



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

April 25, 2005

10 CFR 30.38

U.S. Nuclear Regulatory Commission  
Division of Nuclear Materials Safety  
Region I  
475 Allendale Road  
King of Prussia, Pennsylvania 19406

Gentlemen:

In the Matter of ) Docket No. 30-33440  
Tennessee Valley Authority )

BY-PRODUCT MATERIAL LICENSE NO. 01-25284-01 - LICENSE  
AMENDMENT REQUEST FOR TVA'S MIXED WASTE STORAGE FACILITY

TVA hereby requests an amendment to subject by-product material license. The purpose of this amendment is to replace the Supervisor/Alternate Radiation Protection Officer (RPO) with a new individual.

Floyd J. Spivey, Jr., has retired and TVA is assigning James B. Colagross to fill his position under the subject license. Assigning Mr. Colagross to this position will help ensure the continuity of activities performed under the license.

Enclosure 1 is a copy of the proposed amendment that is keyed to NRC Form 313. Revision bars have been added and the requested changes to the license have been bolded to highlight the proposed revisions. Changes are made in License Application Item 7, "Individual(s) Responsible for Radiation Safety Program and Their Training Experience," (License Conditions 11). Enclosure 2 is the resume for Mr. Colagross.11).

136972

NUCLEAR MATERIALS-002

APR 29 2005

REC'D IN LAT \_\_\_\_\_

U. S. Nuclear Regulatory  
Page 2  
April 25, 2005

In accordance with the requirements of 10 CFR 170.11(a)(4), an amendment fee is not required.

If you have any questions regarding this amendment request, please contact Terry Knuettel at (423) 751-6673.

Sincerely,

A handwritten signature in black ink, appearing to read "Fredrick C. Mashburn". The signature is fluid and cursive, with a large initial "F" and "M".

Fredrick C. Mashburn  
Senior Program Manager  
Nuclear Licensing

Enclosures

cc (Enclosures):

Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

**ENCLOSURE**

**TVA's Proposed License Amendment  
[Keyed to NRC Form 313]**

Estimated burden per response to comply with this mandatory collection request: 7 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

IF YOU ARE LOCATED IN:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

03033440

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER 01-25284-01
- C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Tennessee Valley Authority  
VP, Energy Research & Technology Applications  
P.O. Box 1010  
Muscle Shoals, Alabama 35662-1010

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

TVA's Mixed Waste Facility  
Reservation Road on TVA Reservation  
Muscle Shoals, Alabama 35660-1010

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Terry Knuettel  
TELEPHONE NUMBER  
(423) 751-6673

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY AMOUNT ENCLOSED \$ N/A

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Fred Mashburn, Mgr., Nuclear Licensing

SIGNATURE

Terry Knuettel

DATE

4/25/05

FOR NRC USE ONLY

TYPE OF FEE FEE LOG FEE CATEGORY AMOUNT RECEIVED CHECK NUMBER COMMENTS

APPROVED BY

DATE

01-25284-01

License Conditions 11  
License Application Item 7

Individual(s) Responsible for the Radiation Safety Program  
and their Training and Experience

11. A. Licensed materials shall be received in sealed storage containers, possessed, stored and/or transferred by, or under the supervision of, B. Paul Bernauer, Radiation Protection Officer (RPO), or **James B. Colagross**, Alternate RPO, for the Mixed Waste Storage Facility located on the TVA Reservation at Muscle Shoals, AL.
- B. License materials contained as described in the attachments to the letter dated November 19, 1999 may be handled, sorted and repackaged as described in the letter and its attachments. No other waste processing (e.g., chemical, compaction, or incineration) is authorized by this license.

**ENCLOSURE 2**

**Resume**

**for**

**James B. Colagross**

## **RESUME**

**JAMES B. COLAGROSS**

### WORK EXPERIENCE

June 1999 - Present	TENNESSEE VALLEY AUTHORITY Health Physics Technician, Muscle Shoals, AL
October 1996 - May 1999	Project Manager, Cleaning and Support Services
August 1987 - October 1996	Health Physics Senior Technician, Browns Ferry Nuclear Plant
1983 - 1987	BARTLETT NUCLEAR INC. Health Physics Senior Technician
1979 - 1983	NUMANCO INC. Health Physics Senior Technician
1978 - 1979	TENNESSEE VALLEY AUTHORITY Health Physics Junior Technician

### EDUCATION

Attended University of North Alabama, 1972-1973  
Radioactive Material Shipping Class, 2002  
Hazardous Waste Training Program (HAZWOPER)- 29CFR 1910.120,  
2002  
CPR/ First Aid Training, 1996  
TVAU Facilitator Training, 1995  
Philip Plato Panasonic TLD class, 1992

### QUALIFICATIONS

Over 20 years health physics experience involving every aspect  
of commercial nuclear power health physics.

Provided On-The-Job Training (OJT) to health physics  
technicians in training status.

Professional Accomplishments/Work Experience

Health Physics Technician for TVA non-nuclear program. Responsible for seven NRC licenses for TVA Fossil & Hydro Group. Duties include: leak testing and shutter testing sealed sources, job coverage during contaminated motor repair, shipping and receiving radioactive material.

Health Physics lead technician during chemical decontamination, recirculation system piping cutout and replacement, main condenser tube replacement, control rod blade pin and roller replacement, and numerous other recovery activities on a Boiling Water Reactor (BWR) nuclear plant.

Health Physics lead technician during steam generator repairs, reactor disassembly, seal table repairs, and numerous other outage activities on a Pressurized Water Reactor (PWR) nuclear plant.



This is to acknowledge the receipt of your letter/application dated

4/25/2005 and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 01-25284-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

---

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 136972.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 :  
 License Fee Management Branch, ARM : Program Code: 03810  
 and : Status Code: 0  
 Regional Licensing Sections : Fee Category: 3P 1D  
 : Exp. Date: 20100430  
 : Fee Comments: REA REL/STORAGE ONLY 2/95  
 : Decom Fin Assur Reqd: Y  
 : ::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED  
 Applicant/Licensee: TENNESSEE VALLEY AUTHORITY  
 Received Date: 20050429  
 Docket No: 3033440  
 Control No.: 136972  
 License No.: 01-25284-01  
 Action Type: Amendment

2. FEE ATTACHED  
 Amount:           /            
 Check No.:           /          

3. COMMENTS  
 Signed M. A. Balkin  
 Date 5/10/05

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_/\_/)

1. Fee Category and Amount: \_\_\_\_\_  
 2. Correct Fee Paid. Application may be processed for:  
 Amendment \_\_\_\_\_  
 Renewal \_\_\_\_\_  
 License \_\_\_\_\_  
 3. OTHER \_\_\_\_\_  
 \_\_\_\_\_

Signed \_\_\_\_\_  
 Date \_\_\_\_\_