

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
1630 Chestnut Street Tower II

May 10, 1985

*Region II*  
*Rec'd NMS*  
*5/15/85*

Mr. Vandy L. Miller, Chief  
Material Licensing Branch  
Division of Fuel Cycle and Material Safety  
U.S. Nuclear Regulatory Commission  
396SS  
Washington, D.C. 20555

Dear Mr. Miller:

In the Matter of ) Byproduct Material  
Tennessee Valley Authority ) License No. 41-08165-08

Tennessee Valley Authority (TVA) hereby requests an amendment to its Byproduct Material License Number 41-08165-08.

The purpose of the enclosed amendment application is to update our original application and request permission for General Electric Company to make repairs on other utilities' equipment.

While the license does not specifically limit the radioactive material to material owned by TVA, it is inferred. We would like an amendment allowing us to receive, ship, possess, and transfer radioactive materials from other utilities or companies.

The reason for this request is that some of the equipment at our shop in Muscle Shoals, Alabama, is unique. The equipment is owned by a contractor, is very large, and requires special foundations, etc. It is more economical to ship large radioactive components to our facility for modification than to relocate this special equipment.

We are presently working on large turbines from Browns Ferry Nuclear Plant at our shop in Muscle Shoals. While this project is not a continuing effort for the life of the plant, it may not be considered a temporary job site as understood when the license was issued. We have talked with your staff on different occasions about the work and were advised that the work could be done under the license and that an explanation would be desirable.

The turbine rebuild is expected to continue for about four years. All the activity is done and will continue to be done in compliance with the license and applicable regulations. We want to continue with the option of other temporary job sites as specified in the present license as well.

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41-08165-08 PDR

FEE EXEMPT

Mr. Vandy L. Miller

May 10, 1985

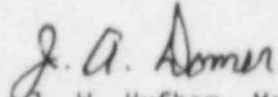
All the license and regulatory conditions would be met during shipping while at our facility. All health physics related activities will be according to TVA procedures, managed and supervised by the TVA health physics staff as delineated in the present license.

The health physics aspects of work governed by this license is the responsibility of the Radiation Protection Officer, Ronald B. Maxwell. All work conducted under this license will be directed by him or his staff. Because of reorganization and personnel transfers, the professional health physicists listed in the enclosure to the by-product material license application dated November 17, 1978, is no longer appropriate. The qualifications of the current health physicists and health physics technicians are unchanged.

Specific items for which the amendment is requested are listed in the enclosure. Item numbers refer to numbered items on the license application dated November 17, 1978. In accordance with 10 CFR 170.11(a)(5), an amendment fee is not required. If you have any questions concerning this renewal application or if we can be of any assistance, please get in touch with P. J. Hammons of my staff at FTS 858-2736 in Chattanooga.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
J. W. Hufham, Manager  
Licensing and Regulations

Enclosure

Specific Items for which Amendment is Requested

Item numbers refer to license application dated November 17, 1978,  
By-Product Material License 41-08165-08.

Item

- 1(a) Tennessee Valley Authority  
Office of Nuclear Power  
1750 Chestnut Street Tower II  
Chattanooga, Tennessee 37401
- 1(b) Power Service Center  
Reservation Road  
Tennessee Valley Authority Reservation  
Muscle Shoals, Alabama 35660
- (Also undesignated temporary field locations.)
- 5 Radiation Protection Officer:

BIOGRAPHICAL DATA

Name: Ronald B. Maxwell

Birthplace: Woodbury, Tennessee

Date of Birth: September 25, 1943

Education:

B.S. in Physics, Tennessee Technological University, 1965.  
Radiological Monitor Instructor, University of North Carolina  
Extension Division, 1970. M.S. in Nuclear Physics, North  
Carolina State University, 1971.

Professional Societies: Health Physics Society  
National Management Association  
American Nuclear Society

Experience

June 1982 to present - Chief of Health Physics Services,  
Radiological Health Staff, Division of Nuclear Services,  
Tennessee Valley Authority, Muscle Shoals, Alabama.

June 1979 to June 1982 - Chief of the Radiological Hygiene Branch, Division of Occupational Health and Safety, Tennessee Valley Authority, Muscle Shoals, Alabama.

September 1978 to June 1979 - Acting Assistant Branch Chief, Radiological Hygiene Branch, Tennessee Valley Authority, Muscle Shoals, Alabama.

November 1975 to September 1978 - Supervisor of the Environmental Radiological Assessment Section, Radiological Hygiene Branch, Tennessee Valley Authority, Muscle Shoals, Alabama.

November 1972 to November 1975 - Health Physicist, Environmental Planning and Assessment Staff, Division of Environmental Planning, Tennessee Valley Authority, Chattanooga, Tennessee.

August 1971 to November 1972 - Health Physicist, Industrial and Radiological Hygiene Branch, Tennessee Valley Authority, Muscle Shoals, Alabama.

- 10 The radiation detection instruments listed are no longer state of the art and have been replaced by more modern instruments with similar or improved characteristics.
- 11 All health physics instruments used under this license will be checked before use and calibrated quarterly.
- 12 Film badges have been replaced by thermoluminescent dosimeters. Because of the low dose rates encountered on this work, self-reading dosimeters are no longer appropriate and are not issued.
- 15 Radiological waste will be shipped to a nuclear power plant or to a commercial waste disposal site for disposal. All applicable State and Federal regulations will be followed.