



EDISON DRIVE
AUGUSTA, MAINE 04336
(207) 623-3521

January 4, 1982
MN-83-03

JHG-83-02

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Office of Nuclear Reactor Regulation
Division of Licensing
Operating Reactors Branch No. 3
Mr. Robert A. Clark, Chief

Reference: (a) License No. DPR-36 (Docket No. 50-309)
(b) MYAPCo Letter to USNRC, dated January 7, 1981 - WMY-80-166
(c) USNRC Letter to MYAPCo, dated September 14, 1982

Subject: Emergency Core Cooling System (ECCS) Outage

Dear Sir:

This letter provides the additional information regarding outages of ECC systems at Maine Yankee requested in Reference (c).

You specifically requested, Reference (c), outage information for the refueling water storage tank (RWST), the flow path from the RWST, and the safety injection tanks (SIT). These systems experienced no outages during the period of interest, therefore, do not appear in data.

Maintenance outages reported in Reference (b) have been revised, to incorporate better estimates of outage time for maintenance tasks and rearranged by regrouping under ECCS train affected (Encl. 1).

Detailed information on outages resulting from surveillance testing is not available from plant records. However, outage durations for the performance of required ECCS surveillance have been estimated. This information is provided for those monthly or quarterly surveillance actions which require taking the component out of service (Encl. 2). During the period of interest, the plant was operating for about four years and three months which resulted in 17 quarterly and 51 monthly surveillance periods. Total outage duration can be estimated by multiplying the number of periods by the outage duration for each surveillance test of interest.

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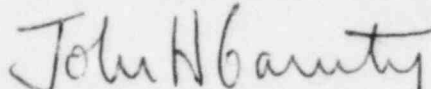
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We trust that this information is satisfactory. If you have any questions please do not hesitate to contact us.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY



John H. Garrity, Senior Director
Nuclear Engineering & Licensing

JHG:pjp

Enclosure 1 (3 pages)

Enclosure 2 (1 page)

cc: Mr. Ronald C. Haynes
Mr. Paul A. Swetland

ENCLOSURE (1)

ECCS TRAIN A

<u>DATE</u> (approx)	<u>DURATION</u> (estimated)	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>CAUSE</u>	<u>ACTION TAKEN</u>
01-03-76	2 Hrs.	DG	DG-1A	"Loss of control power" alarm	Replace defective relay
03-04-77	2 Hrs.	DG	DG-1A	Leak	Installed new gasket on fuel filter
02-18-78	2 Hrs.	DG	DG-1A	Electric speed control malfunction	Cleaned dirty pc cards (see MY LER (78-003))
03-02-78	8 Hrs.	HPSI	Pl4A	Bearing failure during test	Spare pump aligned. Pump repaired. (See MY LER #78-007)
10-10-78	8 Hrs.	DG	DG-1A	HFO Pressure Alarm during surveillance 08-23-78	Tighten swedge lock fitting tighten oil line fitting
11-05-79	2 Hrs.	DG	DG-1A	Poor contact connections in control circuit	Repair/replace/clean contacts
12-10-79	2 Days	DG	DG-1A	Turbocharger fire in DG1B	Replaced turbocharger to prevent similar failure
04-08-80	30 Min	LPSI	LSI-M-31	Failed to operate during surveillance	Valve cycled daily for 4 days satisfactorily (see MY LER #80-009)
05-06-80	30 Min	LPSI	LSI-M-31	Broken weld in coupling of operating extension shaft	Placed valve in open position. Repaired valve (see MY LER #80-112)

ENCLOSURE (1)

ECCS TRAIN B

<u>DATE</u> (approx)	<u>DURATION</u> (estimated)	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>CAUSE</u>	<u>ACTION TAKEN</u>
01-26-76	6 Hrs.	DG	DG-1B	Oil level low	Add 1 bbl oil
06-04-76	4 Hrs.	DG	DG-1B		Replace fuel oil filter
06-07-76	8 Hrs.	DG	DG-1B		Replace DC relay
08-26-76	8 Hrs.	DG	DG-1B	Annual PM	
08-31-76	8 Hrs.	DG	DG-1B		Reset thermostat
10-07-76	6 Hrs.	DG	74-DC-3 (DG-1B)	Relay failed	Replace relay
01-18-77	8 Hrs.	DG	DG-1B	Vibratrion	Retorqued outer rim coupling bolts
01-19-77	8 Hrs.	DG	DG-1B	Vibration	Retorqued outer rim coupling bolts
01-20-77	8 Hrs.	DG	DG-1B	Vibration	Retorqued outer rim coupling bolts
03-29-77	8 Hrs.	DG	DG-1B		Replaced screening in exhaust silencer
11-01-77	8 Hrs.	DG	DG-1B		Replaced 4 fuel filter elements
09-25-78	8 Hrs.	DG	DG-1B	Governor control sluggish	Air in fuel line. Line vented. (see MY LER #78-023)
12-05-78	6 Hrs.	DG	DG-1B	Governor oil level increased after diesel run	Inspection only
03-07-79	1 Hr.	HPSI	HSI-M-54B	Failed to operate during test. Improper torque switch setting	Reset torque switches (see MY LER #79-006)

ENCLOSURE (1)

ECCS TRAIN B (CONT)

<u>DATE</u> <u>(approx)</u>	<u>DURATION</u> <u>(estimated)</u>	<u>SYSTEM</u>	<u>COMPONENT</u>	<u>CAUSE</u>	<u>ACTION TAKEN</u>
03-07-79	1 Hr.	CS	CS-M-66B	Failed to operate during test due to improper torque switch setting	Reset torque switches (see MY LER #79-006)
06-29-79	8 Hrs.	DG	DG-1B		Lube oil pump shaft coupling replaced
10-16-79	6 Days	DG	DG-1B	Turbocharger Fire	Replaced turbocharger. Changed engine drive fuel oil pump filters (see MY LER #79-026)
10-22-79	8 Hrs.	DG	DG-1B		Replace 4 fuel oil filters
10-23-79	8 Hrs.	DG	DG-1B		Replace 2 fuel oil filters
10-25-79	8 Hrs.	DG	DG-1B	Electric governor motor loose on mounting	Remove motor-clean screws, etc., reinstall motor
11-17-79	8 Hrs.	DG	DG-1B	Vibration	Replaced generator fan bearings, replaced blower shaft bearings
08-05-80	8 Hrs.	DG	DG-1B	Pinhole leak in copper gage line from htx	Replaced copper tubing
08-26-80	2 Hrs.	DG	DG-1B	Trip during surveillance run	Overspeed actuating arm loose. Tightened. (see MY LER #80-018)
09-25-80	6 Hrs.	DG	FL-30B DG-1B	Filter leak	Replaced filter, o'ring
09-26-80	6 Hrs.	DG	DG-1B	Woodward governor oil leak	Tightened 8 screws on front plate

ENCLOSURE (2)

MONTHLY SURVEILLANCE

<u>PROCEDURE</u>	<u>TITLE</u>	<u>COMPONENT/SYSTEM</u>	<u>TRAIN</u>	<u>DURATION (ESTIMATED)</u>
3.1.2	ECCS Routine Testing	Spray Header Isolated	A	1.0 hr.
		Spray Header Isolated	B	1.0 hr.
		CS-M-66 Isolated (SCAT Tank to RWST Isolation Valve)	B	5 min.
		CS-M-71 Isolated (SCAT Tank to RWST Isolation Valve)	A	5 min.
		Spray Pump	A	30 min.
		Spray Pump	B	30 min.
3.1.4.A	DG-1A Monthly Surveillance Test	DG-1A	A	10 min.
3.1.4.B	DG-1B Monthly Surveillance Test	DG-1B	B	10 min.
3.1.5	Auxiliary Feed Pump Testing	P 25 A	A	30 min.
		P 20 C	B	30 min.

QUARTERLY SURVEILLANCE

3.1.20	Safeguards Valve Testing	E 3A (Spray HX)	A	5 min.
		E 3B (Spray HX)	B	5 min.
		DG-1A	A	15 min.
		DG-1B	B	15 min.