



MAINE YANKEE  
ATOMIC POWER COMPANY  
ENGINEERING OFFICE

TURNPIKE ROAD (RT. 9)  
WESTBORO, MASSACHUSETTS 01581  
617-366-9011

June 4, 1980

WMY 80-88  
B.3.2.1

United States Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Office of Nuclear Reactor Regulation  
Division of Licensing  
Mr. Robert A. Clark, Chief  
Operating Reactors Branch #3

References: (a) License No. DPR-36 (Docket No. 50-309)  
(b) USNRC Letter to MYAPC, dated May 8, 1980  
(c) USNRC Letter to MYAPC, dated November 27, 1979  
(d) MYAPC Letter to USNRC (WMY 80-36), dated March 4, 1980

Subject: Loss of Offsite Power Survey

Dear Sir:

Your letter, Reference (b), requested information regarding either complete or partial loss of offsite power events at our facility.

In our review of this request we have determined that a very similar, if not identical list of questions had been transmitted by your office in Reference (c). Unless directed otherwise, we are going to assume that you did not receive our initial response, Reference (d), and simply enclose another copy as an attachment to this cover letter.

We trust you will find this information satisfactory; however, should you require additional information please feel free to contact us.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY

Robert H. Groce  
Senior Engineer - Licensing

RHG/ncj

Enclosure

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ATTACHMENT A



MAINE YANKEE  
Atomic Power Corporation  
ENGINEERING OFFICE

TURNPIKE ROAD (RT. 9)  
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Washington, D. C. 20555

Attention: Office of Nuclear Reactor Regulation  
Operating Reactors Branch #4  
Division of Operating Reactors

References: (a) License No. DPR-36 (Docket No. 50-309)  
(b) USNRC Letter to MYAPC dated November 27, 1979  
(c) MYAPC letter to USNRC WYM 79-14 dated March 2, 1979

Subject: Loss of Offsite Power Survey

Dear Sir:

As requested in Reference (b), we are providing the following information.

We have reviewed Maine Yankee Plant experiences with the offsite power system and find no occurrences of complete or partial loss of offsite power during the eight years of plant operation (1972 to present).

Offsite power for the Maine Yankee Plant is supplied from a 115 kV switchyard adjacent to the plant. Two 115 kV transmission lines, one from Mason Station and one from Suroweic Substation supply the 115 kV switchyard. Both Mason Station and Suroweic Substation are extensively interconnected with the 115 kV and 345 kV transmission network in the New England area. Each station has a 345 kV/115 kV automatic load tapchanging autotransformer which maintains station voltage at approximately 120 kV. Transmission line interconnections are shown on Figure 1.

Upon loss of their normal power source, the station auxiliary buses are automatically transferred to reserve station service transformers X14 and X16. Transformers X14 and X16 supply power from the 115 kV switchyard to the 4160 volt and 6900 volt buses respectively. A one line diagram of the Maine Yankee auxiliary power system is attached as Figure 2.

As long as at least one from the remote end of the line is energized and offsite power is available, years of plant operation, their maintenance and brief outages has never been a simultaneous

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Entire document previously entered into system under:

ANO 8003110448

No. of pages: 4

Dupe of  
8003110448