



PSE&G

Public Service
Electric and Gas
Company

80 Park Plaza, Newark, NJ 07101 / 201 430-8217 MAILING ADDRESS / P.O. Box 570, Newark, NJ 07101

Robert L. Mittl General Manager
Nuclear Assurance and Regulation

July 16, 1985

RECEIVED

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U.S. Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

U.S. N.R.C.
LIC. FEE MGMT. BRANCH

Attention: Dr. John E. Glenn, Ph.D., Chief
Region I
Division of Engineering and Technical Programs

Gentlemen:

HOPE CREEK GENERATING STATION
DOCKET NO. 030-20686.
CONTROL NO. 01990
BY-PRODUCT MATERIAL LICENSE;
AMENDMENT 4 SUBMITTAL

Public Service Electric and Gas Company (PSE&G) hereby submits the following modifications to By-Product Material License No. 29-20659-01 issued for the Hope Creek Generating Station (HCGS). These modifications are considered Amendment 4 input, and, as such, PSE&G respectfully requests the NRC to issue, subsequent to review and approval of the information presented below, an amended By-Product Material License.

Letter from R. L. Mittl (PSE&G) to Dr. John E. Glenn, Ph.D., (NRC) dated December 13, 1983, transmitted for NRC review and subsequent approval, the Hope Creek Generating Station By-Product Material License application. The power range detectors identified as item A.1-E.1 in our license application are General Electric (GE) Model NA-200 assemblies. Each assembly contains four detectors with each detector containing 0.83mg U234, 0.22mg U235 and 0.02mg U238. Hope Creek currently possesses 43 of these assemblies (172 detectors).

"OFFICIAL RECORD COPY"

Applicant	Aug-12-85
Check No.	
Amount/ Fee Category	
Type of Fee	
Received By	Jacques

The Energy People

8512030683 850620
REG1 LIC30
29-20659-01 PDR

ML10

04154

JUL 23 1985

FEE EXEMPT

170.11(a)(3)

95-4912 (4M) 7 33

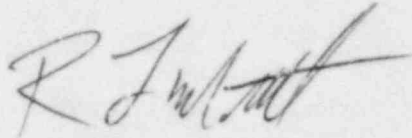
7/16/85

PSE&G intends to purchase GE Model NA-300 Power Range Monitors to replace the NA-200 monitor on an as needed basis. The NA-300 monitors also contain four detectors each, however, each detector contains 3.3 mg U234, 0.88mg U235, and 0.08 mg U238 (approximately four times the quantities in the Model NA-200 monitors). In order to support Hope Creek operations, it is necessary that the Model NA-300 monitors be received and stored at Hope Creek. Considering the above, PSE&G requires modification to item 8.A of the Hope Creek By-Product Material License. The modification is identified below and reads as follows:

- 3. Maximum amount that licensee may possess at any one time under this license.
- A. 2.3 grams total. Not to exceed 4.3 milligrams per detector.

Should there be any questions with respect to the information provided in this correspondence, do not hesitate to contact us.

Very truly yours,



C W. Butler
USNRC Chief - Division of Licensing
D. H. Wagner
USNRC Licensing Project Manager
A. R. Blough
USNRC Senior Resident Inspector

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

Fee Exempt

1. APPLICATION ATTACHED

Applicant/Licensee: Public Service Electric and Gas Co.

Application Dated: 7/16/85

Control No.: 04154

License No.: 29-20659-01

2. FEE ATTACHED

Amount: 0

Check No.: 0

3. COMMENTS

Signed Brenda Platchek

Date 7/29/85

~~03610~~ 03610

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: EX 13 2G 3P

5/89

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

Amendment ✓

Renewal _____

License _____

Signed Patricia Jacques

Date 8/13/85