

030-11075

YANKEE ATOMIC ELECTRIC COMPANY

Telephone 617 872-8100



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ANDREW C. KADAK, PH.D.
VICE PRESIDENT

January 21, 1988

EL 014/88
FYR 88-16
20-14597-01

United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Attn: John E. Glenn, Ph.D., Chief
Nuclear Materials Safety Section
Division of Radiation Safety and Safeguards

Log	Feb. 12
Remitter	
Check No.	01-90685
Amount	\$120
Fee Category	3N 1K 2G
Type of Fee	AMO
Date Check Rec'd	2/12/88
Date Completed	2/17/88
By:	S. Kimberly

Dear Dr. Glenn:

The Yankee Atomic Environmental Laboratory performs isotopic analyses on various media. Quality assurance is an integral part of the Laboratory's programs.

We are requesting an increase in the maximum possession limits of our license in order to continue to meet our quality assurance objectives and comply with our license. The following illustrates our need for increased possession limits.

The National Bureau of Standards (NBS) recently announced the availability of Xenon-133 (Standard Reference Material-SRM No. 4415L-L) for March 1988 shipment. The NBS states that the approximate total activity of the SRM at the time of dispatch will be 15 mCi. Since our license limits our possession to one millicurie, we will not be able to order this Xenon standard.

An additional example is that of our limit for Americium-241. The purchase of a standard, combined with the current Laboratory inventory, has put us at 96 percent of the license limit.

We therefore request that License No. 20-14597-01 be amended as follows:

Item 8: Maximum Amount that Licensee May Possess at any One Time Under this License

A: Not to exceed 10 millicuries per radionuclide and 500 millicuries total except for Atomic Numbers 84-96 not to exceed 100 microcuries per radionuclide and 1000 microcuries total.

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Item 6: Byproduct, Source and/or Special Nuclear Material

K: Xenon-133

Item 7: Chemical and/or Physical Form

K: Any

Item 8: Maximum Amount that Licensee May Possess at any One Time
Under this License

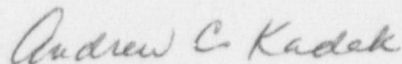
K: 50 millicuries total

Since the NBS requires that the Xenon-133 standard be ordered by the third day of the month in which the standard will be available (in this case March 3rd), we request that this amendment be approved by the end of February.

An amendment fee of \$120.00 is enclosed pursuant to 10 CFR Part 170.31 (3L).

We trust this letter provides sufficient information for your review. Should additional information be required, please contact me.

Sincerely,



Andrew C. Kadak
Vice President

ACK/nrg