

Maine Yankee

RELIABLE ELECTRICITY FOR MAINE SINCE 1972

EDISON DRIVE • AUGUSTA, MAINE 04336 • (207) 622-4868

March 6, 1991
MN-91-40

SEN-91-71

UNITED STATES NUCLEAR REGULATORY COMMISSION
Attention: Document Control Desk
Washington, DC 20555

Reference: (a) License No. DPR-36 (Docket No. 50-309)

Subject: Maine Yankee Licensee Event Report 91-002-00 - Emergency Diesel Generator Testing

Gentlemen:

Please find enclosed Maine Yankee Licensee Event Report 91-002-00. This report is submitted for information only.

Please contact us should you have any questions regarding this matter.

Very truly yours,

SENichols

S. E. Nichols, Manager
Nuclear Engineering & Licensing

SEN/sjj

Enclosure

c: Mr. Thomas T. Martin
Mr. Charles S. Marschall
Mr. E. H. Trottier
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LICENSEE EVENT REPORT (LER)

Facility Name(1) Maine Yankee Atomic Power Company	Docket Number(2) 0 5 0 0 0 3 0 9 1 of 2	Page(3)
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Title(4)
EMERGENCY DIESEL GENERATOR TESTING

Event Date(5)			LER Number(6)		Report Date(7)			Other Facilities Involved(8)	
Month	Day	Year	Sequential Number	Revision Number	Month	Day	Year	Facility Names	Docket Number(s)
0	1	3	0	9	0	1	0	0	0
0	1	3	0	9	0	1	0	0	0

This Report is Submitted Pursuant to the Requirements of 10 CFR § (Check one or more of the following) (11)

Operating Mode (9)	7	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(h)
Power Level (10)	1 0 0	20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	X Other (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Robert C. Crosby	Telephone Number Area Code 2 0 7 8 8 2 6 3 2 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

Cause	System	Com-ponent	Manufac-turer	Reportable to NPRDS	Cause	System	Com-ponent	Manufac-turer	Reportable to NPRDS

Supplemental Report Expected (14)

(If yes, complete Expected Submission Date)	X	No	Expected Submission Date(15)	Month	Day	Year

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

Maine Yankee Technical Specifications require a monthly test of each emergency diesel generator. Maine Yankee's practice had been to load the diesels for two hours at maximum expected KW loads and the continuous rating specified in the Final Safety Analysis Report. This loading was found to not reflect the expected KVAR loads. Both emergency diesel generators were subsequently tested at the maximum KVA load with acceptable results.

This is an informational report.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Facility Name(1)	Docket Number(2)	LER Number (6)			Page(3)	
Maine Yankee Atomic Power Company		Year	Sequential Number	Revision Number		
	05000309	91	- 002	- 00	2	of 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Maine Yankee Technical Specification 4.5 requires a monthly test be conducted to demonstrate the ability of each (emergency) diesel generator to start and deliver power up to the maximum expected emergency loading when operating in parallel with other sources"; this test is to "be of at least two hours duration". Maine Yankee practice had been to load the diesels for two hours at approximately 2500 KW, the continuous rating specified in the Final Safety Analysis Report. The diesel testing load was called into question for two reasons. First, the 2500 KW continuous rating on DG-1B did not reflect a non-essential fire pump load that could be connected. Second, the 2500 KW does not reflect the reactive (KVAR) loading expected.

Both emergency diesel generators were subsequently tested to the "maximum expected emergency loading" (2461 KW and 1362 KVAR for EDG-1A and 2643 KW and 1462 KVAR for EDG-1B) with acceptable results.

This is an informational report.