

YANKEE ATOMIC ELECTRIC COMPANY



1671 Worcester Road, Framingham, Massachusetts 01701

2.C.2.1
FYR 82-111

November 29, 1982

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

Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
Division of Licensing

References: (a) License No. DPR-3 (Docket No. 50-29)
(b) USNRC Letter to All Licensees, dated October 26, 1982
(c) USNRC Letter to YAEC, dated April 12, 1982

Subject: Request for Information on Steam Generator Tube Integrity

Dear Sir:

The Yankee Plant has a 22-year operating record clearly indicating no appreciable problem in the area of steam generator tube integrity. In response to the request in Reference (b), the following information is provided.

1. For the years requested (1979-1982) there were no steam generator-related difficulties sufficient to cause an unscheduled outage. The original steam generators remain operational with an excellent performance record, and we anticipate no major steam generator repairs during the next five years.
2. The history on steam generator tube plugging is documented in Reference (c). No steam generator inspections were performed in 1979. For 1980, 1981, and 1982, the total number of tubes plugged were 0, 3, and 9, respectively. To date, less than 2% of the total number of steam generator tubes have been plugged (125 out of 6,480 total tubes). No tubes have been sleeved.
3. Steam generator maintenance and tube inspection is normally performed during a refueling outage. The total costs associated with tube plugging occurring in 1981 and 1982 were approximately \$50,000 and \$125,000, respectively. Replacement power costs are associated with the scheduled shutdown and, therefore, not included.
4. The occupational exposures (in person-rems) for steam generator tube inspections and plugging for 1980, 1981, and 1982 are 3.8, 21, and 36.15, respectively.

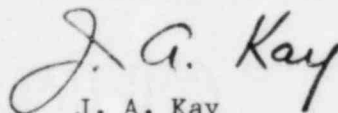
A001

5. The total number of workers receiving measurable radiation doses for steam generator inspection and tube plugging for 1980, 1981, and 1982 were 15, 50, and 78, respectively, representing 0.8%, 2.4%, and 6% of the total work force for those years. Sixty-four percent (64%) of those workers who performed the steam generator inspections and tube plugging represented temporary or contractor workers.

We trust this information satisfies your request.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



J. A. Kay
Senior Engineer - Licensing

JAK/dd