

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

**AUG 16 1989**

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

Gentlemen:

In the Matter of ) Docket Nos. 50-438  
Tennessee Valley Authority ) 50-439

BELLEFONTE NUCLEAR PLANT - BYPRODUCT MATERIAL LICENSE NO. 41-08165-10 -  
REQUEST FOR AN AMENDMENT 030-17055

TVA hereby requests an amendment to its Byproduct Material License No. 41-08165-10 for the Bellefonte Nuclear Plant (BLN). The purpose of this amendment is to increase the amount of material that may be possessed under this license.

During the active construction phase of BLN, the area radiation monitors and calibration devices were purchased and most were delivered to the site. Some of the calibration sources were held by the vendor and are scheduled for delivery this year. Two of the sources contain radioactivity in excess of that allowed by the current license. The enclosed revision to sections 6, 7, 8, and 9 of the license conditions (keyed to items 5 and 6 of NRC Form 313) include these two calibration devices in the list of radioactive materials permitted by this license (entries (5) and (6)).

In accordance with 10 CFR Part 170.11(a)3, an amendment fee is not required. If you have any questions regarding this request, please telephone P. J. Hammons at (615) 751-2736.

Very Truly Yours,

TENNESSEE VALLEY AUTHORITY

*W. J. Ray Jr.*  
Manager, Nuclear Licensing  
and Regulatory Affairs

Enclosure  
cc: See page 2

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U.S. Nuclear Regulatory Commission

**AUG 16 1989**

cc (Enclosure):

Ms. S. C. Black, Assistant Director  
for Projects  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852

Mr. B. A. Wilson, Assistant Director  
for Inspection Programs  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

U.S. Nuclear Regulatory Commission (2)  
Material Radiation Protection Section  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Watts Bar Resident Inspector  
Watts Bar Nuclear Plant  
P.O. Box 700  
Spring City, Tennessee 37381

ENCLOSURE

Tennessee Valley Authority  
Application for Amendment  
Radioactive Material Licence 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) 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.

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CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

**AUG 16 1989**

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ATTN: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In the Matter of ) Rocket Nos. 50-438  
Tennessee Valley Authority ) 50-439

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TENNESSEE VALLEY AUTHORITY

*W. J. Ray Jr.*  
Manager, Nuclear Licensing  
and Regulatory Affairs

Enclosure  
cc: See page 2

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U.S. Nuclear Regulatory Commission

**AUG 16 1989**

cc (Enclosure):

Ms. S. C. Black, Assistant Director  
for Projects  
TVA Projects Division  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852

Mr. B. A. Wilson, Assistant Director  
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101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

U.S. Nuclear Regulatory Commission (2) ✓  
Material Radiation Protection Section  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Watts Bar Resident Inspector  
Watts Bar Nuclear Plant  
P.O. Box 700  
Spring City, Tennessee 37381

ENCLOSURE

Tennessee Valley Authority  
Application for Amendment  
Radioactive Material License No. 41-02165-10

Keyed to NRC Form 313

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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>
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