
PDR ADDCK 05000321
R PDR

NARRATIVE REPORT
UNIT 1

August 1st	0000	All control rods out, beginning end of cycle coastdown.
August 3rd	2146	Reactor scram on TCV fast closure, short in 1B unit auxiliary transformer.
August 4th	1729	Reactor critical.
	2350	Turbine tied to line, normal ramp to 105% core flow.
August 11th	0224	Decreasing power to 355 GMWe for transformer work.
	0440	Transformer work completed, increasing power to 105% core flow.
August 18th	0023	Decreasing power to 680 GMWe for HNP-1-1053, weekly turbine testing.
	0145	Turbine testing complete, increasing power to 105% core flow.
	1005	B Recirc pump tripped.
	1705	1A recirc pump tripped.
	1711	B recirc pump started.
	1845	B recirc pump tripped, fluid drive B lube oil pressure low.
	1850	B recirc pump on.
August 19th	0215	1A recirc pump on, increasing power to 105% core flow.
August 28th	1820	Losing vacuum.
	1822	Dropped load to 540 GMWe. Vacuum holding.
	1845	Losing vacuum, dropping load.
	1948	Reactor manual scram.

Date
8/10/93

NARRATIVE REPORT
UNIT 1

August 29th	0523	Reactor critical.
	1738	Turbine tied to line, normal ramp to 105% core flow.
	2217	Load at 390 GMWe, holding for -1.
August 30th	0210	Increasing power to 105% core flow.
August 31st	0235	Load at 644 GMWe, experiencing vacuum problems.
	0245	Load reduced to 367 GMWe.
	0258	Vacuum holding, increasing load to 400 GMWe.
	0305	Losing vacuum.
	0308	Reactor manual scram.

HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-404	04-19-84	Installed kaowool and cable tray supports in intake structure. Ref. DCR 83-153.
84-2394	06-05-84	Installed time delay relay in RFPT A trip circuit for low suction pressure. Ref. DCR 84-117, Rev. 1.
84-2393	06-05-84	Installed time delay relay in RFPT B trip circuit for low suction pressure. Ref. DCR 84-117, Rev. 1.
84-2148	05-30-84	Added two spool pieces to accommodate flexible hoses for torus water cleanup pump and demin system. Ref. DCR 82-188.
84-4524	08-16-84	Replaced SRV tailpipe temperature recorder. Ref. DCR 84-001.
82-7863	01-21-83	Fabricated and installed supports and relocated vacuum system piping. Ref. DCR 80-348.
82-6376	02-14-82	Calibrated drywell sump rad monitors. Ref. DCR 79-473.
82-8549	03-31-83	Redlined electrical power cables and meggered heat tracing cables on 120/208V AC panel 1Z and 1AA. Ref. DCR 82-107.
83-6975	10-05-83	Calibrated fire protection Grinnel B-2 pressure switch. Ref. DCR 80-322.
82-2729	09-15-82	Installed sanitray drains, vent lines, and sump pump in control room. Ref. DCR 80-348.
82-5346	09-14-82	Installed piping, NV-16 valve, CY valve, and pipe supports for nitrogen storage tank fill line. Ref. DCR 82-201.

HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-4862	08-17-84	Installed positive lubrication arrangement for RCIC trip and throttle valve 1E51-C002. Ref. DCR 83-150.

OPERATING DATA REPORT

DOCKET NO. 50-321
 DATE 09-10-84
 COMPLETED BY: P.J. North
 TELEPHONE (912) 367-7851

OPERATING STATUS

Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 1
2. Reporting Period: 08-84
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)
10. Reasons for Restrictions, If Any:

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	5855	75982
12. Number of Hours Reactor was Critical	704.9	4966.7	54491.8
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	675.2	4806.6	51199.6
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1434030	10856962	108074990
17. Gross Electrical Energy Generated (MWH)	435960	3399500	34857670
18. Net Electrical Energy Generated (MWH)	412468	3233434	33092797
19. Unit Service Factor	90.8	82.1	67.4
20. Unit Availability Factor	90.8	82.1	67.4
21. Unit Capacity Factor (Using MDC Net)	73.7	73.4	57.9
22. Unit Capacity Factor (Using DER Net)	71.3	71.0	56.0
23. Unit Forced Outage Rate	9.2	16.7	18.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling 10-1-84 10 week duration			

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. 50-321
 DATE: 09-10-84
 COMPLETED BY: P.J. North
 TELEPHONE (912) 367-7851

MONTH 08-84

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	681	17	658
2	678	18	448
3	612	19	555
4	-19	20	670
5	439	21	652
6	604	22	653
7	672	23	650
8	665	24	646
9	662	25	642
10	660	26	643
11	428	27	640
12	525	28	508
13	618	29	36
14	675	30	509
15	662	31	53
16	660		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 50-321
 UNIT NAME Hatch 1
 DATE 9-3-84
 COMPLETED BY P. J. North
 TELEPHONE 912-367-7851

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
84-59	840801	F	744	A	5	NA	HA	TURBIN	13th Stage Buckets Were Damaged & Out for the Duration of August.
84-60	840803	F	26.07	A	3	1-84-15	EG	TRANSF	Short in 1B Aux. Transformer. Scram On TCV Fast Closure.
84-61	840804	F	2.27	B	5	NA	EG	TRANSF	Load Reduction for Transformer Work.
84-62	840818	S	1.37	B	5	NA	HA	TURBIN	Load Reduction for Weekly Turbine Testing.
84-63	840818	F	16.17	A	5	NA	CB	PUMPXX	Recirc Pump Trips.
84-64	840828	F	1.47	A	5	NA	HF	FILTER	Loss of Condenser Vacuum. Circ. Water Screens Clogged.
84-65	840828	F	21.83	A	2	NA	HF	FILTER	Loss of Condenser Vacuum. Circ. Water Screens Clogged. 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

REPORT MONTH August

DOCKET NO. 50-321
 UNIT NAME Hatch 1
 DATE 9-3-84
 COMPLETED BY P. J. North
 TELEPHONE 912-367-7851

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
84-66	840829	S	3.88	H	5	NA	IF	INSTRU	Power Increase Discontinued for P-1 Run.
84-67	840831	F	.55	A	5	NA	HC	XXXXXX	Loss of Condenser Vacuum From In Leakage Through Crack Between Condenser & LP Turbine.
84-68	840831	F	20.87	A	2	NA	HC	XXXXXX	Loss of Condenser Vacuum From In Leakage Through Crack Between Condenser & LP Turbine. 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

NARRATIVE REPORT
UNIT 2

August 1st	0000	Recirc piping outage still in progress.
August 29th	0546	Reactor critical. Holding power at approx. 25 CMWt for testing.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-988	02-21-84	Installed jumpers on the internal side, and opened links to modify main steam leak detection temp. switches. Ref. DCR 81-139, Rev. 1.
84-3800	07-27-84	Calibrate RHRSW flow indicators for 0-10000 GPM and fabricate new scales indicating 0-10000 GPM flow. Ref. DCR 82-158.
84-3015	08-04-84	Installed concrete wedge anchors at 114' elevation of drywell per HNP-6942. Ref. DCR 83-173.
84-2259	07-21-84	Fabricated & installed startup instrumentation brackets at locations A1, A3, B1, and B3. Ref. DCR 83-173.
84-2524	07-21-84	Fabricated & installed startup instrumentation brackets at locations A9, A2, A4, F2, and B4. Ref. DCR 83-173.
83-934	07-24-84	Primary containment cooling system. Assembled & installed the auxiliary drywell cooler 2T47-B010A. Ref. DCR 81-8.
83-933	07-24-84	Primary containment cooling system. Assembled & installed the auxiliary drywell cooler 2T47-B010B. Ref. DCR 81-8.
83-1856	05-11-84	HPCI-RCIC performance verification package. Routed & supported conduits per HNP-6921. Ref. DCR 81-174.
84-374	03-27-84	MSIV (outboard). Installed improved design stem/disk assembly. Ref. DCR 83-46.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-739	07-24-84	Unit 2 installed the prefabricated ductwork for primary cooling units A and B. Installed/assembled associated hangers. Ref. DCR 81-008.
84-546	06-26-84	Calibrated & installed HPCI lube oil cooler discharge temp. switch. Ref. DCR 82-154.
84-1903	07-02-84	Performed flush & hydro on instruments 2E21-N003A & H051A. Ref. DCR 81-139, Rev. 1.
84-2643	07-02-84	Performed flush tests for new tubing installed on 2E41 system. Ref. DCR 81-139, Rev. 1.
84-2642	08-06-84	Performed flush tests for instrument tubing on 2E51 system. Ref. DCR 81-139.
84-2664	07-06-84	Installed hangers on 2B31-T45. Ref. DCR 83-173.
84-2732	07-03-84	Performed flushing & hydro tests for new instrument testing. 2H21-P414A/B. Ref. DCR 81-139.
84-3051	07-12-84	Performed flushing & hydro tests for new instrument tubing for 2E41 system. Ref. DCR 81-139.
84-3052	07-12-84	Performed flushing & hydro tests for new instrument tubing for 2E51 system. Ref. DCR 81-139.
84-3415	07-24-84	Install brackets to recirc pump seal flange covers. Temporary, used to support instrumentation during startup. Ref. DCR 83-173.
84-3336	07-16-84	Removed 11 existing SRV discharge line 6" vacuum breakers & replace with new vacuum breakers. Ref. DCR 84-94.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-2526	07-26-84	Installed flange set in seal water line on RWCU pump seal water system. Ref. DCR 79-96.
84-1113	06-11-84	Removed 50 amp trip elements (motor suction pump) from 2R23-S003-FT6 to be temporarily used in Unit 1. Ref. DCR 84-103.
84-3685	07-25-84	Removed temporary thermocouple on SDV level switch. Ref. DCR 80-318.
84-3298	07-23-84	Performed flushing & hydro tests on new instrument tubing for 2E41 system. Ref. DCR 81-139.
84-2559	07-02-84	Performed flushing & hydro tests on new instrument tubing for 2E32 system. Ref. DCR 81-139.
84-2078	07-02-84	Performed flushing & hydro testing on new instrument tubing for 2G31 system. Ref. DCR 81-139.
84-2271	07-17-84	Meggered cables in conduit 2E23565. RHR service water pump RTD's. Ref. DCR 83-153.
84-1618	06-04-84	Nitrogen inerting system. Implement DCR 84-049 per WPS 84-049-E002 & 84-049-E003. Ref. DCR 84-049.
84-2262	07-02-84	Performed flushing on new instrument tubing for instrument racks 2H21-P415A/B & 2H21-P425A/B. Ref. DCR 81-139, Rev. 1.
84-2261	07-02-84	Performed flushing & hydro testing on new instrument tubing lines installed for 2C71-N050A-D & 2E11-N094A-D. Ref. DCR 81-139, Rev. 1.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-2077	07-02-84	Performed flushing on new instrument tubing for instrument racks 2H21-P404A-D, 2H21-P405A-E, 2H21-P409, & 2H21-P410. Ref. DCR 81-139, Rev. 1.
84-3562	07-25-84	Remove the grapple mast from the Unit 2 refueling platform & install on the Unit 2 refueling platform. Ref. DCR 84-210.
84-2934	07-02-84	Performed flushing & hydro testing for new instrument tubing installed on 2E51 system. Ref. DCR 81-139.
84-2278	09-15-82	Painted piping hangers in LPCI inverter room coolers. Ref. DCR 78-68.
83-6506	04-15-84	Installed line voltage regulator 2C71-S002 & pad. Ref. DCR 82-258.
84-372	03-27-84	Installed improved design stem/disk assembly on outboard MSIV 2B21-F028D. Ref. DCR 83-46.
84-1105	07-16-84	Installed hydro loose ports on the scram discharge header. Ref. DCR 83-275.
84-1377	04-01-84	Removed the "B" recirc pump suction flow splitters. Ref. DCR 84-118.
84-1378	04-01-84	Removed the "A" recirc pump suction flow splitters. Ref. DCR 84-118.
84-1466	04-04-84	Recirc pump flow splitters. Ground out all splitter indications up to but not exceeding 1/4 of an inch of the pump casing wall. Ref. DCR 84-118.
84-1691	07-05-84	Installed radiation shielding for MSIV leakage control system flow elements. Ref. DCR 83-121.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-1697	05-21-84	Replaced flange gaskets on MSIV leakage control system blowers. Ref. DCR 83-272.
84-1786	07-05-84	Replaced D/G "B" air start system pressure switches. Ref. DCR 80-98.
84-1980	07-02-84	Performed flushing & hydro testing of new instrument tubing lines installed for 2E11 system. Ref. DCR 81-139, Rev. 1.
84-2169	07-10-84	Replaced existing B-7 grade stud with ASME-5A193-B8 stud with B-8 nuts on RWCU F/D "B" post strainer. Ref. DCR 84-164.
84-2246	06-29-84	Added bolts to hold NV-202 bypass manifold to hanger TS-005 on standby diesel service water D.P. indicator. Ref. DCR 81-145.
84-2591	06-18-84	Repaired loose valve stem on scram discharge volume vent valve 2C11-F035B. Ref. DCR 82-206.
83-1917	05-10-84	Pulled cables for HPCI-RCIC performance improvement package. Ref. DCR 81-174.
84-3316	07-27-84	Terminated LPCI inverters (2R44-S002) & 2R44-S003) output power cables directly on motor control center's (2R24-S018A & 2R24-S018B) horizontal bus thus eliminating the MCC feeder breakers. Ref. DCR 84-134.
84-1900	07-03-84	Added two isolation valves to RWCU system 2G31-F145, 2G31-F136. Ref. DCR 83-206.
83-2321	01-27-84	Provided internal wiring for additional instruments/circuits for CRD vents and drains. Ref. DCR 82-206.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-3132	07-12-84	Terminated cables & performed internal wiring in panels to implement required logic changes in standby gas treatment & ventilation system. Ref. DCR 81-139, Rev. 1.
84-3056	08-09-84	Replaced existing drywell ambient air temperature RTD's with new 79-01B qualified RTD's. Ref. DCR 84-148.
84-3281	08-15-84	Replaced solenoid valves on scram discharge volume vent & drains. Ref. DCR 82-206.
83-1753	08-14-84	Terminated cables for HPCI-RCIC performance verification package. Ref. DCR 81-174.
84-1955	07-10-84	Installed torus/drywell vacuum breaker flexible metal hose assemblies. Ref. DCR 84-002.
83-1723	04-21-83	Replaced two seismic hangers on Unit 2 corridor fire protection system. Ref. DCR 78-114.
84-1894	07-12-84	Replaced HPCI solenoid valves. Ref. DCR 82-008.
84-2034	06-08-84	Replaced plant service water backwash piping. Ref. DCR 82-94.
84-1611	05-09-84	Installed jumpers & removed Lexan windows from the fused disconnect panels for hydrogen recombiner system. Ref. DCR 83-038.
84-4223	08-16-84	Replaced existing pipe clamp 2B31-S40 with new pipe clamp. Ref. DCR 83-173.
84-4381	08-17-84	Rewired HPCI stop valve limit switch 2E41-P05-N074. Ref. DCR 82-008.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
83-4518	08-01-84	Fabricated & installed RWCU whip restraint F. Ref. DCR 83-103.
84-1787	08-10-84	Installed lube oil keep warm system modification on D/G 2B. Ref. DCR 82-259.
83-2896	02-03-84	Tagged panel valves & instrument valves for ATTS instrument racks. Ref. DCR 81-139, Rev. 1.
84-2851	08-13-84	Relocated hydrogen recombiner flow transmitters. Ref. DCR 83-37, Rev. 1.
83-2322	02-07-84	Terminated cables pulled for DCR 82-206 for CRD vents and drains. Ref. DCR 82-206.
84-3133	07-16-84	Replaced SRV discharge line vacuum breaker. 2B21-F110G. Ref. DCR 83-228.
84-3216	07-16-84	Installed bumper into pipe tee for SRV discharge line vacuum breaker. 2B21-F110F. Ref. DCR 83-228.
84-3215	07-16-84	Installed bumper into pipe tee for SRV discharge line vacuum breaker 2B21-F110D. Ref. DCR 83-228.
84-3214	07-16-84	Installed bumper into pipe tee for SRV discharge line vacuum breaker. 2B21-F110B. Ref. DCR 83-228.
83-5003	05-10-84	Fabricated & installed mounting brackets for valve position transducers for HPCI-RCIC performance verification package. Ref. DCR 81-174.
84-3068	07-20-84	Fabricated & installed startup instrumentation brackets at locations A7, A8, and B7. Ref. DCR 83-173.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-1408	07-17-84	Temporarily removed cables & a section of conduit to allow installation of racwasy support arm. Ref. DCR 83-153.
84-3096	07-17-84	Set breaker trip elements & bench test breakers for 125/250 VDC nonessential switchgears 2C & 2D. Ref. DCR 82-254.
84-2558	06-16-84	Repaired indicating lights on valve 2C11-F035B. Ref. DCR 82-206.
84-2181	06-29-84	Installed core spray minimum flow bypass valve 2E21-F031A. Ref. DCR 84-99.
84-3387	07-19-84	Performed hydrostatic testing of drywell pneumatic system piping between 2P70-F055 & 2B21-F024A. Ref. DCR 83-173.
83-3046	07-09-84	Replaced motor on 2E21-F031A core spray minimum flow bypass valve. Ref. DCR 84-99.
84-1885	05-14-84	Recalibrated time delay relays on 2E11 system. Ref. DCR 82-174.
84-2729	07-31-84	Field routed temporary cables for startrec junction boxes 2F41-J001, J003. Ref. DCR 83-173.
83-926	06-20-84	Replaced HPCI MOV actuating motor on 2E41-F011, F012. Ref. DCR 81-177.
84-3495	08-14-84	Installed & calibrated pump sensors for startup testing on 2B31-C001A/B. Ref. DCR 83-173.
84-1501	04-17-84	Moved circuits from D020, 21 P611C to DD43,43 for scram discharge volume vent & drains. Ref. DCR 82-206.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-2185	07-05-84	Removed & relocated 2C11-F037 valve on CRD vents & drains. Ref. DCR 82-206.
84-3048	07-26-84	Performed hydrostatic testing on RBCCW piping at A and B loop recirc motors. Ref. DCR 83-173.
84-3054	07-11-84	Removed for flush and hydro test, and reinstalled RCIC turbine exhaust restricting orifice. 2E51-D008. Ref. DCR 81-139.
84-3490	08-02-84	Flushed RHR testable check valve bypass lines to the 2E11-F050A/B check valves. Ref. DCR 83-284.
84-3053	07-11-84	Removed for flush & hydro test, and reinstalled HPCI turbine exhaust restricting orifice 2E41-D011. Ref. DCR 81-139.
84-2547	08-05-84	Installed time delay relay in panel 2H11-P620 for the automatic closure of HPCI pump discharge to CST MOV 2E41-F008. Ref. DCR 83-215.
84-1207	05-17-84	Added valve & flanges to nitrogen inerting system vent header. Ref. DCR 84-049.
84-3590	08-17-84	Installed drywell fire protection thermistors on 2T43-N031A/B. Ref. DCR 83-173.
84-3247	08-20-84	Performed hydro testing on 2B21 analog trip system. Ref. DCR 81-139.
84-910	07-02-84	Installed pipe supports for CRD vents & drains. Ref. DCR 82-257.
84-913	08-09-84	Modified existing pipe supports 2C11-CRD-H90, 2C11-CRD-H99, 2C11-SKFG-H84, 2C11-SKFG-H83. Ref. DCR 82-257.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-1481	06-18-84	Modified pipe support 2G11-S4-H800. Ref. DCR 82-257.
84-4830	08-19-84	Adjusted cold setting on snubbers 2B31-SS-A3, A13, B3. Ref. DCR 83-173.
83-5308	02-13-84	Mounted relay & switch for trip monitoring & control panel 2H11-P607. Ref. DCR 83-22.
83-2899	06-02-83	Disconnected the portion of circuits not made operative during this outage for ATTS. Ref. DCR 81-139.
84-2523	07-17-84	Replaced existing reactor coolant sample primary containment isolation valve Q2B21-SV-F111, F112 with air operated versions Q2B21-AOV-F111, F112 for post accident sampling system. Ref. DCR 79-476, Rev. 1.
84-2395	07-17-84	Modified relief valve drain line to CRW including tubing & supports for post accident sampling system. Ref. DCR 79-476, Rev. 1.
84-951	05-17-84	Replaced MSIV leakage control pressure transmitter & support 2E32-PT-W055. Ref. DCR 83-10.
84-1550	05-25-84	Removed orifice from lower flange & installed gasket on 2G31-C001A, B. Reactor water cleanup system. Ref. DCR 83-040.
84-2421	06-14-84	Relocated conduit support CS-702-02. Ref. DCR 82-254.
84-3332	08-16-84	Replaced HPCI turbine stop valve limit switch QRE41-POS-N074. Ref. DCR 82-008, Rev. 1.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-3459	08-19-84	Installed conduit supports, isolated ground bus, & 110 VAC duplex receptacle for HPCI-RCIC performance verification package. Ref. DCR 81-174.
84-3476	08-15-84	Calibrated HPCI lube oil temperature switch 2E41-N754. Ref. DCR 82-154.
84-1231	07-19-84	Modified existing piping and hangers for post LOCA hydrogen recombiner drain loop seal. Ref. DCR 83-269.
84-1021	07-23-84	Modified pipe support 2C11-CRD-HR5. Ref. DCR 82-257.
84-912	06-12-84	Modified pipe supports 2C11-HT-2009-H123, H148. Ref. DCR 82-257, Rev. 1.
84-2269	08-20-84	Installed & calibrated process instrumentation taps for startup instrumentation. Ref. DCR 83-173.
84-952	07-02-84	Modified pipe supports 2P41-S5-H801, H802, H808, H810, H812, H813, H814, H815, H805. Ref. DCR 82-257, Rev. 1.
84-1527	07-17-84	Modified pipe supports 2C11-SKI-H16 thru H29. Ref. DCR 82-257. Rev. 1.
83-4944	01-03-84	Installed flanges, level switches, & level elements for reactor protection system, scram discharge volume. Ref. DCR 82-220.
84-1482	07-02-84	Modified pipe supports for 2G31 system. Ref. DCR 82-257.
84-3979	08-07-84	Redlined internal wiring & components for 125/250 VDC non-essential switchgears. Ref. DCR 82-254.

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR August 1984

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
83-6003	07-18-84	Installed pipe system, hydro tested, and pointed RWCU pump seal water system. Ref. DCR 79-96.

OPERATING DATA REPORT

DOCKET NO. 50-366
 DATE 09-10-84
 COMPLETED BY: P. J. North
 TELEPHONE (912) 367-7851

OPERATING STATUS

Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 2
2. Reporting Period: 08-84
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):
10. Reasons for Restrictions, If Any:

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	5855	43608
12. Number of Hours Reactor was Critical	66.2	374.4	27445.6
13. Reactor Reserve Shutdown Hours	0.0	0	0
14. Hours Generator On-Line	0.0	308.2	26096.1
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWH)	1638	728550	55944805
17. Gross Electrical Energy Generated (MWH)	0	242640	18414420
18. Net Electrical Energy Generated (MWH)	-5475	210385	17499492
19. Unit Service Factor	0.0	5.3	59.8
20. Unit Availability Factor	0.0	5.3	59.8
21. Unit Capacity Factor (Using MDC Net)	-1.0	4.8	53.7
22. Unit Capacity Factor (Using DER Net)	-0.9	4.6	51.2
23. Unit Forced Outage Rate	0.0	0.0	13.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Recirc piping outage still in progress.			

25. If Shutdown at End of Report Period, Estimated Date of Startup: Critical 8/29/84, Tied to Line 9-3-84

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: 09-10-84
 COMPLETED BY: P. J. North
 TELEPHONE (912) 367-7851

MONTH 08-84

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-6	17	-8
2	-6	18	-7
3	-6	19	-7
4	-6	20	-7
5	-6	21	-7
6	-6	22	-6
7	-6	23	-6
8	-6	24	-5
9	-6	25	-6
10	-7	26	-6
11	-7	27	-10
12	-7	28	-13
13	-7	29	-11
14	-7	30	-12
15	-7	31	-14
16	-8		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 50-366
 UNIT NAME Hatch 2
 DATE 9-3-84
 COMPLETED BY P. J. North
 TELEPHONE 912-367-7851

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
84-5	840801	S	744	H	2	NA	CB	PIPEXX	Recirc Pipe Replacement 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