

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
BROWNS FERRY NUCLEAR PLANT

MONTHLY OPERATING REPORT TO NRC

July 1, 1985 - July 31, 1985

DOCKET NUMBERS 50-259, 50-260, AND 50-296
LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

Submitted by:

Chas. L. Lewis

Acting Plant Manager

8510010487 850731
PDR ADOCK 05000259
R PDR

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Operations Summary

July 1985

The following summary describes the significant operation activities during the reporting period. In support of this summary, a chronological log of significant events is included in this report.

There were seventeen reportable occurrences and no revisions to previous occurrences reported to the NRC during the month of July.

Unit 1

The unit was in cold shutdown the entire month for the unit's end-of-cycle 6 refueling outage.

Unit 2

The unit was in cold shutdown the entire month for the unit's end-of-cycle 5 refueling outage.

Unit 3

The unit was in cold shutdown the entire month on an administrative hold to resolve various TVA and NRC concerns.

Prepared principally by B. L. Porter.

Operations Summary (Continued)

July 1985

Fatigue Usage Evaluation

The cumulative usage factors for the reactor vessel are as follows:

<u>Location</u>	<u>Usage Factor</u>		
	<u>Unit 1</u>	<u>Unit 2</u>	<u>Unit 3</u>
Shell at water line	0.00620	0.00492	0.00430
Feedwater nozzle	0.29782	0.21319	0.16133
Closure studs	0.24204	0.17629	0.14326

NOTE: This accumulated monthly information satisfies Technical Specification Section 6.6.A.17.B(3) reporting requirements.

Common System

Approximately $9.55\text{E}+05$ gallons of waste liquids were discharged containing approximately $2.58\text{E}-02$ curies of activities.

Operations Summary (Continued)

July 1985

Refueling InformationUnit 1

Unit 1 was in shutdown for its sixth refueling on June 1, 1985 with a scheduled restart date of March 31, 1986. This refueling will involve loading 8x8R (retrofit) fuel assemblies into the core, replacing recirculation piping, work on "A" and "B" low-pressure turbine, upgrade hangers and anchors, and environmentally qualify instrumentations. The unit was shut down on March 19, 1985, and remained in cold shutdown until June 1, 1985, because of unfinished modifications to meet environmental concerns.

There are 764 assemblies in the reactor vessel. The spent fuel storage pool presently contains 252 EOC-5 assemblies, 260 EOC-4 assemblies; 232 EOC-3 assemblies; 156 EOC-2 assemblies; and 168 EOC-1 assemblies. The present fuel pool capacity is 3,471 locations.

Unit 2

Unit 2 was shut down for its fifth refueling outage on September 15, 1984 with a scheduled restart date of December 31, 1985. This refueling outage will involve loading additional 8x8R (retrofit) assemblies into the core, finishing torus modification, turbine inspection, piping inspection, TMI-2 modifications; post-accident sampling facility tie-ins, core spray change-out, and feedwater sparger inspection.

There are no assemblies in the reactor vessel. At month end, there were 273 new assemblies, 764 EOC-5 assemblies, 248 EOC-4 assemblies, 352 EOC-3 assemblies, 156 EOC-2 assemblies, and 132 EOC-1 assemblies in the spent fuel storage pool. The present available capacity of the spent fuel pool is 77 locations. All old racks have been removed from the pool and new HDR's are being installed.

Operations Summary (Continued)

July 1985

Unit 3

Unit 3 is scheduled for its sixth refueling outage approximately November 30, 1985, with a scheduled restart date of November 10, 1986. This refueling involves loading 8X8R (retrofit) assemblies into the core, and complete reinspection of stainless steel piping. The unit was shutdown on March 9, 1985, and will remain in cold shutdown until September 28, 1985, on an administrative hold to resolve various TVA and NRC concerns.

There are 764 assemblies presently in the reactor vessel. There are 248 EOC-5 assemblies, 280 EOC-4 assemblies, 124 EOC-3 assemblies, 144 EOC-2 assemblies, and 208 EOC-1 assemblies in the spent fuel storage pool. The present available capacity of the spent fuel pool is 914 locations.

July 1985

Significant Operational Events

Unit-1

7/01	0001	End of cycle-6 refuel outage continues.
7/31	2400	End of cycle-6 refuel outage continues.

July 1985

Significant Operational Events

Unit-2

7/01	0001	End of cycle-5 refuel and modifications outage continues.
7/31	2400	End of cycle-5 refuel and modifications outage continues.

July 1985

Significant Operational Events

Unit-3

7/01	0001	The unit has been placed on administrative hold until various TVA and NRC concerns are resolved.
7/31	2400	The unit has been placed on administrative hold until various TVA and NRC concerns are resolved.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259
 UNIT Browns Ferry 1
 DATE 8/1/85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-2509

MONTH July

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-10
2	-10
3	-10
4	-10
5	-10
6	-10
7	-10
8	-10
9	-10
10	-10
11	-10
12	-10
13	-10
14	-10
15	-9
16	-10

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	-10
18	-10
19	-9
20	-9
21	-10
22	-9
23	-10
24	-10
25	-10
26	-11
27	-10
28	-9
29	-11
30	-10
31	-10

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260UNIT Browns Ferry TwoDATE 8/1/85COMPLETED BY T. ThomTELEPHONE 205/729-2509MONTH JulyDAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

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

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	-3
18	-3
19	-3
20	-3
21	-3
22	-3
23	-3
24	-3
25	-3
26	-3
27	-3
28	-3
29	-3
30	-3
31	-2

INSTRUCTIONS

In this format, list the average daily power level for each day of the month. If the power level is not known for a day, list "N". If the power level is not known for a day, list "N". If the power level is not known for a day, list "N".

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296
UNIT Browns Ferry 3
DATE 8-1-85
COMPLETED BY T. Thom
TELEPHONE 205/729-2509

MONTH July

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>-10</u>
2	<u>-10</u>
3	<u>-10</u>
4	<u>-10</u>
5	<u>-10</u>
6	<u>-10</u>
7	<u>-10</u>
8	<u>-9</u>
9	<u>-9</u>
10	<u>-9</u>
11	<u>-9</u>
12	<u>-9</u>
13	<u>-9</u>
14	<u>-9</u>
15	<u>-9</u>
16	<u>-9</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>-9</u>
18	<u>-9</u>
19	<u>-9</u>
20	<u>-9</u>
21	<u>-9</u>
22	<u>-9</u>
23	<u>-9</u>
24	<u>-9</u>
25	<u>-9</u>
26	<u>-9</u>
27	<u>-9</u>
28	<u>-10</u>
29	<u>-8</u>
30	<u>-10</u>
31	<u>-10</u>

INSTRUCTIONS:

On this form, list the average daily unit power level in MWe-Net for each day of the month. If power is not generated, enter zero.

OPERATING DATA REPORT

DOCKET NO. 50-259
 DATE 8/1/85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-2509

OPERATING STATUS

1. Unit Name: Browns Ferry One
 2. Reporting Period: July 1985
 3. Licensed Thermal Power (MWt): 3293
 4. Nameplate Rating (Gross MWe): 1152
 5. Design Electrical Rating (Net MWe): 1065
 6. Maximum Dependable Capacity (Gross MWe): 1098.4
 7. Maximum Dependable Capacity (Net MWe): 1065
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
 10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3,087</u>	<u>96,487</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>1,647.78</u>	<u>59,521.38</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>512.22</u>	<u>6,997.44</u>
14. Hours Generator On-Line	<u>0</u>	<u>1,626.67</u>	<u>58,267.26</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>4,950,821</u>	<u>168,066,787</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>1,652,650</u>	<u>55,398,130</u>
18. Net Electrical Energy Generated (MWH)	<u>-7,410</u>	<u>1,575,196</u>	<u>53,789,017</u>
19. Unit Service Factor	<u>0</u>	<u>32.0</u>	<u>60.4</u>
20. Unit Availability Factor	<u>0</u>	<u>32.0</u>	<u>60.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>29.1</u>	<u>52.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>29.1</u>	<u>52.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>55.1</u>	<u>23.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 9/14/86

26. Unit In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

OPERATING DATA REPORT

DOCKET NO. 50-260
 DATE 8-1-85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-2509

OPERATING STATUS

1. Unit Name: Browns Ferry Two
2. Reporting Period: July 1985
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1098.4
7. Maximum Dependable Capacity (Net MWe): 1065
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5,087</u>	<u>91,374</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>35,860.03</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>14,200.44</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>54,338.36</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>153,245.167</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>50,771.798</u>
18. Net Electrical Energy Generated (MWH)	<u>-1,966</u>	<u>-17,567</u>	<u>49,285.406</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>59.3</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>59.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>50.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>50.6</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>23.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/24/86

26. Unit In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

OPERATING DATA REPORT

DOCKET NO. 50-296
 DATE 8-1-85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-2834

OPERATING STATUS

1. Unit Name: Browns Ferry Three
 2. Reporting Period: July 1985
 3. Licensed Thermal Power (MWt): 3293
 4. Nameplate Rating (Gross MWe): 1152
 5. Design Electrical Rating (Net MWe): 1065
 6. Maximum Dependable Capacity (Gross MWe): 1098.4
 7. Maximum Dependable Capacity (Net MWe): 1065
 8. If Changes Occur in Capacity Ratings (Items Number 2 Through 7) Since Last Report, Give Reasons:

N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
 10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744	8,087	33,288
12. Number Of Hours Reactor Was Critical	0	1,317.85	45,874.88
13. Reactor Reserve Shutdown Hours	0	208.05	3,149.3
14. Hours Generator On-Line	0	1,496.96	44,194.76
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	4,649,840	131,868,267
17. Gross Electrical Energy Generated (MWH)	0	1,572,770	47,473,770
18. Net Electrical Energy Generated (MWH)	-0.901	1,498,761	43,164,323
19. Unit Service Factor	0	19.4	59.7
20. Unit Availability Factor	0	19.4	59.7
21. Unit Capacity Factor (Using MDC Net)	0	17.7	51.8
22. Unit Capacity Factor (Using DER Net)	0	17.7	51.8
23. Unit Forced Outage Rate	100	70.8	32.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)			

25. Unit Shut Down At End Of Report Period, Estimated Date of Station: 8/20/85
 26. Units In Test Status: Prior to Commercial Operation

Potential

Actual

POTENTIAL CRITICALITY
 POTENTIAL ELECTRICITY
 COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 50-259
 UNIT NAME Browns Ferry 1
 DATE 8/17/85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-2509

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
315 (Cont.)	7/1/85	S	744	C	2				End of cycle 6 refuel outage continues.

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 Other (Explain)

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

⁵ Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 50-260
 UNIT NAME Browns Ferry 2
 DATE 8/1/85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-2834

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
305 (Cont.)	7/1/85	S	744	C	4				EOC-5 Refuel Outage (Controlled Shutdown 9/15/84)

1 Type:
 F - Fuel
 S - Shutdown

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 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

CSSC EQUIPMENT

ELECTRICAL MAINTENANCE SUMMARY

For the Month of July 19 85

Date	System	Component	Nature of Maintenance	Effect on Safe Operation of The Reactor	Cause of Malfunction	Results of Malfunction	Action Taken To Preclude Recurrence
7/9 1985	Control bay heating, vent and AC	CHR-31-1966 shutdown bd rm chiller 3A1	Troubleshoot	None	Burned out motor protector and freeze protection overload	Chiller would not start	Replaced motor protector and freeze protection overload MR 182806
7/9	Control bay heating, vent and AC	CHR-31-1966 shutdown bd rm chiller 3A2	Troubleshoot	None	Bad motor protector	Chiller trips after 30 seconds of operation	Replaced motor protector MR 518671
7/11	Off-gas	TS-65-63A temperature switch in off-gas bldg train C	Troubleshoot 153V ground on unit 3 48V DC system	None	Barrel of terminal lug was touching small bracket on TS-65-63A	Annunciation on unit 3 control rm pnl 9-8	Loosened terminal nut readjusted and insulated lug MR 556735
7/14	Turbine bldg ventilation	FCD-30-230B/C 3EA diesel rm inlet isolation dampers	Troubleshoot dampers	None	Auxiliary contact sticking	Damper stuck in open position	Freed and lubricated contact MR 558844/558845
7/15	Control bay heating, vent & AC	CHR-31-1943 control bay chiller 3A	Troubleshoot "A" chiller	None	Bad damper motor	Chiller tripped on safety switches	Replaced damper motor MR 538403
7/16	Control bay heating, vent & AC	CHR-31-1951 control bay chiller 3B	Troubleshoot "B" chiller	None	Bad damper motor	Damper would not close	Replaced damper motor MR 584600
7/24	RPS	GEN-99-003B RPS motor generator set 3B	Troubleshoot	None	Bad coil in 1K relay	1F fuse blew causing 3B RPS mg set to trip initiating several safety system responses	Replaced relay coil and fuse MR 559206

CSSC EQUIPMENT

ELECTRICAL MAINTENANCE SUMMARY

For the Month of July 1985

ate 985 /7	System	Component	Nature of Maintenance	Effect on Safe Operation of The Reactor	Cause of Malfunction	Results of Malfunction	Action Taken To Preclude Recurrence
	HPCI	FCV-73-0034 HPCI pump discharge valve actuator	Replace motor	None	Motor shorted out	Found while perform- ing QMDS maintenance	Replaced motor MR 124995
/5	Control ba- heat, vent and 3C	PHF-31-1973 DGB chilled water circula- tion pump 3B1	Troubleshoot	None	Bad pressure gauge	Low suction pressure- not within limits	Replaced pressure gauge MR 558567
/26	Diesel generator	GEN-82-003C 3C diesel generator	Troubleshoot D/G 3C	None	Broken wire on ACB 1832 and bad field breaker	Diesel generator tripped on overspeed	Repaired broken wire and replaced D/G field breaker MR 519315
/8	Fire pro- tection	XS-39-73AB smoke detector in shutdown bd in 3EB	SI 4.11.C.1	None	Bad detector	No alarm or red light came in on detector when tested	Replaced smoke detector MR 565482
/9	Annunciator & sequen- tial events recording system	XA-55-008E trouble alarm for auto fire protection AC control bus	Testing ground	None	Bad annunciator card	Did not alarm in control room	Replaced card MR 169377

CSSC EQUIPMENT

ELECTRICAL MAINTENANCE SUMMARY

Appendix B

9/29/82

For the Month of July 1985

Date	System	Component	Nature of Maintenance	Effect on Safe Operation of The Reactor	Cause of Malfunction	Results of Malfunction	Action Taken To Preclude Recurrence
1985							
7/1	Control bay heating vent and AG	HTR-31-463 CREV train A char-coal heater	Troubleshoot low temperature	None	Loose connection on heater element	Δ T above ambient temperature low	Tightened connections on heater element MR 156070
7/3	Radiation monitoring	RI-90-251 continuous air monitor - turbine flr 61A	Troubleshoot motor on vacuum pump	None	Bad bearing and V-belt on motor	Cam out of service	Replaced bearing and V-belt MR 574312
7/11	RPS	RLY-99-5AK25B relay in panel 9-17	SI 4.1.A-7	None	Burned out coil	Found open during performance of SI 4.1.A-7	Replaced relay coil MR 572170 19
7/16	Cranes and hoists	Refuel platform	Troubleshoot refueling interlock limit switch #2	None	Worn out limit switch	Improper operation of refuel platform	Replaced refuel interlock limit switch #2 MR 590156
7/18	Rx Bldg ventilation	RLY-64-16AK30 relay in panel 9-43	Replace open coil on relay 16AK30	None	Bad coil on relay 16AK30	Fuse FB-6 on 250V battery bd 1 blew and initiated several engineered safety features	Replaced coil and moveable contact arm on relay MR 566695-LER259/85037
7/31	Annunciation & Sequential events recording	Control room annunciator horn	Troubleshoot horn	None	Defective horn	Loss of audible alarm in control room	Replaced horn MR 555731

CSSE EQUIPMENT

ELECTRICAL MAINTENANCE SUMMARY

For the Month of July 1985

Date	System	Component	Nature of Maintenance	Effect on Safe Operation of The Reactor	Cause of Malfunction	Results of Malfunction	Action Taken To Preclude Recurrence
1985 6/20	Control bay heating vent and AC	BKR-031-0143 chilled water circulating pump A bkr	Troubleshoot chill water pump A	None	Aux contacts were sticking and not dropping out	Pump would not operate	Cleaned contacts on breaker MR 559690
6/27	Radiation monitoring	PNP-90-152B stack sample pump B2	Troubleshoot breaker tripping out on stack sample pump B2	None	Bad bearing on motor	Motor overheating	Change bearing in motor MR 519371
7/12	Radiation monitoring	PNP-90-152A stack sample pump B1	Troubleshoot control room annunciation	None	Ineffective oil system on motor	Caused pump to blow fuses	Added oil and reset oil system MR 538316
7/8	Standby gas treatment	FS-65-42A SGT fan B discharge flow	Troubleshoot alarms in unit 1 control room	None	Bad discharge flow switch on SBGT train B fan	Alarms in control room	Replaced flow switch MR 589906

BROWNS FERRY NUCLEAR PLANT UNIT 0

CSSC EQUIPMENT

MECHANICAL MAINTENANCE SUMMARY

For the Month of July 19 85

DATE	SYSTEM	COMPONENT	NATURE OF MAINTENANCE	EFFECT ON SAFE OPERATION OF THE REACTOR	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE
9-85	111	Reactor building crane	MR 564381 Inspect drum gears and brakes on 4.25 ton hook	None	Sheared key and damaged shaft-material failure	Impaired safe working capacity of crane	Fabricated key out of stronge material
9-85	67	TCV-67-62	Remove raised face on flanges	None	Seismic evaluation by EN DES	None	MR 180668 removed raise face from valve flange
9-85	23	RHR SW Pump B3	MR 588817 cut studs for installation in pump	None	None	None	None
17-85	23	B3 RHR/EECW Service Water Pump	MR 571017 Repair B3 RHR SW pump impellar using Belzona SMMI 15.1.5.A	None	use	Inadequate pump flow	
		Completed 7-9-85					

BROWNS FERRY NUCLEAR PLANT UNIT 3

CSSC EQUIPMENT

MECHANICAL MAINTENANCE SUMMARY

For the Month of July 19 85

DATE	SYSTEM	COMPONENT	NATURE OF MAINTENANCE	EFFECT ON SAFE OPERATION OF THE REACTOR	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE
7-14-85	111	Air compressor	MR 589659 Transfer U-3 refueling bridge crane air compressor to U-1 and install	None	unknown	Insufficient air pressure on refuel platform	

3

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant
Post Office Box 2000
Decatur, Alabama 35602

AUG 14 1985

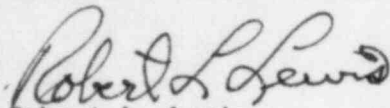
Nuclear Regulatory Commission
Office of Management Information
and Program Control
Washington, DC 20555

Gentlemen:

Enclosed is the July 1985 Monthly Operating Report to NRC for Browns Ferry Nuclear Plant Units 1, 2, and 3.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



Robert L. Lewis
Acting Plant Manager

Enclosures

cc: Director, Region II
Nuclear Regulatory Commission
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