

NSIC



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
November 15, 1979

Docket No. 50-29

Mr. Robert H. Groce
Licensing Engineer
Yankee Atomic Electric Company
20 Turnpike Road
Westboro, Massachusetts 01581

Dear Mr. Groce:

RE: COMPLETION OF SEP TOPIC II-2.B - YANKEE ROWE

Your letter dated June 25, 1979, indicated that you have examined our draft evaluation of the subject topic dated May 29, 1979. You suggested editorial or corrective changes to the assessment to make it more accurately reflect your facility design. We have incorporated your suggested modifications in the enclosed assessment. With these modifications our review of SEP Topic II-2.B is complete and will be a basic input to the integrated assessment of your facility.

The subject assessment compares your facility design with the criteria currently used by the staff in licensing new facilities. This assessment may need to be re-examined if you modify your facility or if the criteria are changed before we complete our integrated assessment.

Sincerely,

for *Thomas V. Wambach*
Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Enclosure:
Completed SEP
Topic II-2.B

cc w/enclosure:
See next page

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Mr. Robert H. Groce

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cc w/enclosure:

Mr. Lawrence E. Minnick, President
Yankee Atomic Electric Company
20 Turnpike Road
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SYSTEMATIC EVALUATION PROGRAM
METEOROLOGY
YANKEE ROWE

Topic II-2.B Onsite Meteorological Measurements Program

The safety objective of this review is to assure that adequate meteorological data are available to quantify potential offsite exposures from routine and accident releases of radioactive products.

The operational meteorological measurements program for Yankee Rowe consists of a 200 foot free standing tower located approximately 600 feet north of the reactor containment. Listed below are the instrumentation and the heights of measurement on the tower.

<u>Measured Parameter</u>	<u>Elevation Above Ground (Feet)</u>
Wind direction and speed	33, 195
Dry bulb temperature	33
Vertical temperature gradient	33 to 195
Precipitation, solar radiation	Near Ground Level

The data are recorded on a floppy disk with analog strip charts provided as backup. All the recording equipment located inside the control room. The recorders will provide a record of the meteorological conditions following any accidental releases as well as for routine releases during plant operation.

Based on examination of the measurements system, which conforms to the position stated in Regulatory Guide 1.23 for system accuracies, the meteorological data collected at the onsite tower provide adequate meteorological data for assessments of meteorological conditions in the vicinity of the site for routine and accidental releases.

Therefore, we conclude that the onsite meteorological measurements program provides the licensee with adequate meteorological data to quantify offsite exposures from routine and accidental releases.

This completes the evaluation of this SEP topic. Since the plant design conforms to current licensing criteria, no additional SEP review is required.

References

Regulatory Guide 1.23, "Onsite Meteorological Programs", U.S. Nuclear Regulatory Commission, Washington, D. C.

Standard Review Plan, "Onsite Meteorological Measurements Programs", Section 2.3.3, U.S. Nuclear Regulatory Commission, Washington, D.C.

Yankee Atomic Electric Company, "Supplemental Information For The Purposes of Evaluation of 10 CFR Part 50, Appendix I", Yankee Rowe, Docket No. 50-29.