

Docket
58-311

MAR 24 1972

DML:MB:RLJ
(29-15062-01)

Public Service Electric & Gas Company
Salem Nuclear Generating Station
ATTN: Mr. H. J. Keller
Superintendent
P. O. Box 168
Hancocks Bridge, New Jersey 08038

Gentlemen:

Enclosed is Byproduct Material License No. 29-15062-01 as requested by your application dated March 6, 1972. Please note, however, that this license does not authorize the possession and use of the Eberline Instrument Corporation Model 1000 gamma calibration unit containing 175 curies of cesium 137. Our records do not indicate that a safety evaluation has been performed for this device either by the Commission or an Agreement state. The type of information needed to perform such an evaluation is outlined in Enclosure 2 of this letter.

Sincerely,

Original signed by
Robert E. Brinkman

Robert E. Brinkman
Robert E. Brinkman
Materials Branch
Division of Materials Licensing

Enclosures:

1. License No. 29-15062-01
2. Guide - Information To Be Submitted Concerning Devices Utilizing Radioactive Materials

DISTRIBUTION:

St. Br. Dist.

DML

CO:I

Dockets 50-272 & 50-311

CRESS:cls OFFICE
MC#219-230

3/16 & 3/20 NAME
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REBrinkman

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U. S. ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

Page 1 of 3 Pages

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. Public Service Electric and Gas Company Salmon Nuclear Generating Station		3. License number 29-15062-01
2. P. O. Box 168 Hancocks Bridge, New Jersey 08038		4. Expiration date See Condition 14.
		5. Reference No.
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioac- tivity which licensee may possess at any one time
A. Any byproduct material with Atomic Number between 3 and 83, inclusive	A. Any	A. Not to exceed 0.1 millicuries per isotope
B. Hydrogen 3	B. Any	B. 0.1 millicurie
C. Cobalt 60	C. Sealed source	C. 30 microcuries
D. Cesium 137	D. Sealed sources	D. No source to exceed 30 millicuries
E. Cobalt 60	E. Sealed sources	E. No source to exceed 0.25 millicurie
F. Cesium 137	F. Sealed sources	F. No source to exceed 10 microcuries
9. Authorized use		
A. through D. To be used for calibration and reference purposes.		
E. and F. Installed in plant radiation monitoring system as instrument operational check.		

CONDITIONS

10. Byproduct material shall be used only at the licensee's reactor facility, Artificial Island, Lower Alloways Creek Township, Salem County, New Jersey.

CONDITIONS

(continued)

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation."

12. Byproduct material shall be used by, or under the supervision of, David J. Godlewski, Gerald A. Hussale, or Lynn K. Miller.

13.A.(1) Each sealed source containing byproduct material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, the sealed source shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

(3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.

Supplementary Sheet

License Number 22-15062-01

13. continued

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C. 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall also be sent to the Director, Region I, Division of Compliance, USARF, 970 Broad Street, Newark, New Jersey 07102.

D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

14. This license shall expire March 31, 1973, or upon conversion of Construction Permit to CFRN-52 and CFRN-53 to operating licenses, whichever is earlier.

15. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in the licensee's application dated March 6, 1972.

For the U. S. Atomic Energy Commission

Original Signed by

Robert E. Brinkman

by Materials Branch

Division of Materials Licensing
Washington, D. C. 20545

Date MAR 24 1972