

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

JAN 03 1991

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket No. 30-17055

BELLEFONTE NUCLEAR PLANT (BLN) - BYPRODUCT MATERIAL LICENSE NO. 41-08165-10 -
REQUEST FOR AN AMENDMENT

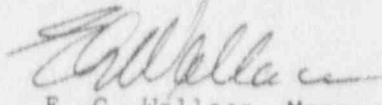
TVA hereby requests an amendment to its Byproduct Material License No. 41-08165-10
for BLN. The purpose of this amendment is as follows:

- (a) To decrease the amount of material that may be possessed under this license, we request that item 5.C.(2), "Maximum Amount Possessed At Any One Time," be changed to read, "15 grams." This change will prevent storage of SNM from exceeding the requirements of 10 CFR 73.67(f).
- (b) To clarify item 10.D, page 5, the first sentence should be changed to read, ". . . such devices as issued by the RCS." The RCS is the onsite point of contact between the RPO and site personnel.

Enclosed is a revised version of page 1 and 5 as submitted in our most recent license application with the proposed changes indicated by revision bars in the margins. If you have any questions or if we can be of any assistance, please telephone P. J. Hanmons at (615) 751-2736.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


E. G. Wallace, Manager
Nuclear Licensing and
Regulatory Affairs

Enclosure
cc: See page 2

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NMSS LIC30
41-08165-10 PDR

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U.S. Nuclear Regulatory Commission

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Enclosure

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ENCLOSURE

Tennessee Valley Authority
Application for Amendment
Radioactive Material License No. 41-08165-10

Keyed to NRC Form 313

Item 5, Radioactive Material

a. <u>Element and Mass Number</u>	b. <u>Chemical and/or Physical Form</u>	c. <u>Maximum Amount Possessed At Any One Time</u>
(1) Any by-product material with Atomic Nos. 1 through 83, inclusive	(1) Any	(1) Not to Exceed 10 Millicuries/Nuclide and 50 Millicuries total
(2) Uranium-235	(2) Sealed Sources	(2) ¹⁵ 18 grams
(3) Americium-241	(3) Sealed Sources	(3) 2 curies
(4) Depleted Uranium	(4) Metal Casks	(4) 500 Kg
(5) Cesium - 137	(5) Sealed Source, Sorrento Electronics Model RT-10 Calibrator for GA GM Tube Area Radiation Detectors	(5) 10 Millicuries
(6) Cesium - 137	(6) Sealed Source, Sorrento Electronics Model RT-11 Calibrator for GA Ion Chamber Radiation Detectors	(5) 110 Millicuries

Item 6, Purpose(s) For Which Licensed Materials Will Be Used

Radioactive materials identified in Items 5.a.(1)-(6) are for possession and storage only.

Item 10 (Continued)

D. Personnel Monitoring Devices

ISSUED *RCS*

Personnel who must handle licensed material or enter storage areas posted as requiring personnel monitoring devices shall be equipped with such devices as ~~supplied~~ by the RPO. These devices will consist of a thermoluminescent dosimeter (TLD) supplied and changed by the radiological control staff on at least a quarterly basis. Personnel exposure records will be provided to the RPO at least quarterly for those quarters in which dosimeters were used.

E. Bioassay Program

Internal exposure from the stored radioactive material is unlikely, therefore no routine bioassay program has been established. Should the RPO determine that bioassays are needed, whole body counters are available at TVA's operating nuclear power plants and analysis of bioassay samples can be performed at TVA's WARL.

F. Storage of Licensed Material

All licensed material will be stored in such a manner as to provide for the security of the material. The security of the material will be periodically verified by the RCS and the RPO. Any unauthorized breach of the security shall be immediately brought to the attention of the RPO who shall resolve the matter. Any loss, damage, or theft involving licensed material shall be reported as required by 10 CFR 20.402.

G. Surveys

Periodic radiation surveys of the storage facilities identified in Item 9 will be performed and the results evaluated by the RPO for area posting and personnel monitoring requirements.

All packages of radioactive materials received for control under this license shall be monitored externally for radiation levels and radioactive contamination in accordance with 10 CFR 20.205.