

APPLICATION FOR MATERIAL LICENSE

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.

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

LL 30987
03036812
03121

(45-30987-01)

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)

Summit Engineering, Inc.
Drawer 1800, Rt. 460 West
Grundy, Virginia 24614

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Material is to be stored at the address in Item 2. Material is to be used at various construction sites in Virginia.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

David Rasnick RSO

TELEPHONE NUMBER

276/530-7220

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 3P

AMOUNT ENCLOSED

\$ 1200.00

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

David Rasnick RSO

SIGNATURE

David Rasnick

DATE

12-22-04

FOR NRC USE ONLY

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

DATE

136269

Attachment: Items 5 through 11

5. Radioactive Material – Sealed Sources and Devices.

a. Element and mass number	b. Chemical and/or physical form	c. Maximum amount that will be possessed at one time.
A. Cesium-137	Sealed source Troxler Dwg. 102451	No single source to exceed 9 mCi

6. Purpose for Which Licensed Material Will Be Used. To be used in Troxler model 3400 series gauge for measurement of physical properties of materials.

7. Individual(s) Responsible for Radiation Safety Program and Their Training Experience. The following Summit Engineering officials and employees will use radioactive materials associated with nuclear moisture/density gauges. Qualifications for these individuals are detailed in Attachment 1A.

Name	Last Date of Gauge Training	Last Date of Hazmat Training	Date of Authorization	Comments
David Rasnick	10/08/85	12/02/04	10/08/85	RSO
Jeff Robinson	10/08/85	03/26/02	10/08/85	
Steve Haywood	10/08/85	11/30/04	10/08/85	
Lonnie Fleenor	11/06/86	03/10/04	11/06/86	
Garret Mullins	02/15/90	11/30/04	02/15/90	
Richard Wright	05/09/96	11/30/04	05/09/96	
Charles Byers	04/15/97	11/30/04	04/15/97	
Terry Anderson	04/15/97	11/30/04	04/15/97	
Robert Yates	07/09/97	12/01/04	07/09/97	
Jody Hunt	01/15/02	11/30/04	04/15/02	
Ishmal Ratliff	08/08/02	12/01/04	08/08/02	
Gratho Williams, Jr.	11/20/02	11/30/04	01/15/03	
Justin Branham	11/20/02	11/30/04	11/20/02	
Nathan Abshire	03/09/04	12/01/04	04/15/04	

8. Training for Individuals Working in or Frequenting Restricted Areas. Before using licensed materials, all gauge users will have successfully completed the Troxler nuclear gauge safety training, received copies of, and been trained in, the applicant's gauge operating and emergency procedures and been designated as an authorized user by the RSO.

9. Facilities and Equipment. NRC does not require response to this item.

10.1 Personnel Monitoring. All authorized personnel will wear film badges when using, cleaning, or testing the surface moisture-density gauge. OSL type Luxel® badges provided by Landauer, Inc; 2 Science Road; Glenwood, IL 60425-1586 will be utilized. These badges shall be worn either on the shirt pocket, pants pocket (front), or belt (front). Other approved dosimeters and personnel monitoring services may also be used. The film badges will be tested and replaced once per 3 months. The monitoring laboratory will provide the necessary reports covering each wear period.

10.2 Radiation Detection Instruments. Summit Engineering, Inc. maintains a survey meter located at our Pikeville, Kentucky office for use in the event of an incident involving the gauge. The survey meter will be calibrated annually by the manufacturer and checked for functionality before use (e.g., with the gauge source or a check source).
Manufacturer: Dosimeter Corp.

Model: #3700

Name and address of the firm that will calibrate the survey meter:

EDO Artisan Inc.
5 Eastman Road
Parsippany, NJ. 07054

10.3 Sealed Source Leak Testing. Leak tests will be performed at intervals not to exceed 6 months or other interval specified in the license using an approved kit, such as Troxler Leak Test Kit 3880, in accordance with the kit supplier's instructions. Leak test samples will be analyzed by an organization authorized by the NRC or Agreement State to

provide leak test services, such as Troxler Electronic Laboratories, Inc. (North Carolina license no. 031-0182-1).

10.4 Material Receipt and Accountability. *Records of receipt, transfer, and disposal of gauges will be maintained for at least 3 years *Physical inventories of sealed sources will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.

10.5 Public Dose. *Licensee shall ensure that gauge is used, transported, and stored in such a way that no member of the public receives a dose of more than 100 mrem in one year.

*Ensure that the dose in unrestricted areas does not exceed 2 mrem in any one hour.

*Control and maintain constant surveillance over gauges that are not in storage and secure gauges from unauthorized use or removal.

Item 10. 6 Operating and Emergency Procedures.

1. Always wear assigned personnel dosimetry devices (e.g., TLD badge) when using or transporting the gauge.
2. Never wear another person's dosimeter.
3. Never store a dosimeter near the gauge or other radiation source.
4. Before removing the gauge from its place of storage, ensure that in gauges with movable source rods, the rod is locked in the shielded position, and the transport case is locked.
5. Sign out the gauge in a logbook, stating the date(s) of use, name(s) of authorized user(s) who will be responsible for the gauge, and the temporary job site(s) where the gauge will be used.

6. Block and brace the gauge to prevent movement during transport and lock the gauge in or to the vehicle. Follow all Department of Transportation requirements when transporting the gauge.
7. Use the gauge according to the manufacturer's instructions and recommendations.
8. Do not touch the end of the source rod with your fingers, hands, or any part of your body or place any part of the body in the radiation field of the unshielded source.
9. Unless absolutely necessary, do not look under the gauge when the source rod is being lowered into the ground. If you must look under the gauge to align the source rod with hole, keep all body parts as far from the unshielded source as possible to minimize radiation exposure.
10. After completing each measurement in which the source is unshielded, immediately return the source to the shielded position.
11. Always maintain constant surveillance and immediate control of the gauge when it is not in storage or secured in the transport vehicle. Never leave the gauge unattended. Protect the gauge and yourself from danger of moving heavy equipment.
12. Always keep unauthorized persons away from the area where the gauge is being used.
13. Perform routine cleaning and maintenance according to the manufacturer's instructions and recommendations.
14. When the gauge is not in use at a temporary job site, place the gauge in a secured location (e.g., locked in the trunk of a car or locked in a storage shed).

15. Prior to transporting the gauge, ensure that each gauge source is in the fully shielded position. Ensure that the source rod is locked in the shielded position and that the gauge is placed into the case and lock the case. Block and brace the gauge to prevent movement during transportation. Lock the case in or to the vehicle.
16. Return the gauge to its proper storage location at the end of the work shift.
17. Log the gauge into the daily use log when it is returned to storage.
18. If gauges are used for measurements with the unshielded source extended more than 3 feet below the surface, use piping, tubing or other casing material to line the hole from the lowest depth to 12 inches above the surface. If the piping, tubing, or other casing cannot extend 12 inches above the surface, cap the hole liner or take other steps to ensure that the hole is free of debris (and it is unlikely that debris will enter the cased hole), so that the unshielded source can move freely (e.g., use a dummy probe to verify that the hole is free of obstructions).
19. After making changes affecting the gauge storage area (e.g., changing the location of gauges within the area, removing shielding, adding gauges, changing the occupancy of adjacent areas, moving the storage area to a new location), reevaluate compliance with public dose limits and ensure proper security of gauges.

The following procedures apply when the source fails to return to the shielded position (e.g., as a result of being damaged, source becomes stuck below the surface) or if any other emergency or unusual situation arises (e.g., the gauge is struck by a moving vehicle or is an accident involving a vehicle):

1. Immediately secure the area and keep people at least 15 feet away from the gauge until the situation is assessed and radiation levels are known. However, perform first aid for injured individuals and remove them from the area only when medically safe to do so.

2. If any heavy equipment is involved, detain the equipment and operator until it is determined there is no contamination present.
3. Gauge users and other potentially contaminated individuals should not leave the scene until emergency assistance arrives.
4. Visually inspect the gauge to determine the position of the source rod (exposed or shielded), and the position of the source shutter (open or closed), and the extent of damage, if any, to the source housing and/or shielding.
5. Notify the persons in the order listed below:

Name	Work Phone Number	Home Phone Number
David Rasnick (RSO)	276/530-7220	[REDACTED]

Fill in the names and telephone numbers of appropriate personnel (e.g., the Radiation Safety Officer of other knowledgeable staff, licensee's consultant, gauge manufacturer, or regulatory agency) to be contacted in an emergency. Update list as needed.

6. Follow the directions provided by the person contacted above.
7. RSO and Licensee management must:
 - a. Arrange for a radiation survey to be conducted as soon as possible by a knowledgeable person using appropriate radiation detection instrumentation. This person could be a licensee employee or a consultant. The person must be competent in use of the survey meter.
 - b. Make necessary notifications to local authorities as well as the NRC or Agreement State licensing agency as appropriate.
 - c. Reports to the NRC or Agreement States must be made within the reporting timeframes specified in regulations. Reporting requirements are

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

found in 10 CFR 20.2201-2203 and 10 CFR 30.50 or corresponding Agreement State regulations

NOTE

Before shipping a damaged gauge to Troxler, you must do the following:

- **Send close-up photographs of the damaged gauge to Troxler.**
- **Send a leak test sample to Troxler for analysis or send leak test results.**
- **Obtain a Returned Goods Authorization (RGA) number from Troxler.**

10.7 Maintenance. We will implement and maintain procedures for routine maintenance (cleaning and lubrication) of our gauge according to the manufacturer's recommendations and instructions.

10.8 Transportation.

The Model 3400 Series gauges are to be transported in accordance with the applicable requirements of the U.S. Department of Transportation (DOT), including the requirements for package labeling in Subpart E of 49 CFR Part 172 and the general requirements for shipping and packaging radioactive materials in Subpart 1 of CFR Part 173.

When being transported, the gauge is to be packaged in a Troxler high impact ABS plastic transport case (DOT 7A Yellow II Label) which meets or exceeds the appropriate requirements.

The Surface Moisture-Density Gauge will be transported in accordance with the applicable requirements of the U.S. Department of Transportation (DOT), including the requirements for package labeling in Subpart E of 49 CFR part 172 and the general requirements for shipping and packaging radioactive material in Subpart I of 49 CFR Part 173.

The gauges will be packaged for transport in a high impact plastic ABS transport case (DOT) 7A Yellow II label, 0.1 or 0.3 Transport Index). The packaged gauge will be fully secured in the transporting vehicle, away from the passenger compartment. When transporting in an enclosed vehicle, the vehicle shall be locked. Then transporting in an open bed vehicle, the gauges will be securely fastened to the truck bed.

At all times during transport, the following documents will be carried in the passenger compartment of the transporting vehicle:

1. A copy of the Application For Material License issued by the U.S. Nuclear Regulatory Commission.
2. A properly completed Bill of Lading for the gauge.
3. A copy of the Source Certificate.
4. A copy of the Transport Package Certificate.
5. A copy of the Summit Engineering, Inc. **Radiation Safety and Operating Procedures Manuel**, which includes a description of the emergency procedures to be followed in the event of an accident, theft or loss of the gauge.

10.9 Audit Program. An audit of the radiation safety program content and implementation will be performed and documented annually. Records of audits will be maintained for at least 3 years. Corrective actions will be taken promptly to prevent recurrence of deficiencies.

11 Waste Management. (Waste Management) The NRC does not require response to the question

ATTACHMENT 1A Training and Experience of Users

The following Summit Engineering officials and employees have successfully completed the required training on radiological safety, gauge operation, and transportation of radioactive materials. Copies of training, certificates are attached.

Name	Last Date of Gauge Training	Last Date of Hazmat Training	Date of Authorization	Comments
David Rasnick	10/08/85	12/02/04	10/08/85	RSO
Jeff Robinson	10/08/85	03/26/02	10/08/85	
Steve Haywood	10/08/85	11/30/04	10/08/85	
Lonnie Fleenor	11/06/86	03/10/04	11/06/86	
Garret Mullins	02/15/90	11/30/04	02/15/90	
Richard Wright	05/09/96	11/30/04	05/09/96	
Charles Byers	04/15/97	11/30/04	04/15/97	
Terry Anderson	04/15/97	11/30/04	04/15/97	
Robert Yates	07/09/97	12/01/04	07/09/97	
Jody Hunt	01/15/02	11/30/04	04/15/02	
Ishmal Ratliff	08/08/02	12/01/04	08/08/02	
Gratho Williams, Jr.	11/20/02	11/30/04	01/15/03	
Justin Branham	11/20/02	11/30/04	11/20/02	
Nathan Abshire	03/09/04	12/01/04	04/15/04	

TROXLER ELECTRONIC LABORATORIES

HEREBY CERTIFIES THAT

DAVID RASNICK

of

SUMMIT ENGINEERING, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES,
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedure. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge use and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Michael E. J. J.
INSTRUCTOR

10/8/85

DATE

W.F. T.

INSTRUCTOR

Nº 12265

TROXLER ELECTRONIC LABORATORIES INC.

HEREBY CERTIFIES THAT

JEFF ROBINSON

of

SUMMIT ENGINEERING, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

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| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
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Gauge Operation

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| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Michael E. Hurley
INSTRUCTOR

10/8/85

DATE

W.F. TROXLER

PRESIDENT

№ 12263

TROXLER ELECTRONIC LABORATORIE

NC.

HEREBY CERTIFIES THAT

STEVE HAYWOOD

of

SUMMIT ENGINEERING, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement & standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

Michael E. Hunley
INSTRUCTOR

10/8/85

DATE

W.F. HUNTER

PRESIDENT

No 12259

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

LONNIE FLEENOR

of

SUMMIT ENGINEERING

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration


INSTRUCTOR

11/06/86

DATE

№ 19104

W. F. TROXLER

PRESIDENT

TROXLER ELECTRONIC LABORATORIE

VC

HEREBY CERTIFIES THAT

GARRET MULLINS

of

SUMMIT ENGINEERING, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

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Gauge Operation

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|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Frank D. Jones
INSTRUCTOR

February 15, 1990
DATE

William F. Troxler
PRESIDENT

Nº 31397

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

RICHARD WRIGHT
of

SUMMIT ENGINEERING INC

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORY, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

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4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

Frank D. Jones
FRANK D. JONES
INSTRUCTOR

CERTIFICATE #: 073051

5/09/96
DATE

WILLIAM F. TROXLER
PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

CHARLES BYERS

of

SUMMIT ENGINEERING

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

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6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory.
2. Operating procedures.
3. Maintenance.
4. Field application.
5. Gauge calibration.

CERTIFICATE #: 076817

Alan D. Reynolds
ALAN D. REYNOLDS

4/15/97

WILLIAM F. TROXLER

INSTRUCTOR

DATE

PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

TERRY ANDERSON

of

SUMMIT ENGINEERING

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

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7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

CERTIFICATE #: 076816

Alan D. Reynolds
ALAN D. REYNOLDS

INSTRUCTOR

4/15/97

DATE

WILLIAM F. TROXLER

PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

ROBERT YATES

of

SUMMIT ENGINEERING INC

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

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Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

CERTIFICATE #: 078253

Alan D. Reynolds
ALAN D. REYNOLDS

INSTRUCTOR

7/09/97

DATE

WILLIAM F. TROXLER

PRESIDENT

TROXLER ELECTRONIC LABORATORIES

HEREBY CERTIFIES THAT

JODY HUNT
of

SUMMIT ENGINEERING INC

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
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1. Principles and practices of radiation protection.
2. Leak testing procedures
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

CERTIFICATE #: 097128

Harvey Dunlevy
HARVEY DUNLEVY
INSTRUCTOR

1/15/02
DATE

WILLIAM F. TROXLER, JR.
PRESIDENT

39049

Certificate Of Completion

This is to certify that Ishmal Ratliff has completed the
basic CPN® training course on Radiation Safety and Use of Nuclear Gauges,
held this 8 day of August 2002 in the
City of Whitesburg State of KY. by CPN International.

CPN International, Inc.
2830 Howe Road
Martinez, CA 94553 USA
Phone: (925) 228-9770
Fax: (925) 228-3183



Chad Russ
INSTRUCTOR
Douglas Carter
RADIATION SAFETY OFFICER

Certificate of Completion

This certifies that

Grath Williams Jr.

has successfully completed the

Nuclear Gauge Safety Training Class

conducted by the training department of

Troxler Electronic Laboratories, Inc.


Harvey Dunlevy
Instructor

11/20/2002
Date

William F. Troxler, Jr.
President



Troxler Electronic Laboratories, Inc.
PO Box 12057 • 3008 Cornwallis Rd. • Research Triangle Park, NC 27709
Phone: (919) 549-8661 • Fax: (919) 549-0761 • Web site: www.troxlerlabs.com

Enrollment ID: 1508

Certificate of Completion

This certifies that

Justin Branham

has successfully completed the

Nuclear Gauge Safety Training Class

conducted by the training department of

Troxler Electronic Laboratories, Inc.


Harvey Dunlevy
Instructor

11/20/2002
Date

William J. Troxler, Jr.
President



Troxler Electronic Laboratories, Inc.
PO Box 12057 • 3008 Cornwallis Rd. • Research Triangle Park, NC 27709
Phone: (919) 549-8661 • Fax: (919) 549-0761 • Web site: www.troxlerlabs.com

Enrollment ID: 1392

Certificate of Completion

This certifies that
Nathan Abshire
has successfully completed the
Nuclear Gauge Safety Training Class
conducted by the training department of
Troxler Electronic Laboratories, Inc.

Harvey Dunlevy
Harvey Dunlevy
Instructor

3/9/04
Date

William F. Troxler, Jr.
President



Troxler Electronic Laboratories, Inc.

PO Box 12057 • 3008 Cornwallis Rd. • Research Triangle Park, NC 27709

Phone: (919) 549-8661 • Fax: (919) 549-0761 • Web site: www.troxlerlabs.com

Enrollment ID: 6866

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

12/22/2004, and to inform you that the initial processing which includes an administrative review has been performed.

☒ NEW LICENSE APPLICATION (030 36812)
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 136269.
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: 03121
 and : Status Code: 3
 Regional Licensing Sections : Fee Category: _____
 : Exp. Date: 0
 : Fee Comments: _____
 : Decom Fin Assur Req'd: _
 ::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: SUMMIT ENGINEERING, INC
 Received Date: 20050111
 Docket No: 3036812
 Control No.: 136269
 License No.: 45-30987-01
 Action Type: New Licensee

2. FEE ATTACHED

Amount: \$1,200.00
 Check No.: 53196

3. COMMENTS

Signed M. A. Cochran
 Date 4/14/05

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 _____