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SUBJECT: Forwards summary of ECCS outage times covering 5-yr period
 commencing w/issuance of low power OL on 861024 & ending on
 911023 to address NUREG-0737, Item II.K.3.17, "Rept on
 Outages of ECCS Sys."

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NOTES: Application for permit renewal filed. 05000400 /

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SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
NUREG-0737, Item II.K.3.17; REPORT ON OUTAGES OF ECCS SYSTEMS

Gentlemen:

NUREG-0737, "Post TMI-Requirements," Item II.K.3.17 "Report on Outages of Emergency Core-Cooling Systems Licensee Report and Proposed Technical Specification Changes" dated October 31, 1980, requires licensees and applicants to submit an Emergency Core Cooling System (ECCS) outage history for a five year period.

The attached data represents a summary of the Shearon Harris Nuclear Power Plant (SHNPP) ECCS outage times (component and system). The data covers the five year period commencing with the issuance of the low power operating license on October 24, 1986 and ending October 23, 1991. It includes required maintenance and surveillance testing and was obtained from Equipment Inoperable Records and the Surveillance Test Scheduling System (STSS). The data obtained from STSS for duration is estimated based on average performance time.

Attachment 1 provides the:

- a) Outage dates and durations (in hours)
- b) Cause of each outage
- c) ECC System or components involved
- d) Corrective actions, as applicable

Attachment 2 is a glossary of terms and abbreviations used in Attachment 1.

Safety system availability is tracked and reported monthly to the Institute of Nuclear Power Operations (INPO) in accordance with the guidance provided by INPO. Improvements have been accomplished in recent years by scheduling testing and maintenance outages concurrently. Carolina Power & Light Company (CP&L) is committed to ensure the highest safety system availability and performance possible, given the necessary preventive maintenance, corrective maintenance, and required surveillance tests.

Carolina Power & Light Company has reviewed the availability of ECCS systems and components and concludes that no Technical Specification changes are warranted.

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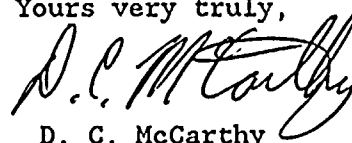
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This report fulfills CP&L's commitment as documented in the SHNPP Final Safety Analysis Report for NUREG-0737, Item II.K.3.17.

Questions regarding this matter may be referred to Mr. R. W. Prunty at (919) 546-7318.

Yours very truly,



D. C. McCarthy

Manager

Nuclear Licensing Section

SDC/sdc

cc: Mr. S. D. Ebnetter
Mr. N. B. Le
Mr. J. E. Tedrow

DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
10/24/86	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/24/86	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/27/86	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/27/86	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/27/86	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/07/86	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/07/86	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/11/86	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/11/86	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/11/86	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/13/86	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/13/86	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/18/86	0.97	A CSIP INOP FOR MAINTENANCE	ECCS A CSIP	COMPLETE MAINTENANCE AND TEST
11/19/86	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/01/86	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/10/86	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/21/86	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/25/86	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
12/25/86	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
01/04/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
01/04/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
01/08/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/20/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/21/87	5.92	PLACED IN MAINTENANCE TO SUPPORT S/U TESTING	EDG A EDG	COMPLETE S/U TESTING
01/22/87	8.58	AH-10A UNIT WAS INOPERABLE	ECCS C CSIP/AH-10A	COMPLETE CORRECTIVE MAINTENANCE
01/23/87	0.92	B CHILLER FAILED TO START	ECCS B CSIP/ESWC	REFERENCE LER 87-006 FOR CORRECTIVE ACTION
01/25/87	5.25	RWST USED FOR EPT-039T, LEVEL BELOW T.S. LIMIT	ECCS RWST	RESTORE LEVEL ABOVE TS LIMIT
02/09/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/10/87	5.33	B CHILLER INOP DUE TO LOW LUBE OIL WITH A CHILLER INOP	ECCS B CSIP/ESWC	REFERENCE LER 87-007 FOR CORRECTIVE ACTION
02/20/87	8.75	INOPERABLE TO INSPECT GE TYPE HFA RELAYS	EDG A EDG	COMPLETE INSPECTION AND TEST
02/21/87	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/21/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/09/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/22/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/23/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/29/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
03/29/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
04/06/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
04/20/87	1.25	C CSIP INOP DUE TO MISPOSITIONED ALT. MINI FLOW VALVES	ECCS C CSIP	REFERENCE LER 87-023 FOR CORRECTIVE ACTION
04/23/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/07/87	8.23	FAILURE OST-1085 DUE TO TIME A&B FOR FREQ TO REACH REQUIRED BAND	EDG A EDG	COMPLETE RETEST
05/07/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/07/87	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/18/87	4.83	CHANGE OIL IN PUMP	ECCS A CSIP	COMPLETE MAINTENANCE ACTIVITY
05/19/87	6.50	CHANGE LUBE OIL, INSPECT, TIGHTEN FITTINGS ON OIL LINES	ECCS C CSIP	COMPLETE MAINTENANCE ACTIVITY
05/20/87	1.07	VALVED OOS TO ALLOW TESTING OF CSIP B	ECCS B CSIP	COMPLETE TEST
05/22/87	0.08	BARRING DEVICE INSTALLED	EDG A EDG	COMPLETE INSTALLATION OF BARRING DEVICE
05/22/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/07/87	9.09	MISSED AIR ROLL	EDG B EDG	REFERENCE LER 87-033 FOR CORRECTIVE ACTION
06/07/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/12/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
06/12/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
06/21/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/23/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/02/87	0.95	INADVERTANTLY DRAINED RWST LEVEL BELOW T.S. LIMIT	ECCS RWST	COMPLETE FILL OF RWST BACK INTO T.S. LIMIT
07/08/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/08/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/23/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/23/87	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/06/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
08/06/87	3.50	PERFORMANCE OF EPT-072 AND MPT-10032	ECCS B RHR/1RH-63	COMPLETE PERIODIC TESTS
08/06/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
08/08/87	6.42	BKR 106 WOULD NOT CLOSE FROM CONTROL PANEL	EDG A EDG	COMPLETE REPAIR OF BKR 106
08/09/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/09/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/23/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/08/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/10/87	0.32	INOPERABLE TO PERFORM OST-1008	ECCS B RHR PUMP	COMPLETE SURVEILLANCE TEST OST-1008
09/11/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
09/11/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
09/20/87	21.70	A DG TRIPPED ON HIGH VIBRATION DURING OST-1823	EDG A EDG	RECALIBRATE A DG VIBRATION SWITCH
09/22/87	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/22/87	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/23/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/09/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/09/87	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
10/15/87	0.33	LOSS OF ALL RHR DURING VALVE TESTING	ECCS A RHR	REFERENCE LER 87-060 FOR CORRECTIVE ACTION
10/16/87	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/22/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/31/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/08/87	2.75	INOP 1 EXHST FAN TO PROVIDE VENT FOR FUEL OIL TRNS PMP	EDG B EDG	RECALIBRATE FLOW SWITCH AND RESTORED EXHST FAN
11/09/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/10/87	11.67	1CS-746 FAILED CLOSED DUE TO LIMIT SWITCH FAILURE	ECCS A CSIP/1CS-746	COMPLETE MAINTENANCE ON SWITCH
11/16/87	20.50	WC-2B CHILLER INOP	ECCS B CSIP	RAN CHILLER MANUALLY STROKED VALVE
11/16/87	0.20	NCR-87-132 ON CSIP MINIFLOW WIRING 1CS-196	ECCS B CSIP	COMPLETE MODIFICATION
11/17/87	51.50	ESW TRAIN B INOP FAILED PART OF OST-1215	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
11/18/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/24/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/24/87	19.00	1CC-167 WILL NOT STROKE FULLY OPEN FROM MCB	ECCS B RHR	COMPLETE CORRECTIVE MAINTENANCE
12/02/87	24.50	1SW-270 MOV TRIPPED ON START OF A ESW PUMP	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
12/10/87	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/16/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
12/16/87	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
12/22/87	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/23/87	8.25	INSPECT BEARINGS ON AH-5-SB	ECCS B RHR/AH-5B	COMPLETE INSPECTIONS
12/28/87	2.50	SUMP COVER REMOVED TO PUMP DOWN SUMP	ECCS B RHR	COMPLETE PUMP DOWN
01/04/88	1.87	PUMP SUMP COVER REMOVED	ECCS B RHR	REINSTALL SUMP COVER
01/10/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/11/88	1.50	PUMP DOWN B CONTAINMENT RECIRC SUMP	ECCS B RHR	COMPLETE PUMP DOWN
01/13/88	8.20	CHANGE OIL IN MOTOR BEARINGS	ECCS B CSIP	COMPLETE MAINTENANCE
01/14/88	18.50	REMOVE PLUG FROM FLANGE AND STOP LEAK ON HEAT EXCHANGER	ECCS A RHR HX	COMPLETE CORRECTIVE MAINTENANCE
01/14/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
01/14/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
01/15/88	3.75	CLEAN STRAINER & FILTER ON PUMP & SPEED INCREASER	ECCS A CSIP	COMPLETE CORRECTIVE MAINTENANCE
01/18/88	1.50	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR PUMP	COMPLETE PUMP DOWN
01/20/88	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/20/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/22/88	1.08	REMOVAL OF INDICATOR TO INSPECT STEM NUT PER MPT-M0082	ECCS A CSIP/1CS-746	COMPLETE INSPECTION PER MPT-0082
02/01/88	3.75	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
02/06/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/08/88	21.47	PLACED UNDER SF CLEARANCE AS A RESULT OF ESW PUMP BEING INOP	EDG B EDG/ESW	REFERENCE LER 88-006 FOR CORRECTIVE ACTION
02/15/88	1.43	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
02/15/88	0.92	CHANGE DIFFERENTIAL RELAY	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
02/17/88	38.42	ESW PUMP FAILED TO START DURING INADVERTENT ACTUATION OF SEQUENCER	EDG B EDG/ESW	REFERENCE LER 88-008 FOR CORRECTIVE ACTION

DATE	DURATION	CAUSE	SYSTEM/COMPONENT		CORRECTIVE ACTION
02/17/88	38.42	CALIBRATION OF AGASTAT RELAY P1A2/1183	EDG	B EDG	COMPLETE CALIBRATION
02/19/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/20/88	8.42	EQ INSPECTION OF MOV'S 1CS-292, 278, 169, 171	ECCS	B CSIP	COMPLETE INSPECTIONS
02/21/88	8.08	EQ INSP. OF MOV'S 1CS-168, 170, 291	ECCS	A CSIP	COMPLETE INSPECTIONS
02/26/88	4.33	INSPECTION OF HEAT SHRINK ON WIRING, CLEARANCE REQ'D	ECCS	B CSIP/1CS-291	PERFORM QC INSPECTION
03/04/88	0.58	ADJUST PACKING	ECCS	A CSIP/1CS-168	COMPLETE CORRECTIVE MAINTENANCE
03/07/88	2.40	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN
03/07/88	14.67	MST'S AND MAINTENANCE	EDG	A EDG	COMPLETE TEST AND MAINTENANCE
03/08/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/09/88	1.00	RHR INOP. FOR MAINTENANCE ON AH-5A	ECCS	A RHR	COMPLETE MAINTENANCE
03/14/88	12.20	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN
03/14/88	7.37	1B-SB ESW UNDER CLEARANCE FOR EPT-101T	EDG	B EDG/ESW	COMPLETE PERIODIC TEST
03/15/88	15.33	CHANGE OIL IN PUMP MOTOR	ECCS	A RHR	COMPLETE MAINTENANCE
03/16/88	3.38	1A-SA ESW INOP. FOR EPT-101T	ECCS	A EDG	COMPLETE SCHEDULED TEST
03/17/88	15.87	CHANGE OIL	ECCS	B RHR PUMP	COMPLETE MAINTENANCE
03/18/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS	A RHR	COMPLETE SCHEDULED TEST
03/18/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS	B RHR	COMPLETE SCHEDULED TEST
03/21/88	19.00	PERFORM PMS ON LOCAL METERS, RELAYS AND 6.9 BKR.	EDG	B EDG	COMPLETE MAINTENANCE
03/21/88	2.00	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN
03/22/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/25/88	9.70	A ESW HEADER REPAIR LEAK ON WELD AT 1SW-69	EDG	A EDG	COMPLETE CORRECTIVE MAINTENANCE
03/28/88	5.08	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN
03/29/88	0.58	PERFORM MST-10098 ON P-925	ECCS	B ACCUM	COMPLETE SURVEILLANCE TEST
03/29/88	0.43	PERFORM MST-10098 ON P-927	ECCS	B ACCUM	COMPLETE SURVEILLANCE TEST
04/04/88	3.25	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR PUMP	COMPLETE PUMP DOWN
04/06/88	7.92	WORK ON 1A-SA SEQUENCER TO ADJUST AGASTAT SETPOINTS PCR-2867	EDG	A EDG	COMPLETE MODIFICATION
04/07/88	1.33	WORK ON 1B-SB SEQUENCER TO ADJUST AGASTAT SETPOINTS	EDG	B EDG	COMPLETE EPT-033
04/09/88	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/09/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/11/88	0.63	ACCUM C PRESSURE LOOP CAL (P-0931) MST-10101	ECCS	C ACCUM	MST-10101 COMPLETE
04/11/88	3.17	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN
04/14/88	6.82	PIC-1032 INSPECT & ADJUST FLOW INDICATING SWITCH	ECCS	B RHR	PIC-1032 COMPLETE
04/15/88	5.88	CALIBRATION OF FS-602A	ECCS	A RHR	COMPLETE CALIBRATION
04/22/88	14.55	STOP FUEL OIL LEAK	EDG	B EDG	COMPLETE CORRECTIVE MAINTENANCE
04/22/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/25/88	2.00	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN
04/29/88	0.77	PERFORM LEVEL SECTIONS (7.2-7.10) OF MST-10110	ECCS	C ACCUM	COMPLETE SURVEILLANCE TEST
05/02/88	3.25	PUMP DOWN THE RECIRCULATION SUMP	ECCS	B RHR	COMPLETE PUMP DOWN

DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
05/07/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/09/88	2.08	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
05/13/88	0.17	1SW-1329 & 1SW-1326 FAILED TO OPEN	EDG A EDG/A ESW	REFERENCE LER 88-012 FOR CORRECTIVE ACTION
05/15/88	6.67	ESW PUMP FAILED TO START DUE TO DEFECTIVE RELAY IN THE SEQUENCER	EDG B EDG/ESW	REFERENCE LER 88-029 FOR CORRECTIVE ACTION
05/16/88	6.17	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
05/19/88	4.08	ROTATE CONTROL POWER TOGGLE SWITCH TO PROPER POSITION	ECCS A RHR PMP	ROTATION COMPLETE
05/23/88	1.87	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
05/23/88	21.83	REPAIR JACKET WATER COOLER LEAKS REPAIR BEARING OIL	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
05/23/88	0.83	PERFORM EPT-033	EDG B EDG/B SEQ	COMPLETE EPT-033
05/24/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/30/88	2.33	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
05/31/88	8.00	LUBRICATE PUMP	ECCS B CSIP	COMPLETE MAINTENANCE
06/03/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/03/88	12.68	PHP FAILED TO START ON LOOP SEQUENCER WHEN BUS 1ASA WAS DE-ENERGIZED	EDG A EDG/ESW PHP	REFERENCE LER 88-013 FOR CORRECTIVE ACTION
06/06/88	1.42	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
06/08/88	17.15	PERFORM MAINTENANCE PRIOR TO SCHEDULED OST-1013 PERFORMANCE	EDG A EDG	COMPLETE SURVEILLANCE TEST
06/09/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/13/88	18.75	PERFORMANCE OF EPT-072 AND MPT-10032	ECCS B RHR/1RH-69	COMPLETE PERIODIC TESTS
06/13/88	18.75	PERFORM PM-E0012 ON PUMP BREAKER	ECCS B RHR PUMP	COMPLETE PERIODIC MAINTENANCE
06/13/88	2.50	PUMP DOWN OF CONT SPRAY/RHR RECIR SUMP B	ECCS B RHR	SATISFACTORY COMPLETION OF OST-1803 & 1081
06/13/88	20.75	PERFORMANCE OF EPT-072 AND MPT-10032	ECCS B RHR/1SI-311	COMPLETE PERIODIC TESTS
06/13/88	20.75	PERFORM EPT-072 AND MPT-10032	ECCS B RHR/1SI-327	COMPLETE PERIODIC TESTS
06/13/88	18.75	PERFORM EPT-072 AND MPT-10032	ECCS B RHR/1SI-323	COMPLETE PERIODIC TESTS
06/13/88	20.75	PERFORMANCE OF EPT-072 AND MPT-10032	ECCS B RHR/1RH-63	COMPLETE PERIODIC TESTS
06/13/88	20.75	PROVIDE ISOLATION FOR TESTING OF 1SI-311	ECCS B RHR/1SI-301	COMPLETE APPLICABLE PORTIONS OF OST-1008
06/14/88	18.92	PERFORM EPT-072 (EQ INSP) & MPT-10032	ECCS A RHR/1RH-31	COMPLETE PERIODIC TESTS
06/14/88	17.58	EPT-072 (EQ INSPECTION) OF LIMITORQUES	ECCS A RHR/1RH-25	COMPLETE PERIODIC TESTS
06/14/88	17.08	PERFORM EPT-072 (EQ INSP) & MPT-10032	ECCS A RHR/1SI-310	COMPLETE PERIODIC TESTS
06/14/88	19.37	PERFORM EPT-072 (EQ INSP) & MPT-10032	ECCS A RHR/1SI-326	COMPLETE PERIODIC TESTS
06/14/88	9.25	PERFORM EPT-072 & MPT-10037	ECCS A CSIP/1SI-322	COMPLETE PERIODIC TESTS
06/15/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
06/15/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
06/16/88	34.48	PERFORM EPT-072, MPT-10032 FOUND BAD GREASE IN OPERATOR	ECCS B CSIP/1CS-752	COMPLETE CORRECTIVE MAINTENANCE
06/16/88	31.32	PERFORM EPT-072 & MPT-10032	ECCS B CSIP/1SI-2	COMPLETE PERIODIC TESTS
06/16/88	39.90	PERFORM MPT-E0008	ECCS B CSIP	COMPLETE PERIODIC TESTS
06/16/88	40.15	PERFORM EPT-072 AND MPT-10032	ECCS B CSIP/1CS-196	COMPLETE PERIODIC TESTS
06/20/88	3.83	1CS-753 B CSIP ALT MINIFLOW ISOLATION	ECCS B CSIP	COMPLETE EPT-072
06/20/88	3.45	PERFORM PIC-1009 ON 1CH-616 AH-9B-SB TCV	ECCS B CSIP	COMPLETE CALIBRATIONS

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06/20/88	3.17	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
06/22/88	13.62	PERFORM MPT-10032 & EPT-072	ECCS A CSIP/1SI-1	COMPLETE PERIODIC TESTS
06/22/88	11.82	PERFORM EPT-072 AND MPT-10032	ECCS A CSIP/1CS-745	COMPLETE EPT-072 AND MPT-10032
06/22/88	13.92	PERFORM MPT-E0008	ECCS A CSIP	COMPLETE MPT-E008
06/22/88	11.75	PERFORM EPT-072 AND MPT-10032	ECCS A CSIP/1CS-746	COMPLETE EPT-072 AND MPT-10032
06/24/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/24/88	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/27/88	2.25	PUMP DOWN THE RECIRCULATION SUMP	ECCS B RHR	COMPLETE PUMP DOWN
06/29/88	1.40	SCREENS ON A ESW BAY 8 FAIL TO MOVE WHILE PUMP IS RUNNING	EDG A EDG/TRAV SCREEN	COMPLETE CORRECTIVE MAINTENANCE
06/30/88	8.33	REPAIR LEAK ON A CCW HEAT EXCHANGER	ECCS A RHR PMP	REPAIR LEAK
06/30/88	2.07	PERFORM PIC-1009 ON 1CH-199	ECCS A RHR/AH-5A	COMPLETE CALIBRATION
07/04/88	0.75	PERFORM PIC-1009 ON 1CH-251	ECCS A RHR/1CH-251	COMPLETE PIC-1009
07/05/88	2.50	PUMP THE SUMP DOWN DUE TO LEAKAGE PAST 1CT-102 SEAT	ECCS B RHR	COMPLETE PUMP DOWN
07/06/88	0.45	TESTING OF OVERSPEED OF EDG & BARRING	EDG B EDG	COMPLETE TEST AND BARRING OF "B" EDG
07/06/88	18.67	A ESW TRAIN IS INOP DUE TO TRAVELING SCREEN SHEAR PIN BROKEN	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
07/08/88	6.23	ADJUST OR REPLACE FAN BELTS	EDG A EDG/AH-86A	COMPLETE CORRECTIVE MAINTENANCE
07/08/88	5.38	PERFORM EPT-033	EDG A EDG/A SEQ	COMPLETE PERIODIC TEST
07/08/88	4.97	CALIBRATE RELAY 2-32A/1116	EDG A EDG/A SEQ	COMPLETE MAINTENANCE
07/08/88	5.88	PERFORM PIC 10666 ON TE-6903 A-SA HVAC	EDG B EDG	COMPLETE CALIBRATION PROCEDURE
07/09/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/11/88	1.42	PUMP OUT THE SUMP	ECCS B RHR	COMPLETE PUMP DOWN
07/18/88	2.92	PUMP DOWN THE RECIRC SUMP B	ECCS B RHR	COMPLETE PUMP DOWN
07/21/88	2.55	REPACK VALVES 1RH-20, 1RH26, 1SI-324, 1SI-325	ECCS A RHR	COMPLETE MAINTENANCE
07/22/88	0.78	PERFORM EPT-033	EDG B EDG	COMPLETE EPT-033
07/22/88	0.88	1CC-167 FAILED TO OPEN & CLOSE PROPERLY	ECCS B RHR	COMPLETE MAINTENANCE
07/23/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/26/88	6.50	PUMP WTR THAT HAS LEAKED FROM RWST ISO VLVS INTO CT B SUMP	ECCS B RHR	COMPLETE MAINTENANCE
07/26/88	0.56	ESW PUMP DECLARED INOP DUE TO FAILED TRAVELING SCREENS	EDG A EDG/ESW	REFERENCE LER 88-017 FOR CORRECTIVE ACTION
07/27/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/27/88	3.42	REPLACE JUMPER WIRE WITH A QUALIFIED WIRE	ECCS B CSIP/1SI-2	COMPLETE MAINTENANCE
07/27/88	5.72	TIGHTEN & REPLACE BELTS ON AH-5A IN 190' RAB	ECCS A RHR	COMPLETE MAINTENANCE
07/27/88	3.42	REPLACE JUMPER WITH QUALIFIED WIRE	ECCS B CSIP/1SI-2	COMPLETE CORRECTIVE MAINTENANCE
08/06/88	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/06/88	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/08/88	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/08/88	7.15	PERFORM MODIFICATION PCR-875 AND 924	EDG A EDG	COMPLETE MODIFICATIONS
08/08/88	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/15/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

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08/22/88	15.20	LEAKING OIL AND LEAK ON SEAL WATER EQUALIZING LINE	ECCS	B CSIP	COMPLETE CORRECTIVE MAINTENANCE
08/25/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/29/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/05/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/16/88	0.08	EST-317 PERFORM SEQUENCER TEST	ECCS	B RHR	COMPLETE EST-317
09/16/88	0.08	EST-317 PERFORM SEQUENCER TEST	ECCS	B RHR	COMPLETE EST-317
09/20/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/27/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/09/88	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/09/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/10/88	4.42	INSTALLATION OF INSULATION ON EXHAUST STACK	EDG	A EDG	COMPLETE MAINTENANCE
10/13/88	2.75	FAN E-86 D-SB IS INOPERABLE	EDG	B EDG	REPAIR FAN
10/21/88	9.50	PROBLEMS WITH SPEED CONTROL DURING OST-1073	EDG	B EDG	ADJUST SPEED CONTROLLER
10/22/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/06/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/08/88	31.32	CALIBRATE DIFFERENTIAL PRESSURE INDICATOR	ECCS	A CSIP/AH-9A	COMPLETE CALIBRATION
11/10/88	8.23	CALIBRATE PRESSURE DIFFERENTIAL INDICATOR FOR AH-9B	ECCS	B CSIP	COMPLETE CALIBRATION
11/11/88	32.33	REPAIR SEAT LEAKS ON CASING DRAIN VALVES 1CS-175 & 1CS-176	ECCS	A CSIP	COMPLETE MAINTENANCE
11/18/88	5.33	FANS E-85 1ASA & 1BSA WILL NOT RUN, DIESEL INOPERABLE	EDG	A EDG	COMPLETE MAINTENANCE
11/19/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/21/88	12.12	COMPLETE PCR-1446 & PERFORM MOO-204 ACCEPTANCE TEST AND EPT-33	EDG	B EDG	COMPLETE TEST AND MAINTENANCE
11/22/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/23/88	21.27	DISASSEMBLE & INSP SEATING SURFACES ALT MINIFLOW VLV	ECCS	A CSIP	COMPLETE MAINTENANCE
11/25/88	33.92	PUMP UNDER CLEARANCE TO REPAIR WELD ON SEAL LINE	ECCS	B CSIP	COMPLETE MAINTENANCE
11/29/88	3.67	CALIBRATE FS-6907B (E-85 ASB & BSB)	EDG	B EDG	COMPLETE CALIBRATION
12/02/88	25.50	INCOMPLETE ECCS TIME RESPONSE TESTING	ECCS	C CSIP	REFERENCE LER 88-035 FOR CORRECTIVE ACTION
12/02/88	21.42	CSIP DECLEARED INOP DUE TO MISSED SURVEILLANCE TESTS	ECCS	C CSIP	REFERENCE LER 88-033 FOR CORRECTIVE ACTION
12/07/88	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/14/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS	B RHR	COMPLETE SCHEDULED TEST
12/14/88	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS	A RHR	COMPLETE SCHEDULED TEST
12/22/88	8.12	REMOVAL AND INSPECTION OF FUEL CONTROL BEARING BRACKET	EDG	B EDG	COMPLETE CORRECTIVE MAINTENANCE
12/22/88	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/22/88	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG	B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/29/88	1.08	LOSS OF BUS DURING PERFORM OF UNDER VOLTAGE TEST	EDG	A EDG BUS	RESTORE OFFSITE POWER TO 1ASA BUS
01/03/89	5.92	TEST AH-9A COOLING COIL FOR LEAKAGE	ECCS	A CSIP/AH-9A	CHECK FAN FOR LEAKAGE
01/03/89	5.90	OIL CHANGE	ECCS	A CSIP	COMPLETE MAINTENANCE
01/05/89	23.08	REPAIR OIL LEAKS HPT-MOOO1 ON STARTING AIR DRYERS	EDG	A EDG	COMPLETE TEST AND MAINTENANCE
01/06/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG	A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

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01/06/89	7.17	REPAIR MECH SEAL JACKET WATER KEEP WARM PUMP	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
01/07/89	2.45	REPAIR MECH SEAL JACKET WATER KEEP WARM PUMP	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
01/09/89	4.77	PERFORM MPT-10084 OIL CHANGE	ECCS A CSIP	COMPLETE MAINTENANCE
01/12/89	12.18	REPAIR OIL LEAKS AND CHANGE OIL	ECCS B CSIP	COMPLETE MAINTENANCE
01/23/89	6.50	CHANGE OIL	ECCS B RHR	COMPLETE OIL CHANGE
01/23/89	11.07	CLEAN F.O. STRAINERS, REWORK LEAKING INTAKE ELBOW, CHANGE GREASE	EDG B EDG	COMPLETE MAINTENANCE
01/24/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/25/89	14.75	DISASSEMBLE VALVE, INSPECT, LAP SEAT	ECCS B CSIP/1CS-754	COMPLETE CORRECTIVE MAINTENANCE
01/25/89	5.60	MEGGAR AND BRIDGE MOTOR	EDG B EDG/DFO XFER PHP	COMPLETE TESTS
01/26/89	6.00	PERFORM MPT-M0084 (MOTOR LUBE)	ECCS A RHR PHP	COMPLETE MAINTENANCE
01/26/89	20.67	REPLACE BONNET GASKET	ECCS A CSIP/1CS-745	REPLACE GASKET
02/10/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/10/89	41.10	CALIBRATE RELAY, PIC-E037, REPLACE VARMETER PER PCR-845	EDG A EDG	COMPLETE CALIBRATION AND MODIFICATION
02/21/89	0.88	VERIFY REMOVAL OF TEMP. MOD. PCR-768	ECCS B RHR/1CC-167	COMPLETE REMOVAL
02/21/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/02/89	3.42	A TRAIN E-85 FANS WILL NOT CONTINUE RUNNING	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
03/04/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
03/04/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
03/09/89	24.65	VALVE 1CS-214 FAILED TO STROKE SHUT	ECCS A CSIP	COMPLETE CORRECTIVE MAINTENANCE
03/09/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/09/89	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/09/89	15.83	REPAIR LEAKS ON PUMPS, FITTINGS AND JACKET SAMPLE VALVES	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
03/22/89	14.07	INSTALL PCR-845	EDG B EDG/ESW	COMPLETE MODIFICATION
03/23/89	0.25	TROUBLESHOOT PROBLEM WITH FI-605A AND REPAIR	ECCS A RHR	COMPLETE CORRECTIVE MAINTENANCE
03/23/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/06/89	4.42	REMOVE TERMINAL COVER AND CHECK PER PCR-3425	ECCS A CSIP/1SI-4	COMPLETE MODIFICATION
04/06/89	3.00	REMOVE TERMINAL COVER AND CHECK PER PCR-3425	ECCS B CSIP/1RH-63	COMPLETE MODIFICATION
04/10/89	12.53	MPT-10032 LIMITORQUE INSPECTION	ECCS C CSIP/1CS-169	COMPLETE MAINTENANCE TEST AND INSPECTION
04/10/89	12.53	MPT-10032 LIMITORQUE INSPECTION	ECCS B CSIP	COMPLETE MAINTENANCE TEST AND INSPECTION
04/12/89	11.05	MPT-10032 LIMITORQUE INSPECTION	ECCS C CSIP/1CS-168	COMPLETE MAINTENANCE TEST AND INSPECTION
04/12/89	0.30	INSPECT 1DFO-164, INSP. SEQUENCER, MST-10493	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE AND TEST
04/12/89	11.05	MPT-10032 LIMITORQUE INSPECTION	ECCS A CSIP/1CS-170	COMPLETE MAINTENANCE TEST AND INSPECTION
04/13/89	0.18	REPAIR BARRING DEVICE	EDG A EDG	REPAIR BARRING DEVICE
04/13/89	0.35	REPLACE BARRING DEVICE	EDG A EDG	REPLACE AFTER ATTEMPTED REPAIR
04/13/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/20/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/26/89	4.42	CLEAN GEAR DRIVE OIL STRAINER	ECCS A CSIP	COMPLETE MAINTENANCE
04/26/89	4.47	CLEAN GEAR DRIVE OIL STRAINER	ECCS B CSIP	COMPLETE MAINTENANCE

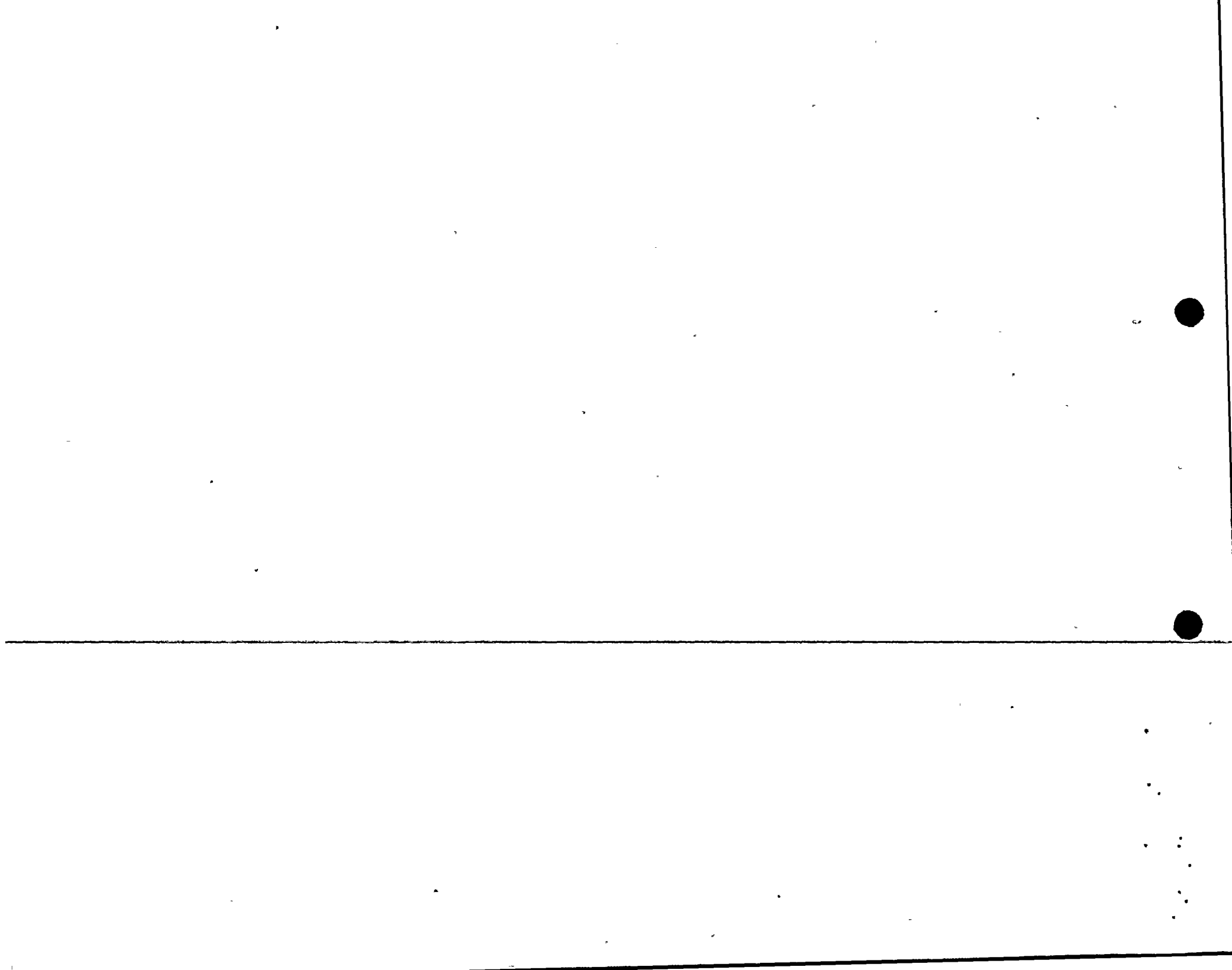
DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
04/27/89	3.92	REPLACE PLUGS IN OIL COOLER HEAT EXCHANGER	ECCS B CSIP	COMPLETE CORRECTIVE MAINTENANCE
05/08/89	16.50	INSPECTION FOR LEAKS AND PERFORM EST-211	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE AND TEST
05/09/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/16/89	4.72	FUEL OIL TRANSFER PUMP FAILED OST-1073	EDG B EDG/1DFO-E003	COMPLETE CORRECTIVE MAINTENANCE
05/16/89	13.33	REPLACE TORQUE SWCH	ECCS A RHR/1CC-147	COMPLETE CORRECTIVE MAINTENANCE
05/17/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/17/89	2.12	BREAKER REPLACEMENT PCR-4007	EDG B EDG	COMPLETE MODIFICATION
05/17/89	6.65	REPLACE TORQUE SWITCH	ECCS B RHR/1CC-167	COMPLETE CORRECTIVE MAINTENANCE
05/19/89	6.83	E-86A FAN TRIPPED & BKR WILL NOT RESET	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
05/26/89	4.72	REPLACE TORQUE SWITCH	ECCS B RHR/1CC-167	COMPLETE CORRECTIVE MAINTENANCE
05/27/89	5.92	REMOVED FROM SERVICE TO PLACE B CSIP IN SERVICE	ECCS C CSIP	COMPLETE TRANSFER
05/31/89	1.42	TAKEN OOS TO TEST B-CSIP	ECCS C CSIP	COMPLETE TEST RETURN TO SERVICE
06/02/89	3.00	BKR RACKED OUT TO ALLOW B CSIP PHP TEST	ECCS C CSIP	COMPLETE TEST RETURN TO SERVICE
06/02/89	1.32	AIR START SOLENOID TROUBLESHOOTING	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
06/04/89	27.62	FAN BKR TRIPS ON THERMALS	EDG A EDG/1DG-E017	COMPLETE CORRECTIVE MAINTENANCE
06/04/89	23.28	DISASSEMBLE AND INSPECT IDFO-205	EDG A EDG/1DG-E017	COMPLETE CORRECTIVE MAINTENANCE
06/05/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/07/89	2.50	MPT-10068 WHICH INOPS AH-85	EDG B EDG/1DG-E015	COMPLETE PERIODIC TEST
06/07/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
06/07/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
06/16/89	7.48	CHANGE OIL	ECCS B RHR	INSPECT FOR PROPER OIL LEVEL
06/16/89	14.08	DG INOP WITH ESW INOP & DUE TO MST-10490	EDG B EDG/ESW	COMPLETE SURVEILLANCE TEST
06/16/89	14.03	REPACK VALVE 1-SW8	EDG B EDG/1SW-8	COMPLETE MAINTENANCE
06/17/89	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/17/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/18/89	3.25	CALIBRATE FLOW SWITCH 6905B	EDG B EDG/AH-85	COMPLETE CALIBRATION
06/20/89	13.18	ADJUST #6 CYLINDER	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
06/22/89	3.03	INSPECT VALVE SPRINGS	EDG A EDG/1DG-E002	COMPLETE INSPECTION
07/05/89	1.38	REPAIR 1EA-14, 1EA29 & SOLENOID VALVE	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
07/05/89	15.58	CHANGE OIL IN PUMP	ECCS A CSIP	COMPLETE MAINTENANCE
07/05/89	12.72	UNDER CLEARANCE FOR COIL LEAK CHECK	ECCS A CSIP/AH-9A	COMPLETE MAINTENANCE
07/05/89	10.48	CHANGE OIL IN PUMP	ECCS A RHR	COMPLETE OIL CHANGE
07/06/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/07/89	2.13	REMOVE SUMP COVER TO FIX LEVEL INDICATOR	ECCS B RHR	COMPLETE CORRECTIVE MAINTENANCE
07/11/89	5.67	MAINTENANCE ON 1SW-E006	EDG B EDG	COMPLETE MAINTENANCE
07/17/89	12.50	REPLACE EXHAUST GASKET, PLANNED PM	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
07/17/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/24/89	7.57	PERFORM MAINTENANCE ON 1SW-270	EDG B EDG/1SW-E005	COMPLETE CORRECTIVE MAINTENANCE

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07/26/89	9.52	LIMITORQUE INSPECTION	ECCS B CSIP/1CS-196	COMPLETE INSPECTION
07/26/89	9.27	LIMITORQUE INSPECTION	ECCS C CSIP/1CS-752	COMPLETE INSPECTION
07/26/89	8.58	LIMITORQUE INSPECTION	ECCS B CSIP/1SI-2	COMPLETE INSPECTION
07/31/89	6.80	DISASSEMBLE AND CLEAN VALVE REGULATOR	EDG A EDG/1SW-20	COMPLETE CORRECTIVE MAINTENANCE
07/31/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/31/89	7.00	INSTALL PCR-4662 AND PERFORM EPT-33	EDG A EDG/A SEQ	COMPLETE MODIFICATION AND TEST
07/31/89	5.72	PERFORM LP-T-6589A	EDG A EDG/AH-86A	COMPLETE LOOP CALIBRATION
08/14/89	7.67	TRANSPOSE WIRES TO AGREE W/ DESIGN IAW PCR-4663	EDG B EDG/B SEQ	COMPLETE MODIFICATION AND TEST
08/14/89	7.00	INSPECT COUPLING GUARD	ECCS B CSIP	COMPLETE INSPECTION
08/15/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/21/89	5.67	RHR VALVES NOT BEING TESTED AS REQUIRED	ECCS RHR	REFERENCE LER 89-014 FOR CORRECTIVE ACTION
08/22/89	11.58	REPLACE FILTERS ON BOTH FANS	EDG A EDG/AH-85	COMPLETE MAINTENANCE
08/22/89	14.50	PERFORM CM-ME0018, CLEAN CORROSION FROM PHP COUPLING & SHAFT	EDG A EDG/ESW PUMP	COMPLETE MAINTENANCE
08/22/89	14.50	MAINTENANCE INSPECTION AND LUBRICATION	EDG A EDG/AUX RES SCRIN	VERIFY PROPER SCREEN OPERATION
08/28/89	6.92	MAINTENANCE ON EDG	EDG A EDG	COMPLETE MAINTENANCE
08/29/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/06/89	8.75	PERFORM MPT-10032 LIMITORQUE INSPECTION	ECCS B CSIP/1SI-323	COMPLETE INSPECTIONS AND TEST
09/07/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
09/07/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
09/11/89	12.18	MAINTENANCE ON DG RELAYS	EDG B EDG	COMPLETE MAINTENANCE
09/11/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/11/89	3.80	SERVICE WATER LEAK ON SPEED CHANGER COOLER	ECCS B CSIP	COMPLETE CORRECTIVE MAINTENANCE
09/25/89	7.12	PERFORM MST-E0059 AND MST-E0061	EDG A EDG	COMPLETE SURVEILLANCE TEST
09/25/89	1.00	CALIBRATE FLOW SWITCHES FS-6905B-SB	EDG B EDG/AH-85	COMPLETE CALIBRATION
09/25/89	1.50	PERFORM LP-T-6502A	ECCS A RHR/AH-5A	COMPLETE LOOP CALIBRATION
09/26/89	4.83	INSPECT PUMP CLEARANCES	EDG A EDG/ESW SCRIN WASH	COMPLETE INSPECTIONS
09/26/89	2.67	CHANGE FILTER AIR HANDLER AH-86	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
09/27/89	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/27/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/09/89	5.00	INSPECT & REPLACE AIR FILTERS	EDG B EDG/AH-85	COMPLETE CORRECTIVE MAINTENANCE
10/09/89	4.50	FUEL OIL XFER PUMP STRAINER LEAK	EDG B EDG/XFER PHP	COMPLETE CORRECTIVE MAINTENANCE
10/09/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/16/89	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/16/89	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/23/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/07/89	1.92	2 HANGERS REMOVED FOR ISI INSPECTION	ECCS A RHR	REINSTALL HANGERS
11/08/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/22/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

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11/23/89	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
11/23/89	0.50	OST-1008 RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
11/27/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/04/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/10/89	0.28	LOSS OF ALL RHR DURING VALVE TESTING	ECCS RHR	REFERENCE LER 89-022 FOR CORRECTIVE ACTION
12/12/89	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/12/89	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/14/89	2.77	PERFORM MAINTENANCE ON 1SI-3	ECCS B CSIP/1SI-3	REPLACE TORQUE SWITCH
12/15/89	32.08	JACKET WATER KEEPWARM PMP LEAK	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
12/15/89	3.30	REPLACE TORQUE SWITCH	ECCS A CSIP/1SI-4	REPLACE TORQUE SWITCH
12/17/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/22/89	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/22/89	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/28/89	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/31/89	46.00	FREQUENCY DID NOT STABILIZE	EDG B EDG	COMPLETE RETEST
01/01/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/01/90	0.58	IND. LIGHTS FOR B DG FUEL OIL XFER PMP & DAY TNK INLT NOT OPER.	EDG B EDG	REPLACE RELAY IN THE CONTROL PANEL
01/03/90	12.20	MAINTENANCE ON RELAY 43T-DG1SB/1085	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
01/15/90	14.87	REPAIR 1DJO-10 AND 1PW-45	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
01/16/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/23/90	0.67	ADJUST PACKING	ECCS B CSIP/1SI-2	COMPLETE CORRECTIVE MAINTENANCE
01/29/90	13.32	SET LIMIT SWITCHES	ECCS B CSIP/1SI-311	COMPLETE CORRECTIVE MAINTENANCE
01/29/90	21.82	LUBRICATE DRIVE COUPLING	EDG B EDG/1DLO-E006	COMPLETE CORRECTIVE MAINTENANCE
01/29/90	21.82	REPLACE EXHAUST GASKET	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
01/29/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/29/90	13.07	CHANGE FILTER	EDG B EDG/1B23-SB-3A	REPLACE FILTER
01/29/90	8.53	REBUILD AIR REGULATOR	ECCS B RHR/1RH-66	COMPLETE CORRECTIVE MAINTENANCE
02/12/90	36.78	PREPLANNED MAINTENANCE	EDG A EDG	COMPLETE MAINTENANCE
02/13/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/13/90	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
02/20/90	13.03	TORQUE BLADE PITCH LOCKNUT ON EXHAUST FAN	EDG A EDG/E88A	COMPLETE CORRECTIVE MAINTENANCE
02/20/90	12.80	INSPECT MOTOR WINDING	EDG A EDG/ESW PUMP	COMPLETE INSPECTIONS
02/20/90	13.07	B CHILLER FAILED TO DEVELOP REQUIRED FLOW	ECCS CSIP/ESCWC	REFERENCE LER 90-003 FOR CORRECTIVE ACTION
02/22/90	3.03	A ESW OOS FOR CALIBRATION OF PT-9101A1	EDG A EDG	COMPLETE CALIBRATION
02/26/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/26/90	19.20	VARIOUS MAINTENANCE JOBS	EDG B EDG	COMPLETE MAINTENANCE
02/28/90	6.40	PERFORM PM-10020 ON 1SI-341	ECCS B RHR/1SI-341	COMPLETE MAINTENANCE
03/01/90	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST

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03/06/90	12.42	PERFORM PM-E0012 ON BREAKER	ECCS A RHR	COMPLETE MAINTENANCE
03/06/90	20.18	REPLACE MOTOR PINION KEY	ECCS A RHR/1RH-25	COMPLETE CORRECTIVE MAINTENANCE
03/12/90	20.42	PREPLANNED MAINTENANCE	EDG A EDG	COMPLETE MAINTENANCE
03/13/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/13/90	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/19/90	0.18	1SW-271 FAILED IN OPEN POSITION	EDG B EDG/1SW-271	COMPLETE CORRECTIVE MAINTENANCE
03/22/90	0.18	PREPLANNED MAINTENANCE	EDG A EDG	COMPLETE MAINTENANCE
03/23/90	0.70	ADJUST PACKING	ECCS B CSIP/1SI-2	COMPLETE CORRECTIVE MAINTENANCE
03/26/90	20.92	CHANGE VARIOUS AIR AND FUEL OIL FILTERS	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
03/27/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/28/90	11.33	SAMPLE AND CHANGE OIL ARE REQ'D IAW MPT-M0084	ECCS B CSIP	CHECK NORMAL OIL LEVELS
03/29/90	0.25	B ESW SCREENWASH PUMP TRIPPED ON OVER LOAD	B EDG/1SC-BAY6	COMPLETE CORRECTIVE MAINTENANCE
03/29/90	3.75	ESW PHP 6.9KV MTR RACKED OUT FOR LP-P-9101B ON PHP DISCH PRESS INST	EDG B EDG/ESW	COMPLETE CALIBRATION
04/11/90	25.95	PUMP TRIPS FREQUENTLY ON THERMALS	EDG B EDG/1SC-BAY6	COMPLETE CORRECTIVE MAINTENANCE
04/11/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/24/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/01/90	6.70	CHANGE OIL	ECCS A RHR	COMPLETE MAINTENANCE
05/03/90	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
05/07/90	8.83	PERFORM PREPLANNED EDG MAINTENANCE	EDG A EDG/1DG-E002	COMPLETE MAINTENANCE
05/07/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/17/90	0.20	PERFORM EPT-153	ECCS C CSIP	COMPLETE TEST
05/20/90	8.30	SCREEN NOT ROTATING	EDG A EDG	VERIFY SCREEN ROTATION WITH ESW PUMP RUNNING
05/21/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/04/90	7.83	PERFORM LOOP CALIBRATION LP-9101A	EDG A EDG/1SW-E005	COMPLETE LP-9101A
06/04/90	16.23	MAINTENANCE	EDG A EDG/1DG-E002	COMPLETE MAINTENANCE
06/04/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/06/90	6.52	ADJUST/REPLACE BELTS ON AH-9A	ECCS A CSIP/AH-9A	RESTORE AH-9A
06/13/90	12.75	PREPLANNED MAINTENANCE REPLACE MOTOR OIL	ECCS B RHR	VERIFY OIL LEVEL
06/14/90	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
06/19/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/19/90	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/20/90	6.50	B CHILLER INOP DUE TO A MISPOSITIONED VALVE	ECCS B CSIP/ESCWC	REFERENCE LER 90-017 FOR CORRECTIVE ACTION
06/22/90	7.37	FAN TRIPPED UPON STARTING	EDG B EDG/1DG-E019	COMPLETE CORRECTIVE MAINTENANCE
06/26/90	1.85	INSTALL TEST EQUIP TO VERIFY DIESEL START TIMES	EDG A EDG/1DG-E002	COMPLETE TEST
07/02/90	14.33	PERFORM OIL LEAK REPAIRS AND MPT-0001	EDG A EDG/1DG-E002	COMPLETE CORRECTIVE MAINTENANCE
07/02/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/16/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/16/90	13.40	PREPLANNED MAINTENANCE	EDG A EDG	COMPLETE MAINTENANCE

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07/26/90	7.67	OIL CHANGE AND SAMPLE	ECCS A CSIP	COMPLETE MAINTENANCE AND VERIFY OIL LEVEL
07/31/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/02/90	0.90	BREAKER MOD PCR-3510 FRO1	ECCS A RHR/1A2-SA-5A	RUN A RHR PUMP CHECK BREAKER OPERATION
08/02/90	0.58	IMPLEMENT BREAKER FIELD MODIFICATION	ECCS A RHR	RACK IN ORIGINAL UNMODIFIED BREAKER
08/08/90	0.83	PUMP DOWN THE A TRAIN SUMP INSIDE CONTAINMENT	ECCS A RHR	COMPLETE PUMP DOWN
08/10/90	0.67	PCR-3510 480V BKR MODIFICATION	ECCS A RHR	COMPLETE MODIFICATION
08/10/90	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
08/13/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/14/90	7.60	OIL CHANGE AND ROUTINE PREVENTATIVE MAINTENANCE	ECCS B CSIP	COMPLETE MAINTENANCE
08/20/90	0.17	REPLACE SPARE BREAKER WITH MODIFIED ORIGINAL PER PCR-3510	ECCS A RHR	CYCLE BKR OBSERVE NORMAL PMP OPERATION
08/21/90	3.02	REMOVE ORIGINAL BKR AND INSTALL MODIFIED BKR PER PCR-3510	ECCS B RHR	CYCLE BKR OBSERVE NORMAL PMP OPERATION
08/27/90	35.37	REPLACE CAMSHAFT COVER GASKET AND CRANKCASE RELIEF VALVES	EDG A EDG	COMPLETE MAINTENANCE
08/28/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/30/90	0.37	INSTALL PCR-3510	ECCS B RHR	COMPLETE MODIFICATION
09/04/90	19.28	TRANSHITTER FAILED MST-10078	ECCS A RHR/FT-605A	REPLACE TRANSHITTER
09/05/90	6.72	PERFORM EPT-150	EDG B EDG/1SW-E006	RESTORE ESW PER EPT-150
09/10/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/12/90	0.25	VALVE FAILED TO STROKE SHUT DURING OST-1215	EDG A EDG/1SW-276	CLOSE 1SW-276
09/14/90	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
09/24/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/25/90	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/07/90	3.92	PERFORM MPT-M0011 VALVE COVER GASKET REPLACEMENT	EDG B EDG	COMPLETE MAINTENANCE
10/11/90	9.80	TROUBLESHOOTING PROBLEM WITH CONTROL AIR LEAK	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
10/12/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/22/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/24/90	3.50	CHANGE OIL	ECCS A RHR	COMPLETE MAINTENANCE
10/25/90	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
11/03/90	28.75	REPAIR LEAK ON EQUALIZING LINE	ECCS B CSIP	COMPLETE CORRECTIVE MAINTENANCE
11/04/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
11/07/90	2.33	PERFORM LOOP CALIBRATION ON T-6522A	ECCS A CSIP/AH-9A	COMPLETE LOOP CALIBRATION
11/07/90	51.28	DECHROMATING SKID ATTACHED ACROSS A CCW PUMP	ECCS A CSIP	COMPLETE EPT-097
11/12/90	1.33	LINKAGE ON VALVE ACTUATOR IS BROKEN	ECCS A CSIP/1SW-1055	COMPLETE CORRECTIVE MAINTENANCE
11/19/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/03/90	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/03/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/06/90	5.08	CHANGE LUBE OIL	EDG A EDG	COMPLETE MAINTENANCE
12/11/90	3.85	PERFORM MPT-M0084 AND PH-M0074 OIL CHANGE	ECCS B RHR	COMPLETE MAINTENANCE
12/12/90	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST



DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
12/17/90	37.68	INSPECT CYLINDER HEADS & REPLACE LEAK GASKET	EDG A EDG	COMPLETE MAINTENANCE
12/18/90	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/27/90	37.92	TROUBLESHOOT WHY VALVE WILL NOT OPEN	ECCS A CSIP/1SI-1	COMPLETE CORRECTIVE MAINTENANCE
12/31/90	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
12/31/90	4.17	AH-9A U/C TO REPLACE BELTS THIS INOPS A CSIP	ECCS A CSIP/AH-9A	COMPLETE CORRECTIVE MAINTENANCE
01/02/91	10.15	REPLACE PRESSURE SWITCH FOR 86 LO RELAY	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
01/08/91	4.35	PERFORM LP-T-6502B LOOP CALIBRATION	ECCS B RHR/AH-5B	COMPLETE LP-T-6502B
01/12/91	0.47	RETEST AUX RESERVOIR SCREENS ON HI SPEED AFTER COIL REPLACEMENT	EDG B EDG	COMPLETE MAINTENANCE AND TEST
01/14/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/22/91	8.67	PERFORM EPT-300 ON CS-210, C CSIP MINIFLOW ISOLATION	ECCS B CSIP	COMPLETE PERIODIC TEST
01/22/91	4.52	PERFORM LOOP CALIBRATION LP-T-6522B	ECCS B CSIP/AH-9B	COMPLETE LOOP CALIBRATION
01/22/91	30.33	PCR-5435 AND LIMITORQUE INSPECTION	ECCS B RHR/1RH-69	COMPLETE MODIFICATION AND INSPECTION
01/22/91	30.33	PCR-5435 AND LIMITORQUE INSPECTION	ECCS B CSIP/1SI-2	COMPLETE MODIFICATION AND INSPECTION
01/24/91	9.72	ADJUST SEAL TAKE LO SAMPLES CHG OIL & GREASE IN COUPLING	ECCS A CSIP	VERIFY PROPER OIL LEVEL & NO OIL LEAKS
01/28/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
01/28/91	8.08	PLANNED MAINTENANCE	EDG B EDG	COMPLETE MAINTENANCE
02/11/91	1.02	PERFORM LP-T-6589A LOOP CALIBRATION	EDG A EDG/1EV-A86A	COMPLETE LOOP CALIBRATION
02/11/91	14.38	INSTALL NEW SHUTTLE VALVE	EDG A EDG	COMPLETE VALVE REPLACEMENT
02/11/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/12/91	1.18	REPLACE BREAKER ON 1CS-946	ECCS A CSIP/1CS-946	VERIFY VALVE STROKES
02/12/91	57.28	INSTALL VOTES ON VARIOUS RHR VALVES PCR-5435	ECCS A RHR	COMPLETE TEST AND MAINTENANCE
02/14/91	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
02/25/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
02/26/91	1.57	PERFORM LOOP CALIBRATION ON TEMPERATURE LOOP	EDG A EDG/E88A	COMPLETE LOOP CALIBRATION
02/27/91	42.58	B LOOP OUTAGE VARIOUS JOBS IN MODE 5-6	ECCS B RHR	COMPLETE MAINTENANCE
03/02/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
03/06/91	7.37	REPLACE QUICK VENT SHUTTLE VALVE	EDG B EDG	COMPLETE VALVE REPLACEMENT
03/11/91	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/11/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/13/91	5.50	BOTH CSIPS INOP DUE TO B SEQUENCER RELAYS FAILING	ECCS B CSIP/B SEQ	REFERENCE LER 91-005 FOR CORRECTIVE ACTION
03/13/91	0.95	VOTES TESTING ON 1CS-182	ECCS A CSIP/1CS-182	COMPLETE TESTING
03/14/91	0.13	B CHILLER INOP DUE FAILED PERFORMANCE TESTS	ECCS B CSIP/ESWC	REFERENCE LER 91-004 FOR CORRECTIVE ACTION
03/14/91	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/14/91	8.72	VOTES TESTING & TORQUE SWITCH SETTING	ECCS A CSIP/1CS-182	COMPLETE TESTING
03/20/91	3.00	VALVE THERMALS OUT DURING OPERATION	EDG A EDG/1SW-270	COMPLETE CORRECTIVE MAINTENANCE
03/25/91	1.86	BOTH TRAINS OF ESW WERE REMOVED FROM SERVICE	ECCS RHR/ESW/CCW	REFERENCE LER 91-007 FOR CORRECTIVE ACTION
03/29/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
03/31/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
04/16/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/16/91	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/18/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/18/91	1.50	OST-1823 1A-SA EDG OPERABILITY 18 MONTH	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
04/24/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
04/24/91	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
04/25/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/01/91	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/04/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/04/91	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/07/91	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/07/91	1.50	OST-1824 1B-SB EDG OPERABILITY 18 MONTH	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/08/91	0.38	DISCHARGE VALVE SHUT FOR STROKING SI VALVES	ECCS A CSIP	COMPLETE TESTING
05/08/91	0.08	DISCHARGE VALVE SHUT TO STROKE 1S1-107	ECCS A CSIP	COMPLETE TESTING
05/08/91	0.88	DISCHARGE VALVE SHUT TO STROKE 1S1-107	ECCS A CSIP	COMPLETE TESTING
05/12/91	144.00	RWST BORON HIGHER THAN ALLOWED	ECCS RWST	REFERENCE LER 91-011 FOR CORRECTIVE ACTION
05/23/91	5.53	REPLACE GENERATOR BEARING TEMPERATURE SWITCH	EDG A EDG	COMPLETE CORRECTIVE MAINTENANCE
05/24/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
05/29/91	5.62	OIL COOLER SERVICE WATER LEAK	ECCS B CSIP	COMPLETE CORRECTIVE MAINTENANCE
06/02/91	1.42	SHEAR PIN BROKEN ON AUX TRAV SCREEN	EDG B EDG	REPAIR, VERIFY PROPER OPERATION
06/05/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/05/91	12.92	REPAIR/REPLACE 1DFO-213 VALVE	EDG B EDG	REPLACE LEAKING VALVE
06/05/91	1.50	OST-1086 1B-SB EDG OPERABILITY SEMIANNUALLY	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
06/12/91	0.25	PACKING ADJUSTMENT RESULTS IN LOSS OF ECCS	ECCS B CSIP/A RHR/CCW	REFERENCE LER 91-014 FOR CORRECTIVE ACTION
06/12/91	0.10	CCW FLOW TO A RHR PUMP WAS LOST	ECCS A RHR	RESTORE CCW FLOW
06/17/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
06/19/91	3.17	BELT INSPECTION	ECCS B CSIP/AH-9B	INSTALL NEW BELTS
06/20/91	9.25	TIGHTEN BELTS	ECCS A CSIP/AH-9A	COMPLETE BELT ADJUSTMENTS
06/20/91	25.67	REPLACE STRAINER	EDG A EDG/1SW-E041	COMPLETE CORRECTIVE MAINTENANCE
06/20/91	22.42	STRAIGHTEN UPPER STEM ON VALVE 1CC-142	ECCS A RHR/1CC-147	COMPLETE CORRECTIVE MAINTENANCE
06/20/91	1.63	COMPLETE LP-T-6502A LOOP CALIBRATION	ECCS A RHR/AH-5A	COMPLETE LOOP CALIBRATION
06/20/91	9.25	CHANGE OIL IN PUMP	ECCS A CSIP	COMPLETE MAINTENANCE
06/20/91	27.82	INSP. ST AIR CAM, REPAIR OIL LEAK ON HUMPHREY VALVE	EDG A EDG	COMPLETE INSPECTIONS AND MAINTENANCE
06/20/91	2.97	PERFORM CALIBRATION PIC-1032	ECCS A RHR/RH-602ASW	COMPLETE CALIBRATION
06/20/91	25.67	INSPECT/REPLACE UPPER MOTOR BEARING	EDG A EDG/1SW-E005	REPLACE MOTOR BEARINGS
06/20/91	27.82	INSPECT SUCTION STRAINER	EDG A EDG/1DFO-E002	COMPLETE INSPECTIONS
06/21/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/01/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST

DATE	DURATION	CAUSE	SYSTEM/COMPONENT	CORRECTIVE ACTION
07/03/91	10.30	INSPECT/PUMP AND CHANGE OIL	ECCS B CSIP	COMPLETE OIL CHANGE
07/06/91	3.13	REPLACE DIRTY LUBE OIL FILTER	EDG B EDG	COMPLETE CORRECTIVE MAINTENANCE
07/16/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/16/91	3.68	REPAIR WELD LEAK ON EQUALIZING LINE	ECCS B CSIP	LEAK CHECK EQUALIZING LINE
07/17/91	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
07/26/91	2.67	SWAPPING TO 1B-SB CSIP	ECCS C CSIP	COMPLETE SWAP
07/28/91	10.22	1RH-31 WILL NOT AUTO OPEN ON LOW FLOW	ECCS A RHR	COMPLETE CORRECTIVE MAINTENANCE AND CALIBRATION
07/29/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
07/30/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
07/30/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
08/01/91	0.73	INSTALL TEST EQUIPMENT FOR EPT-184	ECCS B CSIP/1CS-755	COMPLETE TESTING REMOVE TEST EQUIPMENT
08/07/91	1.62	CALIBRATE FS-6905B-SB	EDG A EDG/AH-85	COMPLETE CALIBRATIONS
08/11/91	22.18	DISASSEMBLE, BENCH TEST & REPLACE RELIEF VALVE	ECCS B RHR/1CC-165	COMPLETE TEST
08/13/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/16/91	1.23	INSTALL TEST EQUIPMENT FOR EPT-183	ECCS A CSIP/1CS-744	COMPLETE TESTING REMOVE TEST EQUIPMENT
08/16/91	15.00	RUNNING 2 PUMPS CAUSES 1CC-145 TO LIFT	ECCS A RHR/1CC-145	COMPLETE CORRECTIVE MAINTENANCE
08/29/91	5.78	PERFORMANCE OF LP-T-6904B	EDG B EDG	COMPLETE CALIBRATIONS
08/30/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
08/31/91	10.68	PRESS. SWITCH WOULD NOT RESET DURING OST-1215	EDG B EDG/8752BSB	COMPLETE CORRECTIVE MAINTENANCE
08/31/91	5.18	WOULD NOT DEVELOP REQ'D FLOW IAW OST-1215	EDG B EDG/1SC-BAY6	COMPLETE CORRECTIVE MAINTENANCE
09/04/91	4.43	PERFORM LOOP CALIBRATIONS ON LP-T-6904A	EDG A EDG	COMPLETE LOOP CALIBRATIONS
09/09/91	0.58	FAILED EPT-033	EDG A EDG/A SEQ	COMPLETE PERIODIC TEST
09/09/91	1.50	OST-1085 1A-SA EDG OPERABILITY SEMIANNUALLY	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/09/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
09/16/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
09/20/91	1.50	LOOP CALIBRATIONS	EDG A EDG	COMPLETE LOOP CALIBRATIONS
09/24/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/02/91	2.57	WORK ON DG-045B-1 MOTOR OPERATED DAMPER	EDG B EDG/1DG-E019	COMPLETE CORRECTIVE MAINTENANCE
10/07/91	1.50	OST-1013 1A-SA EDG OPERABILITY MONTHLY INTERVAL	EDG A EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/08/91	0.50	OST-1008 1A-SA RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS A RHR	COMPLETE SCHEDULED TEST
10/17/91	0.90	PACKING ADJUSTMENT	ECCS A CSIP/1CS-182	COMPLETE CORRECTIVE MAINTENANCE
10/21/91	1.50	OST-1073 1B-SB EDG OPERABILITY MONTHLY INTERVAL	EDG B EDG	PERFORM 3 AIR ROLLS - 1 PRE-TEST & 2 POST-TEST
10/22/91	0.50	OST-1092 1B-SB RHR PUMP OPERABILITY QUARTERLY INTERVAL	ECCS B RHR	COMPLETE SCHEDULED TEST
10/23/91	59.00	INOPERABLE TO CLEAN ESW SCREEN WASH PUMP	EDG A EDG/ESW	COMPLETE CORRECTIVE MAINTENANCE

ATTACHMENT 2

GLOSSARY OF TERMS/ABBREVIATIONS USED ON ATTACHMENT 1

ACCUM - Accumulator for low head injection
AH - Air handler
ALT - Alternate
BKR - Circuit breaker
CCW - Component cooling water
CM - Corrective maintenance
CSIP - Charging safety injection pump for high head safety injection
EDG - Emergency diesel generator
ESCWC - Essential service chilled water chiller
ESW - Emergency service water
EPT - Engineering periodic test
EQ - Equipment qualification (environmental)
FO - Fuel oil
FR - Field revision
FREQ - Frequency
FS - Flow switch
HFA - A type of "General Electric" relay
HVAC - Heating ventilation air conditioning
IND - Indicator
INOP - Inoperable
INSP - Inspection
ISI - Inservice inspection
LER - Licensee event report
LO - Lock out
LVL - Level
MOD - Modification
MOV - Motor operated valve
MST - Maintenance surveillance test
OOS - Out of service
OST - Operations surveillance test
PCR - Plant change request
PMP - Pump
RECIRC- Recirculating
RHR - Residual heat removal system for low head safety injection
RWST - Reactor water storage tank
SAT - Satisfactory
SEQ - Sequencer
TS - Technical specification
VLCO - Voluntary limited condition of operation
XFER - Transfer

