

NARRATIVE REPORT
UNIT 1

December 1st

0000

Unit Refueling Outage in Progress.

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PDR ADOCK 05000321
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NARRATIVE REPORT
UNIT 2

December 1st	0000	Unit is at 0% power due to scram on low water level indication caused by valve isolation mistake by SPDS on 11/29/84.
December 2nd	0231	Generator tied back to line.
	1235	Rod movement.
	1300	HNP-2-1053 and HNP-2-1054 (weekly turbine tests & RFPT tests) 50% power.
	2345	Lost 4th stage heater reducing power flow 60%.
December 3rd	0000	Unit at 46% power.
	1515	Reducing Rx load to work on F/W heater 7th stage '8'.
	2130	6th, 7th, 8th stage heater B string out of service 20% power.
December 4th	0000	Rx still at 20%.
	0345	6th, 7th, 8th, stage heater 'B' string back in service.
	1201	6th, 7th, 8th stage heaters returned to service. Pulling control rods.
December 5th	0000	Unit at 60% increasing load.
December 6th	0000	Unit at 97% on preconditioning ramp.
	1110	Unit at rated power 2436 MWT, 800 MWe.
December 7th	2153	Reducing power for pattern adjustments & weekly turbine tests.
December 8th	0049	HNP-2-3939 (Control Rod Exercise) in progress.
	1015	HNP-2-3939 complete.

December 8th	1045	Reducing Rx power to perform HNP-2-3111 on MS IV 2B21-F028C.
December 9th	0630	Unit at 2350 CMWT & 786 MWe.
December 14th	2400	Reducing load for HNP-2-3939 & HNP-2-1053.
December 15th	0451	HNP-2-3939 complete.
December 21st	2338	Reducing load to 700 MWe for turbine testing and HNP-2-3939.
December 22nd	0600	Power increased to rated following turbine testing & HNP-2-3939.
December 24th	0915	Normal Rx shutoff in progress in order to repair both inop. drywell floor drain sump pumps and sources of increasing drywell floor drain leakage.
	1005	Rx power at 755 MWe and decreasing.
	2100	Rx manually scrammed.
December 29th	0238	Rx critical
	0510	Rx mode sw. in run
December 30th	1627	Rx scram due to high level MSR.
	2235	Pulling rods for startup.
December 31st	0510	Rx mode switch in run position.
	0830	Rx power increase stopped unable to open 2N36-F005A.
	0915	2N36-F005A open.
	2400	Unit at 600 MWe and increasing.

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

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-5814	12-12-84	Modified and installed conduit supports in control building as detailed in WPS 183-237-E001 (MPL Z43). Ref. DCR 83-237
84-5822	12-2-84	Implemented DCR 83-158 per WPS 83-158-P001, E001, E002 shorten and/or redline cables H11-P612-E57-C079A, C092A.
84-5116	12-2-84	Modified pipe supports per WPS # 81-058-M002 (MPL 1P41) DCR 81-058.
84-5992	12-1-84	Repulled cable that has previously been pulled per DCR 82-199 R.1
84-5566	12-2-84	Provided clearance on U bolt in south east diagonals per DCR 81-058.
84-3884	12-2-84	Replaced honeywell relative humidity controllers with model #R7088C-1094 and calibrated per HNP-1-5246 (Ref. DCR 82-168).
84-5816	12-10-84	Added anchor bolts to existing conduit supports per WPS 83-237-E001, DCR 83-237.
84-6726	12-2-84	Installed Drg bypass valves as per DCR 83-174 work to be performed by GE.
84-7579	12-14-84	Performed maintenance on vacuum breakers B21-F037C, D, E, F110H per WPS 83-227-M002 to remove disk binding DCR 83-227.
84-4660	12-11-84	Installed 2 three hour rated fire doors as per WPS 83-241-A001 DCR 83-241.

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-5878	12-10-84	Implemented DCR 82-31 per WPS 82-31-E001 & E002 with control rod drive.
84-5203	12-11-84	Removed and reinstalled conduit support tag no. SE-78-60-1A-CS1 to facilitate installation of Appendix "R" Fire Protection riser added by DCR 83-219.
84-6658	12-14-84	Upgraded existing HFA51A relays on panels 1H11-P609, P611 to century series class 1E service DCR 82-171.
84-7189	12-14-84	Unwired solenoid valves per DCR 83-032 and WPS 83-032-E006 and WPS 83-032-J003.
84-4573	12-13-84	Installed the repaired (straightened) unit 2 mast on unit 1 refueling bridge per DCR 84-226 MPL 1F15-E003.
84-7500	12-15-84	Removed valve, valve (1B21-F016) to be reinstalled on another MWO under DCR 84-306.
82-7436	12-17-84	Installed conduit & conduit supports on torus water temperature monitor ref: DCR 80-197-6&8.
84-5598	12-17-84	Redlined internal modifications to panels and equipment performed under WPS 80-157=EM11, EM12 DCR 80-157.
84-5910	12-26-84	Implemented DCR 80-183. Upgraded RHR Service Water Pumps Motor Cooling lines (1P41).
84-5376	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 82-138 (1B21).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-6064	12-17-84	Provided a means of removing power to E21-F037A&B to prevent spurious operation of these valves during a fire. Ref. DCR 84-009
84-6409	12-12-84	Installed conduit, supports and pull cable per W.P.S. 83-280-E001 for MPL 1E41 HPCI system. Ref. 83-280
84-5823	12-17-84	Internal wiring of various switches and relays for the modification of some main control room panel associated with ERF digital multiplexer panel X75-P104. Ref. DCR 80-157
84-5593	12/18/84	Calibration of level transmitters 1B21-N038A & 1B21-N038B in accordance with WPS 80-157 EMO. Ref. DCR 80-157
84-2256	12/17/84	Repulled the short sections of cable (suspected of damage; ref. MR 1-84-649) thru their associated conduits and RTD junction boxes per WPS 80-197-E002. Ref. DCR 80-197
84-6222	12/17/84	Performed installation of internal wiring for non class ie analog signals in panels H11-P612, P613, P645, P650, P656, P657, P001, per DCR 80-157 Rev. 1.
84-5518	12/17/84	Provided sealing of local RTD's E11-N027A & E11-N027B per WPS 80-157-E001. Ref. DCR 80-157
82-7532	12/18/84	Pulled cables for torus water temperature monitoring sys per DCR 80-197.
84-5794	12/12/84	Implemented DCR 79-442, Rev. 0 per WPS 79-442-E001 (MPL C61-534 A, B, C, & D) torus and drywell vent valves control.

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-5337	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1B21).
84-7344	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E11).
84-7100	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E11).
84-7218	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E11).
84-7637	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E21).
84-7638	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E21).
84-7644	12-26-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E21).
84-7572	12-12-84	Performed functional test #2 for DCR 82-171 on C71 HFA Relays.
84-2522	12-19-84	Reterminated field cables to RTD & JB on torus water temperature monitoring system per DCR 80-197.

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-6270	12-26-84	Replaced existing thermowells with new 1 1/4". Thermowells for temperature elements QE-TE-NO 27 A&B. Ref. DCR 80-157 Rev. 1.
84-6739	12-28-84	Performed internal wiring, cable termination, internal modifications, meggering and redlining per DCR 83-280. (E41-F002).
82-7533	12-17-84	Terminated and redlined (12) circuits in torus water temperature monitoring system. (Ref. DCR 80-197).
82-6156	12-17-84	Installed conduit in torus room for DCR 80-197 per circuit layout sheets. (HNP-6942).
84-7655	12-29-84	Performed tubing flush on new ATTS instrument tubing installed per DCR 81-138) (1B21).
84-6977	12-29-84	Performed tubing flush on new ATTS instrument tubing installed per DCR 81-138) (1B21).
84-7688	12-29-84	Performed tubing flush on new ATTS instrument tubing installed per DCR 81-138) (1E41).
84-7920	12-28-84	Performed water flush of ATTS pressure switch tubing installed per DCR 81-138 (1B21-N302C).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-7223	12-28-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1E11).
84-7222	12-28-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1E11).
84-7915	12-28-84	Performed hydro pressure test on ATTS pressure switch tubing installed per DCR 81-138 (1B21-N302E).
84-7912	12-28-84	Performed hydro pressure test on ATTS pressure switch tubing installed per DCR 81-138 (1B21-N302C).
84-7916	12-29-84	Performed hydro pressure test on ATTS pressure switch tubing installed per DCR 81-138 (1B21-N302K).
84-8098	12-21-84	Installed internal wire jumpers in panel H11-P606 per DCR 80-157 Rev. 1.
84-6979	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138.
84-7273	12-29-84	Replaced relay C71-K4B in the RPS system with century series HFA relay (DCR 82-171).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-5793	12-29-84	Rewired valve circuitry per DCR 84-221 (1E11-F074 A&B).
84-6212	12-29-84	Modify recorders T47-TR-R611 & R612 and associated internal wires. Calibrate T47-TR-R611. Add internal wires to H11-P700 (per DCR 80-157).
84-7921	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138.
84-5381	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138.
84-5364	12-30-84	Performed hydro pressure test on newly installed ATTS instrument tubing (DCR 81-138).
84-7923	12-30-84	Performed water flush of new pressure switch tubing installed per DCR 81-138 (1B21-N302F).
84-7924	12-30-84	Performed water flush of new pressure switch tubing installed per DCR 81-138 (1B21-N302G).
84-7647	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1E11 & 1C71).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-5382	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5363	12-30-84	Performed hydro pressure test on newly installed ATTS instrument tubing (DCR 81-138).
84-7926	12-30-84	Performed water flush of new pressure switch tubing installed per DCR 81-138 (1B21-N302J).
84-7343	12-30-84	Performed hydro pressure test on newly installed ATTS instrument tubing on DCR 81-138 per HNP-6907.
84-7652	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-7342	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21-N036).
84-5380	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-6978	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-5379	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5378	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-7649	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (E11 * C71) North side.
84-7651	12-30-84	Performed water flush of new ATTS instrument tubing installed per DCR 81-138 (E11 * C71) South side.
84-7918	12-22-84	Perform water flush of new pressure switch tubing installed per DCR 81-138 (B21-N302K).
84-7657	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (1B21).
84-7910	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (1B21-N302B).
84-7909	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (1B21-N302F).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-7908	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (1B21-N302G).
84-7907	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (1B21-N302H).
84-7911	12-29-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (1B21-N302A).
84-7658	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 (1B21) 130' elev. South side.
84-5366	12-30-84	Performed hydro pressure test on new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5360	12-30-84	Performed hydro pressure test on new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5362	12-30-84	Performed hydro pressure test on new ATTS instrument tubing installed per DCR 81-138 (1B21).
84-7219	12-30-84	Performed hydro pressure test on new ATTS instrument tubing installed per DCR 81-138 (1E11).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
82-7434	12-13-84	Internally wired panel H11-P689; added fuse block, fuse & slug per DCR 80-197.
84-5817	12-17-84	Replaced existing 10" SRV Discharge Line Vacuum Breakers with new design vacuum breakers (type LD-244-25) per DCR 83-227.
84-5792	12-27-84	Replace core spray "A" level switch to meet seismic qualifications. Ref. DCR 82-210.
84-7138	12-26-84	Performed hydro pressure test of thermo well Ell-TE-NO-27A. Ref. DCR 80-157.
84-7504	12-17-84	Replaced main steam line inboard drain valve 1B21-F016 per DCR 84-306.
84-7591	12-26-84	Tied in new ATTS instruments in RPS Inst. Racks H21-P004 & H11-P005 per DCR 81-138.
84-6223	12-28-84	Installed and redlined loop termination modules on cards in Foxboro panel H11-P691. Ref. DCR 80-157.
84-5824	12-29-84	Replaced existing static-O-ring pressure switches with ITT Barton 79-01B qualified switches. Ref. DCR 80-111.

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-7922	12-29-84	Performed water flush of ATTS pressure switch tubing installed per DCR 81-138 (1B21-N302B).
84-7925	12-29-84	Performed water flush of ATTS pressure switch tubing installed per DCR 81-138 (1B21-N302H).
84-7340	12-27-84	Performed water flush of ATTS instrument tubing installed per DCR 82-138 (1B21).
84-7648	12-28-84	Performed water flush of ATTS instrument tubing installed per DCR 81-138 (1E11 & 1C71)
84-7650	12-29-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5361	12-28-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5365	12-28-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1B21).
84-5359	12-28-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1B21).
84-7106	12-29-84	Performed hydro pressure test on ATTS instrument tubing installed per DCR 81-138 (1E41).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-7137	12-30-84	Performed hydro of Thermowell E11-TE-N0-27B per HNP-6907 Ref. MWO 1-84-6270, Ref. DCR 80-157.
84-7975	12-30-84	Performed initial service inspection per HNP-6907 rev. 11 on newly installed tubing for ATTS transmitter Ref. DCR 81-138, Rev. 1.
84-7974	12-30-84	Performed initial service inspection per HNP-6907 rev. 11 on newly installed tubing for ATTS transmitter Ref. DCR 81-138, Rev. 1.
84-7198	12-30-84	Replaced relay C71-K11B in the RPS system with a century series HFA relay. Ref. DCR 82-171.
84-7304	12-30-84	Replaced relay C71-D7B in RPS system with century series HFA relay. Ref. DCR 82-171.
84-7303	12-30-84	Replaced relay C71-K12B in RPS system with century series HFA relay. Ref. DCR 82-171.
84-7272	12-30-84	Replaced relay C71-K6B in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-7195	12-30-84	Replaced relay C71-K3B in the RPS system with century series HFA relay. Ref. DCR 82-171.

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-7972	12-30-84	Performed an air flush of new low low set accumulator tubing installed per DCR 81-138 (1B21-A003B).
84-7970	12-30-84	Performed an air flush of new low low set accumulator tubing installed per DCR 81-138 (1B21-A003G).
84-7969	12-30-84	Performed pressure test on tubing for 1B21-A003G MSIV accumulator installed per DCR 81-138.
84-6210	12-29-84	Implementation of DCR 83-180 for offgas flow instruments N62-N010, N011, N032, N033, N62-R006, R014, R604.
84-6728	12-30-84	Replaced relay C71-K19C in RPS system with century series HFA relay.
84-7220	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (S.E. Diagonal).
84-7224	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (N.E. Diagonal).
84-7221	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (N.E. Diagonal).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-6727	12-30-84	Replace relay C71-K13A in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-7196	12-30-84	Replace relay C71-K5D in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-6889	12-30-84	Replace relay C71-K13B in the RPS system with century series HFA relay. Ref. DCR 82-171, Ref. DR-1-84-742.
84-7197	12-30-84	Replace relay C71-K4D in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-5988	12-29-84	Modified control circuitry and added keylock switch for valve G31-F033 (RWCU) per DCR 84-010.
84-6165	12-29-84	Replace existing HFA relays with century series HFA relays per DCR 82-171 (C71/H11-P609/H11-P611)
84-6986	12-30-84	Replace Barton transmitters with Rosemount transmitters tag no.s B21-PT-N090A,D,E&F; B21-LT-N093A&B; and replace B21-N090B&C. Ref. DCR 81-138.
84-7971	12-30-84	Performed an air flush of new low low set accumulator tubing installed per DCR 81-138 (1B21-A003D).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-7341	12-30-84	Performed hydro pressure test of new ATTS instrument tubing installed per DCR 81-138 per HNP-6907 (158' elev. North side).
84-7917	12-30-84	Perform a water flush of new pressure switch tubing installed on DCR 81-138.
84-7919	12-30-84	Perform a water flush of new pressure switch tubing installed on DCR 81-138.
84-7654	12-30-84	Perform instrument tubing flush of newly installed ATTS instrument tubing per DCR 81-138.
84-7905	12-30-84	Performed pressure test on tubing for 1B21-N302L pressure switch (DCR 81-138) per HNP-6907.
84-7906	12-30-84	Performed pressure test on tubing for 1B21-N302J pressure switch (DCR 81-138) per HNP-6907.
84-7913	12-30-84	Performed pressure test on tubing for 1B21-N302D pressure switch (DCR 81-138) per HNP-6907.
84-6068	12-30-84	Replace WST B21-R615 & B21-R610 on panel H11-P601 add inst. A71B-5623A, A71B-5623B, B21-R623A, B21-R623B on panel H11-P601. Add switches E21-S15 A&B to panel H11-P601 add B21-R604 A&B to panel H11-P603.

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84-6727	12-30-84	Replace relay C71-K13A in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-7196	12-30-84	Replace relay C71-K5D in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-6889	12-30-84	Replace relay C71-K13B in the RPS system with century series HFA relay. Ref. DCR 82-171, Ref. DR-1-84-742.
84-7197	12-30-84	Replace relay C71-K4D in the RPS system with century series HFA relay. Ref. DCR 82-171.
84-5988	12-29-84	Modified control circuitry and added keylock switch for valve G31-F033 (RWCU) per DCR 84-010.
84-6165	12-29-84	Replace existing HFA relays with century series HFA relays per DCR 82-171 (C71/H11-P609/H11-P611)
84-6986	12-30-84	Replace Barton transmitters with Rosemount transmitters tag no.s B21-PT-N090A,D,E&F; B21-LT-N093A&B; and replace B21-N090B&C. Ref. DCR 81-138.
84-7971	12-30-84	Performed an air flush of new low low set accumulator tubing installed per DCR 81-138 (1B21-A003D).

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<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-6826	12-28-84	Replace fission products monitor recorder with new speedway recorder MPL no. 2D11-R630.
84-5745	12-18-84	Terminate and redline cable XUE701C12 in main control room panel 2H11-P601C in accordance with DCR 80-157, Rev. 1.
84-5404	12-12-84	Delete internal and external wiring at local rack per DCR 81-139, Rev. 1
84-6605	12-11-84	Valve 2E41-F008 must have an active clearance and must be racked out at its breaker in accordance with DCR 84-307.
84-4914	12-11-84	Removed existing wire from TB1-6 to PS-5 term #"C" in panels 2P33-P001 A&B per DCR 81-165.

OPERATING DATA REPORT

DOCKET NO. 50-321
 DATE 01-10-85
 COMPLETED BY: Mark Boone
 TELEPHONE (912) 367-7851

OPERATING STATUS

1. Unit Name: E. I. Hatch Nuclear Plant Unit 1
2. Reporting Period: 12-84
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:

Notes

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	8784	78911
12. Number of Hours Reactor was Critical	0	5638.8	55164
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	5474.9	51867.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	12151162	109369190
17. Gross Electrical Energy Generated (MWH)	0	3797550	35255720
18. Net Electrical Energy Generated (MWH)	-3798	3598483	33457846
19. Unit Service Factor	0	62.3	65.7
20. Unit Availability Factor	0	62.3	65.7
21. Unit Capacity Factor (Using MDC Net)	-0.7	54.5	56.4
22. Unit Capacity Factor (Using DER Net)	-0.7	52.7	54.5
23. Unit Forced Outage Rate	0	15.0	18.1
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: 01-10-85
 COMPLETED BY: Mark Boone
 TELEPHONE (912) 367-7851

MONTH 12-84

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	4
2	4
3	4
4	4
5	4
6	4
7	4
8	4
9	4
10	4
11	4
12	4
13	5
14	6
15	6
16	6

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

17	6
18	6
19	6
20	7
21	6
22	6
23	4
24	4
25	4
26	5
27	6
28	6
29	7
30	7
31	7

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-366
 DATE 01-10-85
 COMPLETED BY: Mark Boone
 TELEPHONE (912) 367-7851

OPERATING STATUS

Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 2
2. Reporting Period: 12-84
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	8784	46537
12. Number of Hours Reactor was Critical	654.2	3108.8	30180.0
13. Reactor Reserve Shutdown Hours	0.0	0	0
14. Hours Generator On-Line	627.3	2836.1	28624.1
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Energy Generated (MWH)	1312416	5985327	61201582
17. Gross Electrical Energy Generated (MWH)	444210	1987700	20159480
18. Net Electrical Energy Generated (MWH)	423609	1873342	19162449
19. Unit Service Factor	84.3	32.3	61.5
20. Unit Availability Factor	84.3	32.3	61.5
21. Unit Capacity Factor (Using MDC Net)	76.1	28.5	55.1
22. Unit Capacity Factor (Using DER Net)	72.6	27.2	52.5
23. Unit Forced Outage Rate	5.3	8.1	12.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, April, 8 weeks.			

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		

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366
 DATE: 01-10-85
 COMPLETED BY: Mark Boone
 TELEPHONE (912) 367-7851

MONTH 12-84

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-17	17	785
2	312	18	788
3	302	19	788
4	278	20	786
5	678	21	787
6	784	22	770
7	771	23	788
8	648	24	554
9	775	25	-16
10	786	26	-15
11	788	27	-14
12	789	28	196
13	787	29	635
14	787	30	518
15	781	31	267
16	785		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-366
 UNIT NAME Hatch 2
 DATE 01-10-85
 COMPLETED BY M. S. Boone
 TELEPHONE 912-367-7851

REPORT MONTH December 1984

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
84-35	841201	F	25	A	4	2-84-36	1A	INSTRU	Reactor scram on low water level indication. Scram was result of a valve isolation mistake made by personnel working on SPDS water level transmitter 2B21-N038B.
84-36	841202	F	16	A	5	NA	HJ	HEATER	Reducing reactor power due to loss of 4th stage heater.
84-37	841203	F	19	B	5	NA	HJ	HEATER	Further reduction in power in order to work on F/W heater.
84-38	841207	S	7	H	5	NA	RC	CONROD	Rod pattern adjustment.
84-39	841208	S	5	B	5	NA	HA	TURBIN	Weekly turbine test.
84-40	841208	S	2	B	5	NA	CD	VALVEX	Reducing reactor power to perform HNP-2-3111 on MSIV 2B21-F028C.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1984

DOCKET NO. 50-366
 UNIT NAME Hatch 2
 DATE 01-10-85
 COMPLETED BY M. S. Boone
 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
84-41	841224	S	80	A	2	2-84-38	CJ	PUMPXX	Manually scrambled to repair both inop drywell floor drain sump pumps & sources of increasing drywell floor drain leakage of 2B21-F010B mainly. Reactor scram due to MSR hi levels.
84-42	841230	F	15	D	3	NA	CC	HTEXCH	

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)

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⁵ Exhibit I - Same Source

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



Georgia Power

Edwin I. Hatch Nuclear Plant

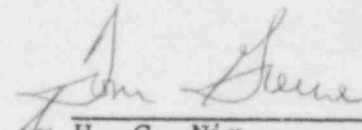
January 8, 1985
GM-85-018

PLANT E. I. HATCH
NRC Monthly Operating Report

Office of Plans and Schedules
Directorate of Licensing
United States Nuclear Regulatory Commission
Washington, D. C. 20545

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

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