



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

Br. 2

November 26, 2013

10 CFR 30.38

ATTN: Licensing Assistance Team
U.S. Nuclear Regulatory Commission, Region I
Division of Nuclear Materials Safety
2100 Renaissance Blvd., Suite 100
King of Prussia, Pennsylvania 19406-2713

Tennessee Valley Authority
Material License No. 41-08165-18
Docket No. 030-35695

Subject: **By-Product Materials License Amendment Application for Tennessee Valley Authority's Central Laboratories Facility, NRC Materials License Number 41-08165-18**

REC'D 11 27 13 AM 10 19

The purpose of this letter is to request that Alyce B. Brooks be deleted as an authorized user and Sammy R. Walker, James B. Colagross, and John E. Young be added as authorized users in License Condition 11 of NRC Materials License No. 41-08165-18. Ms. Brooks is leaving the Tennessee Valley Authority (TVA) on or about December 17, 2013. TVA requests that the NRC perform an expedited review of this amendment application so that the amendment is issued with the new authorized users named in Condition 11 before Ms. Brooks departs TVA.

Enclosure 1 is the original, signed NRC Form 313 requesting amendment of the subject license. Enclosure 2 includes the supporting information for Item 7 of NRC Form 313, consistent with NUREG 1556, Volume 7, "Consolidated Guidance About Materials Licenses," "Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope."

Should you have any questions regarding this license renewal request, please contact Lee Miller at (423) 751-3197.

Respectfully,

J. W. Shea
Vice President, Nuclear Licensing

Enclosures:

582605

U.S. Nuclear Regulatory Commission

Page 2

November 26, 2013

1. NRC Form 313, "Application for Materials License," Materials License Number 41-08165-18
2. Detailed Information Supporting NRC Form 313, Items 7

cc (w/Enclosures):

NRC Document Control Desk

Enclosure 1

NRC Form 313
"Application for Materials License"

Materials License No. 41-08165-18

NRC FORM 313

(05-2012)

10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: (05/31/2015)

Estimated burden per response to comply with this mandatory collection request: 4.3 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 Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@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.

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:

OFFICE OF FEDERAL & STATE MATERIALS AND
ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA,
KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, 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:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

IF YOU ARE LOCATED IN:

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

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

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

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 41-08165-18
- ☐ C. RENEWAL OF LICENSE NUMBER _____

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

Tennessee Valley Authority
Vice President, Nuclear Licensing
LP 3D-C
1101 Market Street, Chattanooga, Tennessee 37402-2801

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

TVA Central Laboratories Services Bldg., Chickamauga Power
Services Center, N. Side Chickamauga Reservation,
Chattanooga, TN and TVA Norris Engineering Laboratory
Building, 129 Pine Road, Norris, Tennessee

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Lee R. Miller

BUSINESS TELEPHONE NUMBER
(423) 751-3197

BUSINESS CELLULAR TELEPHONE NUMBER
(423) 486-3118

BUSINESS EMAIL ADDRESS
lrmler@tva.gov

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 \$

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

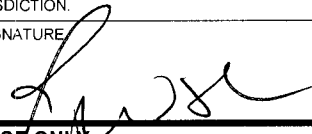
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND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

J. W. Shea, Vice President, Nuclear Licensing

SIGNATURE



DATE

11/26/2013

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

Enclosure 2

Tennessee Valley Authority
Application for Materials License Amendment of Nuclear By-Product
Material License No. 41-08165-18

Detailed Information Supporting
NRC Form 313, Item 7

Authorized Users

Sammy R. Walker
Senior Manager
Calibration and Support Services

Experience:

Managed Tennessee Valley Authority's (TVA) centralized calibration laboratory - Responsible for the quality, cost, and timeliness of measuring and test equipment calibrations complying with ANSI N45.2/10 CFR 50 Appendix B, ISO 17025, and ANSI/NCLZ Z540 supporting >14,000 calibrations at 3 nuclear sites.

Mr. Walker managed quality assurance for TVA's centralized laboratory, providing instrument calibration; nuclear qualification testing of commercial grade items; special engineering projects; environmental chemistry; analytical chemistry; oil analysis; coal analysis; and metallurgical analysis. He was responsible for design, development, assessment, and maintenance of an audited quality program complying with ISO 17025, ANSI N45.2 / 10 CFR 50 Appendix B, various 40 CFR Parts, and ANSI/NCLZ Z540. He served as primary management contact between laboratory, regulators, auditors and customer representatives to ensure quality-related issues were addressed in an appropriate and timely manner.

Since April 2010, Mr. Walker has supervised and participated in licensed activities at the Central Laboratory, including package receipts, contaminated instrument and equipment handling and repair, and packaging for return to the customer. As the on-site supervisor, he has worked closely with RADCON personnel.

Mr. Walker performed precision instrumentation calibration and repair for seventeen years. Eleven of those years, he was assigned to a primary electrical standards laboratory responsible for maintaining and transferring the known value and accuracy of the primary units of voltage, resistance, and capacitance, traceable to the National Institute of Standards and Technology (NIST), to other secondary and working standards.

Formal Training and Education

2012	TVA Radiation Safety Training, Facility Radiation Safety Officer Training, and Prenatal Indoctrination Training
2010	TVA Radiation Safety Training
[REDACTED]	Bryan College, Dayton, TN, Bachelor of Science degree in Business Administration / Organizational Management
[REDACTED]	Community College of the U.S. Air Force, accredited 46 semester hours toward an Associate of Science degree in Avionics Electronics for completion of over 2000 hours of training as a Precision Measuring Equipment Specialist, 1980. Honor graduate.

PERSONAL INFORMATION WAS REMOVED
BY NRC. NO COPY OF THIS INFORMATION
WAS RETAINED BY THE NRC.

**James B. Colagross
Radiation Safety Officer
TVA Central Laboratories
Materials License No. 41-08165-18**

Training and Experience:

Mr. Colagross is currently the Radiation Safety Supervisor (Non-Nuclear), in TVA's Radiation Safety (Non-Nuclear) group. He has over 30 years of radiological experience working with sealed and unsealed radioactive materials and is also currently serving as the Radiation Safety Officer (RSO) for NRC Materials License Nos. 41-08165-08, 41-08165-20 (formerly 01-06113-04), 41-08165-19 (formerly 01-25284-01), 41-08165-18, and 41-25219-01. His duties include taking radiation surveys, conducting leak tests, and providing radiation safety training classes. In addition to his current position, Mr. Colagross has held Radiation Safety Senior Technician, Project Manager Cleaning and Support Services, and Radiological Control Senior Technician positions at TVA since 1987. Prior to joining TVA, Mr. Colagross served as a Radiological Control Senior Technician between 1979 and 1987. Mr. Colagross has 13 years of experience working with nuclear gauges and performing or directing the performance of routine and non-routine operations and maintenance and has been the RSO for the TVA's Central Laboratory Services facility for eight years.

Mr. Colagross has successfully completed the training described in Criteria in the section entitled 'Radiation Safety Officer' in NUREG-1556, Vol. 4, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauges Licenses," dated October 1998. Mr. Colagross' training has included instruction in environmental sampling, control and use of sealed sources, personnel monitoring, personnel decontamination, and maintaining records of shipment/receipt of radioactive material. He has also completed a manufacturer's fixed gauge operator course and training in the shipment of radioactive material and the handling of hazardous waste.

Formal Training and Education

Attended University of North Alabama, 1972-1973
Radioactive Material Shipping Class, 2002
Hazardous Waste Training Program (HAZWOPER) - 29 CFR 1910.120, 2011
Ohmart Nuclear Gauge Users Course, (8 hr) 2000
CPR/First Aid Training, 1996
TVAU Facilitator Training, 1995
Philip Plato Panasonic TLD class, 1992

Since 1987, attended numerous TVA radiation worker and radiation control technician training courses and has conducted worker radiation safety training and radiation safety officer duties and activities training.

**John E. Young
217 Lincoln Drive
Muscle Shoals, AL 35661**

Training and Experience:

Mr. Young is currently a Radiation Safety Technician, Non- Nuclear, in TVA's Radiation Safety, Non-Nuclear group. He has over 29 years of radiological experience working with radioactive materials, sealed sources, and unsealed sources. His duties include taking radiation surveys, conducting leak tests, providing radiation safety training classes and shipping of radioactive materials. Mr. Young completed a three month training program for TVA Health Physics Technicians in the spring of 1984. After which Mr. Young worked as a Health Physics Technician at Browns Ferry Nuclear plant from the spring of 1984 until August of 2005. While at Browns Ferry, Mr. Young worked as lead technician for Plant Lab and Radwaste Radiological areas.

Mr. Young transferred to Muscle Shoals, AL in 2005, and has worked as radiation safety technician since that time. During his 8 years in Muscle Shoals, Mr. Young has worked directly with nuclear gauges, fixed gauges, and metal analyzers; all of which require radiation surveys, shutter checks, and leak checks.

Mr. Young's training has included instruction in environmental sampling, control and use of sealed sources, personnel monitoring, personnel decontamination; and also training on preparing and maintaining records of shipment and receipt of radioactive materials. Mr. Young has proctored vendor classes on nuclear gauges and metal analyzers. Mr. Young has been trained on nuclear gauges and metal analyzer instruments.

Formal Training and Education:

University of North Alabama, BS in Biology, [REDACTED]
Radioactive Material Shipping Class, 2013
Hazardous Waste Training Program (HAZWOPER) - 29 CFR 1910.120, 2013
Philip Plato Panasonic TLD class

**PERSONAL INFORMATION WAS REMOVED
BY NRC. NO COPY OF THIS INFORMATION
WAS RETAINED BY THE NRC.**

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

11/26/13, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment (41-08165-18)
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** 582605.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.