

August 31, 1987

Docket No.: 50-309

Mr. J. B. Randazza
Executive Vice President
Maine Yankee Atomic Power Company
83 Edison Drive
Augusta, Maine 04336

Dear Mr. Randazza:

SUBJECT: AUDIT OF PLANT CHANGES (10 CFR 50.59) FOR MAINE YANKEE ATOMIC
POWER STATION (MYAPS) SEISMIC UPGRADES

By letter dated February 26, 1987, Maine Yankee Atomic Power Company (MYAPCo) indicated that the seismic upgrades listed below would be completed by the scheduled completion dates, also listed below. By pushing the construction schedule forward, the completion date for the Refueling Water Storage Tank anchorage upgrade was implemented approximately 18 months earlier than promised.

<u>Description Change</u>	<u>Schedule Completion Date</u>
Diesel fuel day tank anchorage upgrade	done
Control Room cooler anchorage upgrade	done
Welding cart/gas bottle tiedown	done
Security lighting tiedown	done
Main control board alarm tiedown	done
Strengthen blockwall VE 21-1	1987 Outage (done)
Upgrade anchors for fans 44A & B	1987 Outage (done)
Install internal anchors for transformers 507 & 608	1987 Outage (done)
Replace safety class batteries 1 & 3	1987 Outage (done)
Replace safety class batteries 2 & 4	1988 Outage
Replace water storage tank anchorage upgrade	1988 Outage (done)

By letter dated March 26, 1987, the staff indicated that those seismic upgrades listed would be reviewed during a 10 CFR 50.59 inspection. Also in that letter, the staff indicated that with these upgrades, the High Confidence of Low Probability of Failure (HCLPF) capacity of MYAPS is in the range of .27g, well above any hypothesized earthquake for MYAPS. In that letter it was also stated that "all the issues associated with the design basis for MYAPS and hence the design adequacy of the plant are considered resolved." The March 26, 1987 letter was the culmination of an NRC-sponsored Seismic Design Margins Program (SDMP), a joint NRR/RES program, the purpose of which was to evaluate the seismic ruggedness of MYAPS. SDMP found, that with the previously listed upgrades, MYAPS did in fact have HCLPF of .27g.

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Design packages for the above items were reviewed and found to be completed and technically acceptable. All of the items previously listed were physically inspected for proper installation according to construction drawings and/or instructions. A complete walkdown showed completed installation of all items except the replacement of safety class batteries 2 and 4, which are scheduled for replacement during the 1988 refueling outage. A check of records showed proper quality control during installation and use of correct materials. The Refueling Water Storage Tank upgrade package included detailed, sequenced instructions for welding various members and the pretorque of anchor bolts after the chair installations.

All of the above listed items are considered complete with the exception of the replacement of safety class batteries 2 and 4 which will be reviewed as part of a 10 CFR 50.59 inspection after their installation.

Sincerely,

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Patrick M. Sears, Project Manager
Project Directorate I-3
Division of Reactor Projects, I/II

cc: See next page

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