

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
1110 Chestnut Street Tower II  
January 7, 1982

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U.S. NUCLEAR REG.  
COMMISSION  
MAIL SECTION

U.S. Nuclear Regulatory Commission  
Office of Nuclear Material Safeguards  
Division of Fuels Cycle and Material Safety  
Washington, DC 20555

Attention: Mr. Paul Guinn, Material Branch, Division of Material and Fuels  
Cycle Licensing

Gentlemen:

ATMOSPHERIC FLUIDIZED BED COMBUSTION (AFBC) PILOT PLANT BYPRODUCT MATERIAL  
LICENSE NO. 41-08165-11 - ADDITIONAL INFORMATION FOR AMENDMENT NO. 2

This is in response to your letter (Mail Control No. 09414) to  
Dr. M. D. High on November 24, 1981. Enclosed is the additional  
information requested in support of amendment No. 2 of license No. 41-08165-11.  
The specific devices that the relocation may be performed on are the  
13 Kay Ray flowmeters that contain a 100 mCi Cesium 137 source each.  
These devices are located on the exit pipe at the base of the coal silos  
(see enclosed drawings). The relocation will be performed under the  
supervision of TVA's Radiological Hygiene Branch, the radiation protection  
officer, and the individuals listed in our October 29 letter to you.

In addition to the procedural steps outlined in our October 29 letter, the  
following describes the radiation surveys after the devices have been  
reinstalled. Change step 5 to read:

Survey the source holder before the shutter is opened, and compare the  
readings to those taken before the source was unbolted from its mount.

6. Open the shutter and survey the source holder, pipe, and detector area.  
Record readings.
7. Open and close the shutter several times to ensure proper operation.
8. Remove the "hold" tag, and return the source holder to service.

If you have any questions or require any further information, feel free to  
contact Gary MacDonald or me, 1110 Chestnut Street Tower II, Chattanooga,  
Tennessee 37401, FTS 858-5675.

Very truly yours,

*John B. Brellenthin*

John B. Brellenthin, Chief  
Environmental Support Staff

Enclosures

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REG2 LIC30  
41-08165-11 PDR

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## **SEE APERTURE CARDS**

NUMBER OF PAGES: 1

ACCESSION NUMBER(S):

8606180456

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