



'05 APR 25 A10 :25

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

April 22, 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)
Tennessee Valley Authority) Docket No. 30-33122

BY-PRODUCT MATERIAL LICENSE NO. 16-25243-01 - LICENSE
AMENDMENT REQUEST

TVA hereby requests an amendment to the subject by-product material license. The purpose of this amendment is:

- A. To reassign the duties of the Radiation Safety Officer (RSO);
- B. To reassign authorized users under the license; and
- C. To delete references to an individual that will no longer be associated with the license.

Floyd J. Spivey, Jr., has retired and will no longer be associated with the radiation safety activities at TVA. TVA is assigning James B. Colagross to the position (RSO) that was held by Mr. Spivey. Mr. Colagross is currently listed as the Alternate RSO on the subject license. In addition, Mr. Robert A. Bond (Authorized User) is no longer employed by TVA and will be replaced by Mr. C. Steven West.

136931
NMSS/RGNI MATERIALS-002

U. S. Nuclear Regulatory Commission
Page 2
April 22, 2005

Enclosed 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 and 12). Attached to the Enclosure are the resumes for the new RSO and Authorized User.

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", written over a horizontal line.

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]

NRC FORM 313
(4-2004)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2005

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:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
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, 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:

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

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, 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
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

03033122

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 16-25243-01
☐ C. RENEWAL OF LICENSE NUMBER _____

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

Tennessee Valley Authority
Executive VP, Fossil Power Group
1101 Market Street
Chattanooga, Tennessee 37402-2801

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Paradise Fossil Plant
Tennessee Valley Authority
Drakesboro, Kentucky 42337

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 C. Mashburn, Mgr., Nuclear Licensing

SIGNATURE

Fred C. Mashburn

DATE

4/21/2005

FOR NRC USE ONLY

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

\$

APPROVED BY

DATE

16-25243-01

License Conditions 11 and 12

License Application Item 7

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

11. The Radiation Safety Officer (RSO) for this license is
James B. Colagross. (Refer to Attachment 1 for resume) |
12. Licensed material shall be used by, or under the
supervision of C. Steve West. (Refer to Attachment 2 for
resume) |

ATTACHMENT 1

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.

ATTACHMENT 2

Resume

for

C. Stephen West

RESUME

C. Stephen West, PE

WORK EXPERIENCE

January 2005 - Present Tennessee Valley Authority, Paradise Fossil Plant [FP], Drakesboro, Ky.
Manager, Plant Engineering

Responsibilities:

- Direct Report to Plant Manager
- Managing Engineering Department, consisting of 10 Engineers, 15 Engineering Aides, Environmental Administrators, and staff

February 2003 - January 2005 Tennessee Valley Authority, Paradise FP, Drakesboro, Ky.
Maintenance Supervisor, Projects

Responsibilities:

- Managed Paradise FP projects, including Major Capitol, Job Order, Major Maintenance and Plant Restoration.
- Supervised project to remove nuclear gauges for Paradise Unit-1.

2001 - February 2003 Tennessee Valley Authority, Paradise FP Drakesboro, Ky.
Principle Engineer

Responsibilities:

- Provided technical and administrative supervision to a group of engineers and technical services analysts.
- Served as predictive maintenance coordinator.
- Prepared targets and forecasts related to performance indicators for input into Paradise FP's business plan.

1995 - 2001

Tennessee Valley Authority, Paradise FP,
Drakesboro, Ky.
System Engineer

Responsibilities:

- System engineer for Paradise scrubbers which utilize 12 nuclear guages
- Conducted technical monitoring, analysis and investigations of plant electrical, mechanical, and chemical systems, processes, and equipment.
- Performed mathematical modeling of turbine cycle and air pollution control equipment.

1992 - 1995

Tennessee Valley Authority, Paradise FP,
Drakesboro, Ky.
Chemical Engineer

Responsibilities:

- Provided engineering expertise and direction concerning chemical engineering processes and practices related to chemical cleaning, water treatment, and flue gas desulfurization chemistry.
- Reviewed and monitored water treatment parameters relating to boiler chemistry on a daily basis ensuring standards and limits were maintained.
- Inspected plant equipment and laboratories to ensure adequacy of water treatment practices and procedures.

EDUCATION

B.S. Chemical Engineering, University of Kentucky, 1988-1992
Other: Registered Engineer in the State of Kentucky

TVA Radiation Safety Program Training - 2005

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

4/22/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 16-25243-01 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 136931.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (R)
(6-96)

Sincerely,
Licensing Assistance Team Leader

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03120
Status Code: 0
Fee Category: EX 3P
Exp. Date: 20130831
Fee Comments: NOT REACTOR RELATED
Decom Fin Assur Req: N
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LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: TENNESSEE VALLEY AUTHORITY
Received Date: 20050425
Docket No: 3033122
Control No.: 136931
License No.: 16-25243-01
Action Type: Amendment

2. FEE ATTACHED

Amount: /

Check No.: /

3. COMMENTS

Signed

Date

Rebecca Jured
4/29/2005

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 _____