

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

(10-2017)
10 CFR 30, 32,
33, 34, 35, 36,
37, 39, and 40APPLICATION FOR
MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 06/30/2019

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-2 F43), 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, NE08-10202, (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

Br. 2
(06-35486-01)
L35486
03039107

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 _____
☐ C. RENEWAL OF LICENSE NUMBER _____

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

New England Materials Testing Lab, LLC.
Zulfqar Ali Chaudhary
72 Bissell Street Manchester, CT. 06040

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

NEW ENGLAND MATERIALS TESTING LAB, LLC
72 BISSELL STREET MANCHESTER, CT 06040

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Zulfqar Ali Chaudhary

BUSINESS TELEPHONE NUMBER
860-783-5830

BUSINESS CELLULAR TELEPHONE NUMBER
860-212-3281

BUSINESS E-MAIL ADDRESS

ali@newenglandmaterialstesting.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. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND 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 (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 **New** AMOUNT ENCLOSED \$ **3,300.00**

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

Zulfqar Ali Chaudhary, (Principal, Proposed RSO)

SIGNATURE

Zulfqar Ali Chaudhary

DATE

04/05/18

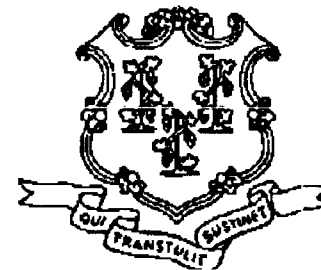
FOR NRC USE ONLY

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



STATE OF CONNECTICUT

Connecticut Department of
Energy & Environmental Protection
Bureau of Air Management
Radiation Division



CONFIRMATION OF REGISTRATION

Issued To:

New England Materials Testing Lab, LLC

For:

Radioactive Material and Industrial X-Ray Devices

Rob Klee

Commissioner

Department of Energy & Environmental Protection

Site Address: 72 Bissell St
Manchester, CT 06040-5391

Application No.: 2318960

Facility ID No.: 5878

Issue Date: 12/5/2017

Expiration Date: 12/31/2018



NEW ENGLAND MATERIALS TESTING LAB, LLC.
NEW ENGLAND REGIONAL OFFICE

72 Bissell Street Manchester, CT 06040 • Cell: 860-212-3281, Tel: 860-783-5830 • Fax: 860-783-5832

April 5, 2018

US NRC
Licensing Department

SUBJECT: APPLICATION FOR NEW LICENSE FOR NUCLEAR GAUGES

Dear Sir/Madam,

I, Zulfqar Ali Chaudhary started a new business (**NEW ENGLAND MATERIALS TESTING LAB, LLC**) related to construction materials testing and inspection services. We are located in Manchester, CT. 06040.

I am applying for new license for Nuclear Density Gauges.

US NRC APPLICATION FOR TRANSFER OF GAUGES TO NEW LICENSE

- Items 5 Through 11

➤ Item 5: RADIOACTIVE MATERIAL

- | | |
|------------------|-----------------------|
| A. Cesium 137 | Sealed Sources |
| B. Americium 241 | Sealed Neutron Source |

➤ Maximum Amount:

- | |
|--|
| A. Not exceed to 10 Mill curies per source |
| B. Not to exceed 50 Mill curies per source |

➤ Item 6: PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED:

- Gauges will be used for the purposes of soil density compaction test.

NEMT

www.newenglandmaterialstesting.com

Page 1 of 2



NEW ENGLAND MATERIALS TESTING LAB, LLC.
NEW ENGLAND REGIONAL OFFICE

72 Bissell Street Manchester, CT 06040 • Cell: 860-212-3281, Tel: 860-783-5830 • Fax: 860-783-5832

➤ Item 7, Item 8: ZULFQAR ALI CHAUDHARY (Proposed RSO)

- According to NUREG-1556, Rev. 1. I, Zulfqar Ali Chaudhary has ten-year experience to operate and transporting of Nuclear Gauges. I, Zulfqar Ali Chaudhary have all related Radiation Safety Program Certifications and their training experiences and also have Radiation Safety Officer Certification and Hazmat Certification. All certifications are attached with the application.

Item 9: FACILITIES AND EQUIPMENT:

- New England Materials Testing Lab Owned the building, and we have separate room for Nuclear Gauges.
- Facility Address: 72 Bissell Street Manchester, CT. 06040
- We did not buy any equipment yet because we don't have License.

Item 10: Radiation Safety Program:

- I, Zulfqar Ali Chaudhary has ten years' experience to operate, transporting and storage of Portable Nuclear Gauge. I read the rules and regulations according to Radiation Safety Program Instruments in NUREG-1556, Rev. 1.
- Operating and emergency procedures will be followed.
- New England Materials Testing Lab also registered from **Connecticut Department of Energy & Environment Protection Bureau of Air Management Radiation Division for *Radioactive Material and Industrial X-Ray Devices***

Item 11: WASTE MANAGEMENT:

- I, Zulfqar Ali Chaudhary would be the responsible for whole operation and I am certified as Radiation Safety Officer.
- Proposed company RSO Zulfqar Ali Chaudhary is properly trained and have 10-years gauges handling experience and hold the required qualifications and certifications.

Best Regards,

New England Materials Testing Lab, LLC.

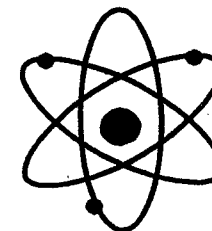
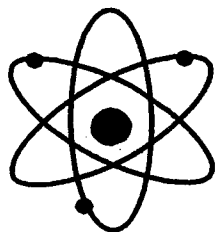
Zulfqar Ali Chaudhary
Principal, Proposed RSO

NEMT

www.newenglandmaterialstesting.com

Q/C RESOURCE

Training Course Certification



This is to certify that

Zulfqar Ali Chaudhary

has successfully completed the RSO and Operator's course as required by the U.S. Nuclear Regulatory Commission and the Agreement States, in the Fundamentals of Safety and Gauge operation, for the use of Nuclear Moisture / Density equipment. This course meets the requirements in NUREG 1556 Vol 1, Appendix D. It covered:

Atomic Physics

Radiation Safety

Dose/Shielding Calculations

Accidents/Storage

49 CFR Transportation

Risk

ALARA

Measurement Theory

Operation

Field Applications

Calibration

Maintenance

April 29, 2008

Date Of Training

11198

Certificate Number

A handwritten signature in black ink, appearing to read "Philip C. Palilla".

*Instructor - Philip C. Palilla
Manufacturer's Rep*

Certificate ID: C098C4B941D23249

Radiation Safety Officer Certification

This certifies that

zulfqar Ali chaudhary

has successfully completed the official Troxler Radiation Safety Officer Course. This person was taught and demonstrated knowledge of radiation safety and the regulatory requirements associated with the role of Radiation Safety Officer for a portable nuclear gauge license on this date:

Apr 04, 2018



Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

Hazmat Certification
as required by U.S DOT and IATA

This certifies that

zulfqar Ali chaudhary

has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.

Date Apr 04, 2018 Expires Apr 03, 2021

EMPLOYER CERTIFICATION

I certify that the hazmat employee identified on this certificate has been trained and tested as required by U.S. DOT Hazardous Material Regulations (49 CFR 172 Subpart H).

Signature

Zulfqar Ali

Title

Company, RSO

Date

April 04, 2018



Troxler Electronic Laboratories, Inc.
P.O.BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone:(919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

Nuclear Gauge Operator Recertification

This certifies that

Zulfqar Ali Chaudhary

has successfully completed the *Nuclear Safety for Gauge Operators
Refresher Course* online course on the date shown below.

November 22, 2015



Troxler Electronic Laboratories, Inc.
P.O. Box 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone: (919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

U.S. D.O.T. HAZMAT CERTIFICATION

Refresher Training for Portable Nuclear Gauges

Certificate of Completion to:
Zulfqar Chaudhary

Training must be renewed within three years from today's date:

April 26, 2017

This course satisfies the training requirements of 49 CFR 172, Subpart H, including:

- General Awareness/Familiarization
- Function Specific Training
- Safety Training
- Security Awareness
- Driver Training

The organization RSO/Official must certify that the employee has been properly trained and tested per the requirements of 49 CFR 172, Subpart H. The acknowledgement and signature of the RSO/Official makes the training and certificate relevant and valid.


Tri State materials Testing Lab, LLC
Company Name

Habib A. Chaudhary, P.G.
Company RSO/Official (print)


Signature of RSO/Official

American Portable Nuclear Gauge Association
P.O. Box 423, Emmitsburg, MD 21727 • www.apnga.com

Key9INpgfC


George E. Marshall - Director
240-888-6426

Certificate of Completion

Zulfqar Chaudhary

has successfully completed the following course

OSHA 10 Hour Construction Program [2009 Rev 1]

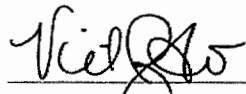
This course is approved for 10 continuing education credit hours.

Not Applicable

Course Approval

December 19 2010

Course Completion Date


Victoria Zambito, VP of Product Management

RedVector.com
AIA Registered Provider #J315
FL DBPR Approved Provider #0001771
FBPE Approved Provider #33

RedVector
Leaders in Online Education & Training

Two Urban Centre • 4890 West Kennedy Boulevard Suite 300 • Tampa, FL 33609

State of Connecticut

Department of Administrative Services Supplier Diversity Program



This Certifies

New England Materials Testing Lab, LLC.

72 Bissell Street Manchester CT 06040

As a

Small/Minority Business Enterprise

March 09, 2018 through March 09, 2020

Owner(s): Zulfiqar Ali Chaudhary

Contact: Zulfiqar Ali Chaudhary

E-Mail: ali@newenglandmaterialstesting.com

Telephone: 860-212-3281 Ext: **FAX:** 860-783-5832

Web Address: www.newenglandmaterialstesting.com

****Affiliate Companies:**

Meg Yetishefsky

Supplier Diversity Director

M. Murray

Supplier Diversity Specialist

Supplier Diversity



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee

New England Materials Testing Lab, LLC
ATTN: Zulfgar Ali Chaudhary, Principal,
Proposed RSO
72 Bissell Street
Manchester, CT 06040

Date

April 12, 2018

License Number(s)

New License Application

Mail Control Number(s)

608453

Licensing and/or Technical Reviewer or Branch

Commercial, Industrial, R&D, & Academic Branch

This is to acknowledge receipt of your: ☐ Letter and/or ☒ Application Dated: 04/05/2018

The initial processing, which included an administrative review, has been performed.

☐ Amendment ☐ Termination ☒ New License ☐ Renewal

☒ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, or (610) 337-5239