

November 12, 2021

Mr. Roberto J. Torres, M.S., Senior Health Physicist
U.S. Nuclear Regulatory Commission – Region IV
Materials Licensing and Decommissioning Branch
1600 East Lamar Boulevard, Suite 400
Arlington, TX 76011-4511

RECEIVED
NOV 22 2021
DNMS

SUBJECT: Request for Amendment to U.S. Nuclear Regulatory Commission
Materials License No. 05-27748-01 (Current Amendment #20)

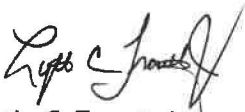
Dear Mr. Torres:

In accordance with the enclosed NRC Form 313, Item 7, Wood Environment & Infrastructure Solutions, Inc. is requesting an amendment to the subject license, issued under Docket No. 030-36204. This requested amendment removes John P. Clements and adds Jeffrey W. Lively as the Radiation Safety Officer under Condition 14. B (resume and supporting certifications enclosed). Mr. Clements has accepted another job opportunity and will no longer be employed by Wood after November 19, 2021. Mr. Lively has previously served as the Radiation Safety Officer for this license - he will be available for emergencies and can be on-site within 24-48 hours.

Wood's *Radiation Protection Program Functional Organization Chart* is enclosed which demonstrates the Radiation Safety Officer has sufficient independence and direct communication with responsible management officials.

Thank you for your assistance in this matter. If you have any questions, please do not hesitate to contact Mr. Lively via email, jeffrey.lively@woodplc.com, or phone, (970) 260-8202.

Sincerely,



Lytle C. Troutt, Jr.
President / Corporate Executive Sponsor
Resilient Environments
Wood Environment & Infrastructure Solutions, Inc.
lytle.troutt@woodplc.com

Enclosures

cc: RSE00104/RML-LTR-021

Wood Environment & Infrastructure Solutions, Inc.
2275 Logos Court, Suite A
Grand Junction, Colorado 81505 USA
Tel: (970) 243-2861
Fax: (970) 256-7356
woodplc.com





**APPLICATION FOR
 MATERIALS LICENSE**

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-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by 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 CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH
 DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS
 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, 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

IF YOU ARE LOCATED IN:

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 05-27748-01

C. RENEWAL OF LICENSE NUMBER _____

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

Wood Environment & Infrastructure Solutions, Inc.
 2275 Logos Court, Suite A
 Grand Junction, CO 81505

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

2275 Logos Court, Suite A
 Grand Junction, CO 81505

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jeffrey W. Lively

BUSINESS TELEPHONE NUMBER	BUSINESS CELLULAR TELEPHONE NUMBER
970-260-8202	970-260-8202

BUSINESS E-MAIL ADDRESS

jeffrey.lively@woodplc.com

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. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

7. RADIATION SAFETY PROGRAM.

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

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

8. FACILITIES AND EQUIPMENT.

9. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions*)
 (See 10 CFR 170 and Section 170.31)
 *Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE CATEGORY	AMOUNT ENCLOSED \$

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

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, 37, 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	SIGNATURE	DATE
Lytle C. Troutt, Jr, Corporate Executive Sponsor		Nov 12, 2021

FOR NRC USE ONLY

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



License No.: 05-27748-01

Licensee Name: Wood Environment & Infrastructure Solutions, Inc.

Memo To: Jeffrey Lively Radiation Safety Officer
From: Lytle C. Troutt, Jr. Wood Executive Sponsor.
Subject: Delegation of Authority

You, Jeffrey Lively, have been appointed as the License radiation safety officer and are responsible for ensuring the safe and secure use of radiation. You are responsible for managing the Radiation Protection Program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations, when justified, to maintain radiation safety. You are required to notify management if staff does not cooperate and does not address radiation safety issues. In addition, you are free to raise issues with Lytle C. Troutt, Jr. the Wood Executive Sponsor at any time.

Lytle C. Troutt, Jr., President Digitally signed by Lytle C. Troutt, Jr.,
President
Date: 2021.11.12 08:50:20 -06'00'

Wood Executive Sponsor

Date

I accept the above responsibilities,

Jeffrey.Lively Digitally signed by Jeffrey.Lively
Date: 2021.11.16 10:46:44 -07'00'

Radiation Safety Officer

Date

RPP-PRO-LTR-001



Jeffrey W. Lively, CSP, RRPT

Senior Associate Health Physicist / Radiation Safety Program Manager

Professional Summary

Mr. Lively has more than 40 years of experience in the operation and management of Health Physics, Radiation Protection, and Environmental Restoration programs. Applications include nuclear power, fuel-cycle operations, post-secondary academic institutions, radioactive materials license compliance management, and environmental engineering and consulting. He is the program manager of Wood Environment & Infrastructure Solutions' (Wood) Radiological Services & Engineering group and oversees the company's Radiation Protection Program.

He has extensive experience with the development and implementation of radiation protection programs designed to meet U.S. Naval Nuclear Power Program, U.S. Nuclear Regulatory Commission, U.S. Department of Energy, U.S. Army Corps of Engineers, and various State radiation protection regulations and guidance. He has taught nuclear plant operations including radiation protection and radiological controls. He taught health physics in the U.S. Navy and in a post-secondary technical college and qualified radiological controls technicians in both the military and commercial sectors. He designed and implemented the Radiation Protection Training Program for a U.S. Department of Energy site. He specializes in the derivation of dose- and risk-based radiological cleanup goals for radionuclide-contaminated sites and the development of statistically based sampling and analysis plans designed to demonstrate compliance with health-based standards.

As the program manager for Wood's Radiation Protection Program, he oversees, assesses, and ensures the effectiveness and regulatory compliance of the program for the implementation of three radioactive materials licenses issued to Wood. Two of the three licenses (one issued by the U.S. Nuclear Regulatory Commission and another by the State of California) permit the company to perform a broad range of services involving radioactive materials including decontamination, remediation, and decommissioning at client sites. A third radioactive materials license, issued by the State of Colorado, authorizes the possession and use of radioactive calibration and check sources. Mr. Lively has programmatic oversight of the RSOs designated on these licenses as well as site RSOs designated to implement the licenses at project sites.

Years of Radiation Safety Experience

- 40 Years
- 24 with Wood

Office of Employment

Grand Junction, CO

Languages

- English – Proficient

Professional Associations

- Member, Health Physics Society
- Member, National Registry of Radiation Protection Technologists
- Member, American Society of Safety Professionals

Professional Certifications

- Registered Radiation Protection Technologist (RRPT)
- Certified Safety Professional (CSP)

Areas of Expertise

- Health Physicist/Radiological Engineer – Expert
- Hazardous Waste/Materials Specialist – Advanced



Jeffrey Lively, CSP, RRPT

Senior Associate Health Physicist / Radiation Safety Program Manager



Qualifications

Education

- Naval Nuclear Power Plant School, 1977
- Engineering Laboratory Technician (ELT) School (Radiological Controls and Radiation Safety Specialist), 1983
- Radiological Controls Maintenance Supervisor

Registrations / Certifications / Licenses

- Registered Radiological Protection Technologist (RRPT) – #13632
- Certified Safety Professional (CSP) – Comprehensive Safety Practice, U.S., #15656
- Health Physics Society (HPS) – #15029
- American Society of Safety Engineers (ASSE)
- Designated as Alternate RSO on State of California Radioactive Materials License

Training

- Radiation Safety Officer Training, (Current)
- OSHA 40-Hour Hazardous Waste Operations & Emergency Response (Hazwoper) Training, 1993
- OSHA 8-Hour HAZWOPER Refresher Training, (Current)
- DOT, NRC, & IATA Requirements for Shipping Radioactive Materials, (Current)
- Radiation Worker Training, (Current)
- CPR/First Aid/AED, (Current)

Relevant Experience

Radiation Safety Program Management

- Project Integration, Radiological Services & Engineering (RS&E). Oversees all project delivery aspects of Wood's RS&E business, including the Radiation Protection Section.
- The Radiation Protection Section:
 - Manages and implements the radioactive materials licenses held by Wood's RS&E business.
 - Develops and maintains the Radiation Protection Program and implementing procedures in support of activities for which a radioactive materials license is implemented.
 - Maintains radiation measurement instrumentation for use in implementing the requirements of the radioactive materials licenses and supporting program and procedures.
 - Issues and manages radiation dosimetry, both personnel and area, for assessing and documenting radiation exposures.
- Plant Radiological Controls Manager, land-based prototype U.S. Navy nuclear power plant.
 - Oversaw to implementation of the U.S. Navy's Radiation Protection Program for the reactor plant, including 4-crews of radiological controls technicians.
 - Oversaw the integration of and radiological controls measures for all plant operations and maintenance activities, verifying compliance with both the quality and safety aspects of the requirements of the Radiation Protection Program.
- Commercial Client Radiation Safety Program Consultation and License Support
 - Develops Radiation Protection Programs.
 - Audits and assessments of U.S. Department of Energy and commercial client Radiation Protection Programs and their implementation.



Jeffrey Lively, CSP, RRPT
Senior Associate Health Physicist /
Radiation Safety Program Manager



Radiological Safety Training Management

- Plant Radiological Controls Manager, land-based prototype U.S. Navy nuclear power plant.
 - Oversaw the radiological controls and radiation safety components of the nuclear plant training program and mission
- Educator/Instructor, Eastern Idaho Technical College
 - Designed, developed, and delivered accredited post-secondary level curriculum for the Health Physics/Radiological Control Technician Program
 - Broad spectrum education in Radiation Safety Practice
 - Certificate and Associate Degrees in Radiation Safety Practice
 - Manages and implements the radioactive materials licenses held by Wood's RS&E business
- Radiological Controls Training Program, Developer/Instructor, U.S. Department of Energy
 - Designed, developed, and delivered new curriculum for the Health Physics/Radiological Control Technician Program in compliance with new regulations promulgated in 10 CFR 835, and corresponding programmatic implementation guidance
 - Trained and certified workers, Radiological Controls technicians, radiological engineers, supervisors, and managers
- Project Integration, RS&E, Wood
 - Oversees all project delivery aspects of Wood's RS&E business, including the Radiation Safety Training
 - Oversees the design, development, and delivery of radiation protection training and training qualifications for workers and supervisors engaged in activities involving occupational radiation exposure



Certificate of Training

Awarded To

Jeffrey Lively

Recognizing completion of 5 days of specialized instruction in

Radiation Safety Officer Training

December 13, 2019

Presented By

NV5 – Dade Moeller Training Academy

9200 Corporate Boulevard, Suite 380 Rockville, MD 20850
www.dademoeller.com/training -- 301-990-6006

ABIH Diplomates can claim this course for 40 hours in the IH CM Area
AAHP has awarded this course 40 Continuing Education Credits – 2018-00-053

Judson Kenoyer

Judson Kenoyer, MS, CHP, CIH

David A. Waite

David A. Waite, Ph.D., CHP





RRPT #: 13632

RM Ending Cycle:
12/31/ 2023

Member Since: 1993

**National Registry of
Radiation Protection
Technologists**

This card verifies that:

Jeffrey W. Lively

has completed all requirements of the
Registration Maintenance (RM)
Program

BCSP | BOARD OF CERTIFIED SAFETY PROFESSIONALS

Having met the applicable requirements, BCSP hereby
authorizes the use of

Certified Safety Professional (CSP)

in
Jeffrey W Lively

Effective
01/22/1999

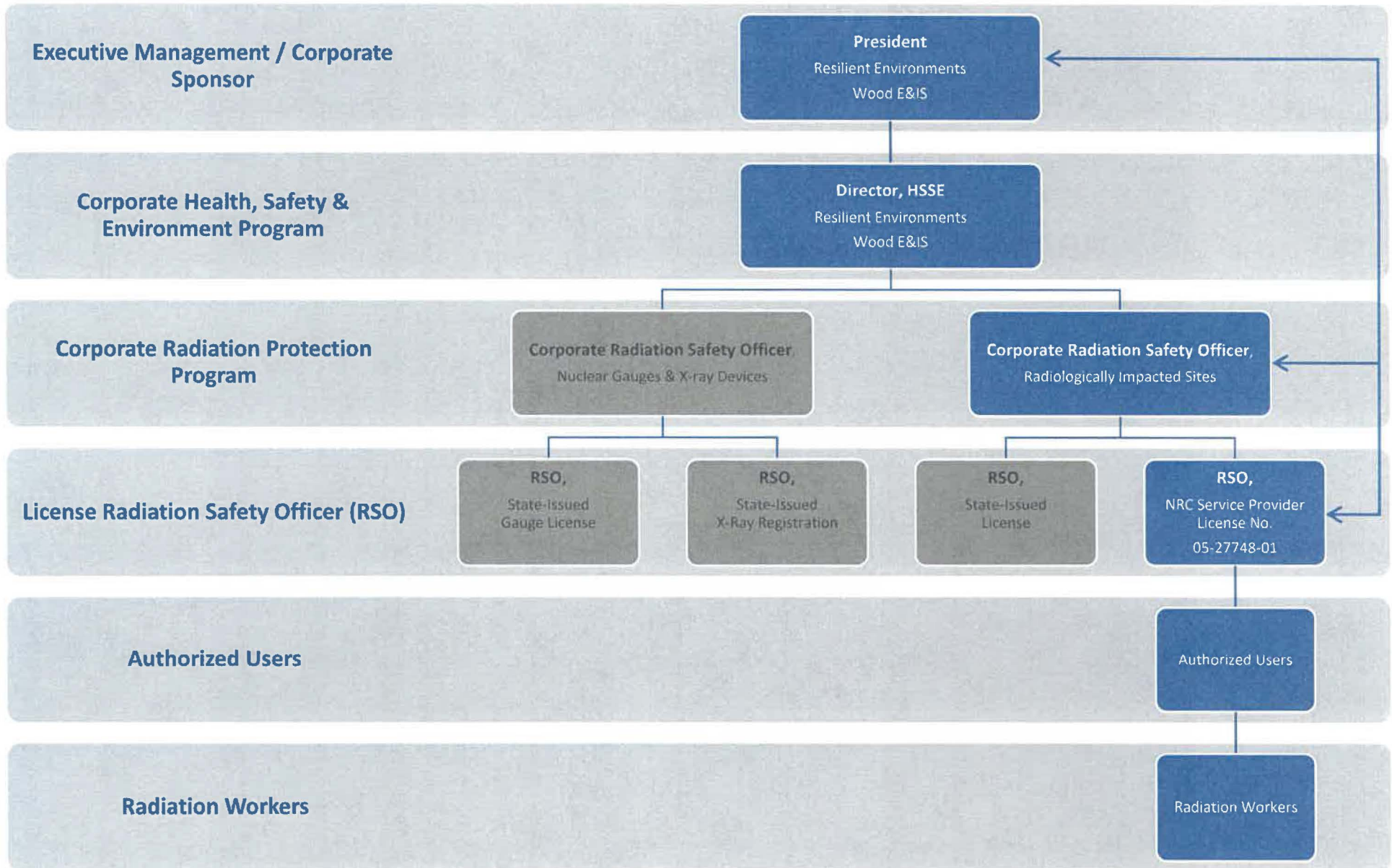
Certificate
CSP-15656

Expires
12/31/2021


SECRETARY

To verify current status, visit directory.bcsp.org.

Radiation Protection Program Functional Organization Chart



ORIGIN ID:GJTA (970) 243-2861
JOHN CLEMENTS
WOOD E&I SOLUTIONS, INC.
2275 LOGOS CT
STE A
GRAND JUNCTION, CO 81505
UNITED STATES US

SHIP DATE: 16NOV21
ACTWGT: 0.50 LB
CAD: 5566841/INET4400

BILL SENDER

TO **ROBERTO J. TORRES, M.S., SR. HP**
U.S. NRC REGION IV - DNMS
1600 E LAMAR BLVD
NUCLEAR MATERIALS LICENSING BRANCH
ARLINGTON TX 76011

56D.J29A7E/FE4A

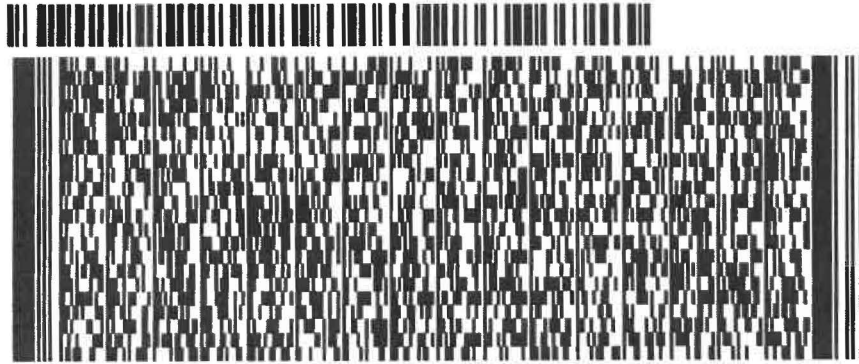
(817) 200-1189

REF: HH01122.010.****

INV:

DEPT:

PO:



FedEx
Express



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WED - 17 NOV 11:30A
PRIORITY OVERNIGHT

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76011
TX-US DFW

