



George S. Thomas
Vice President-Nuclear Production

Public Service of New Hampshire

August 29, 1985

New Hampshire Yankee Division

Mr. John E. Glenn, Ph.D., Chief
Nuclear Materials Safety Section B
Division of Radiation Safety and Safeguards
U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Subject: By-Product Material License 28-20818-01

Dear Dr. Glenn:

It is requested that the By-Product Material License 28-20818-01 be amended as follows:

- o Change Line #1 of Attachment for Items 5-a, b, and c to read -

LINE #	ELEMENT AND MASS NUMBER A	CHEMICAL AND/OR PHYSICAL FORM B	NAME OF MANUFACTURER AND MODEL NUMBER C	MAX. AMOUNT OF RADIOACTIVITY LICENSE MAY POS- SESS AT ONE TIME D
1	Any radioactive material having atomic number 1-83 inclusive except as specifically itemized.	Any	N/A	Not to exceed 100 millicuries each. Total not to exceed 5000 millicuries.

This change will allow addition of low activity sources to the present inventory and cover future additions of this type without the need to amend the BPML. The station is in need of the following sources:

Promethium-147 - approximately 100 millicuries

Thallium-204 - approximately 20 millicuries

Both radioactive sources will be encapsulated and sealed in cured epoxy resin. These radionuclides will be used as plaque sources for beta calibration and for source checking of radiation detection instrumentation.

8510240226 850930
REG1 LIC30
28-20818-01 PDR

"OFFICIAL RECORD COPY"

ML10

104330

P.O. Box 300 • Seabrook, NH 03874 • Telephone (603) 474-9521

SEP 03 1985

RECEIVED BY LFMB
Date 9/12
Log. Sept 7 I
By. 2
Orig. To
Action Compl. 9/18/85

FEE EXEMPT
70-1/(a)13

Rec'd LFMB
9/12/85

Mr. John E. Glenn, Ph.D.
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o Add to Attachment for Items 5-a, b, and c -

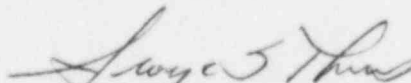
LINE #	ELEMENT AND MASS NUMBER A	CHEMICAL AND/OR PHYSICAL FORM B	NAME OF MANUFACTURER AND MODEL NUMBER C	MAX. AMOUNT OF RADIOACTIVITY LICENSE MAY POS- SESS AT ONE TIME D
14	Cesium-137	Sealed	J. L. Shepherd & Associates Model 89	Nominally 260 curies.

This device will be utilized to perform daily source checks for Health Physics instruments in accordance with ANSI-N-323. Shepherd Model 89 also includes the Model 78-2M calibrator and the Model 154 attenuator system. The Model 89 range calibration system's device approval sheet number is CA598D108U and was issued by the state of California on January 31, 1981.

This amendment submittal is being filed as being exempt from licensing fees in accordance with 10CFR170.11(a)(3).

Any questions regarding the contents of this amendment submittal should be directed to Mr. Jerry Kwasnik at (603) 474-9521, extension 2750.

Very truly yours,


George S. Thomas

GST/JMK/cjb

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

Fee Exempt

1. APPLICATION ATTACHED

Applicant/Licensee: Public Service Company of New Hampshire

Application Dated: 8/29/85

Control No.: 104330

License No.: 28-20818-01

2. FEE ATTACHED

Amount: 0

Check No.: 0

3. COMMENTS

2MS 03

03610
6/90 (170.11(A)3)

Signed Brenda Platchek

Date 9/5/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: EX3P 2G - 170.11(a)(3)

2. Correct Fee Paid. Application may be processed for:

Amendment

Renewal

License

Signed Jo Jackson

Date 9/18/85