

RETURN TO 396-SS PDR

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2NRC-6-014

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February 10, 1986

United States Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Mr. John G. Davies, Director
Nuclear Material Safety and Safeguards

SUBJECT: Beaver Valley Power Station - Unit No. 2
Docket No. 50-412
Application for Special Nuclear Material License

REFERENCES: (1) 2NRC-4-152, dated September 28, 1984
(2) 2NRC-5-130, dated September 13, 1985

Gentlemen:

Please find enclosed one (1) original plus six (6) copies of Revision 2 to the Beaver Valley Power Station - Unit No. 2 "Application for Special Nuclear Material License" submitted under the above references.

This revision (attached) updates Section 3.3, "Other Material Requiring NRC License," to include additional monitor check sources and monitor bias sources. Please insert the Revision 2 pages and discard the Revision 1 pages.

Communications pursuant to this license application should be sent to:

Mr. J. J. Carey
Vice President
Nuclear Group
DUQUESNE LIGHT COMPANY
P.O. Box 4
Shippingport, PA 15077

If you have any questions, please contact Mr. Thomas J. Zoglmann at (412) 643-5200, extension 232.

DUQUESNE LIGHT COMPANY

By J. J. Carey
J. J. Carey
Vice President

TJZ/wjs
Attachment

FEE EXEMPT

cc: Mr. N. Ketzlach, NRC Uranium Fuel Licensing Branch (w/a)
Mr. P. Tam, Project Manager (w/a)
Mr. W. Troskoski, Sr. Resident Inspector (w/a)
Mr. G. Walton, NRC Resident Inspector (w/a)

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- ° Container in which sealed source is to be stored and model number

The container is a shipping cask approximately 60" x 40" x 195" which weighs approximately 9 tons. The model number is Model 2501, USA Dot SP5916 Type B or Model 2511 Type A.

- 3.3 The following information is for the various detector calibration and check sources (sealed) and monitors used in the Digital Radiation Monitoring System. Upon receipt, this material will be stored in Storeroom No. 22 (non-exempt sources) and Warehouse "D" (exempt sources) in accordance with ANSI N45.2.2. Security and accountability practices consistent with NRC requirements have been established and are maintained in accordance with procedures specifically developed for this purpose. The General Manager, Nuclear Services Unit has the overall responsibility for implementation of the security and accountability practices and radiological control procedures. Radiological control procedures have been established to prevent access to the check sources by unauthorized personnel. Additionally, only qualified radiological control personnel are authorized to utilize the check sources in a manner consistent with established practices to protect personnel from radiation exposure. This material is being supplied by GA Technologies, Inc., and is shipped in DOT-approved containers.

- ° Various area and process monitor detector calibration and check sources that are individually in exempt quantity (each less than 10 microcurie Cs 137 or Cl 36). In addition to the above:

One (1) area monitor (Type 4501) with 200uCi Cs 137 check source	2
Two (2) area monitors (Type 4401) each with 0.11 mg U234 and 0.58 mg U 238 check sources	
One (1) Wide Range Gas Monitor (Monitor Type 5001 WRGM Detection) with two (2) 100 microcurie Cs 137 check sources	2
Four (4) Liquid Monitors (Monitor Type 2301) each with 100 microcurie Cs 137 check sources	

For calibrating the area monitor detectors:

Two (2) each 10 millicurie Cs 137 sources
Two (2) each 100 millicurie Cs 137 sources

For calibrating the process monitor detectors, the calibration kits will contain:

Two (2) each 0.4 microcurie Ba 133 sources	2
Two (2) each 110 microcurie and three (3) 10 microcurie Cs 137 sources	
One (1) adjacent-to-line monitor (type 3301) with check source containing 100 microcurie Cs 137	
One (1) Steam Line Monitor with three check sources (< 10uCi, 50uCi, 100uCi Cs 137)	

- 3.4 Each sealed source containing radioactive material either in excess of 100 microcuries of beta and/or gamma emitting material or 5 microcuries of alpha emitting material shall be free of ≥ 0.005 microcuries of removable contamination. This limit, based on 10CFR70.39(c) limits for plutonium, will ensure that leakage from byproduct, source, and special nuclear material sources will not exceed allowable intake values.

The detectors, source rods, and calibration and check sources will be retained in their shipping crates (the crates will be resealed if required to be opened for receipt inspection). Each of the detectors, source rods, and calibration and check sources shall be surveyed for contamination and/or tested for leakage upon receipt and prior to use or transfer to another user unless they have been leak-tested within six months prior to the date of use or transfer. Records of results of the contamination surveys will be maintained for inspection.

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CONTROL NO. 26436
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FCUF ☒ PDR ☒
FCAF ☐ LPDR ☐
WM ☐ I&E REF. ☒
WMUR ☐ SAFEGUARDS ☒
FCTC ☐ OTHER ☐

DESCRIPTION:

enclosed is
Copies of Revision
2 to the Application
for SVM license

02/13/86 INITIAL CEC