



AB CONSULTANTS, INC.  
9450 Annapolis Road  
Lanham, Maryland 20706

Ph: 301-306-3091  
Fax: 301-306-3092  
[www.abconsultantsinc.com](http://www.abconsultantsinc.com)

November 11, 2005

ENGINEERING

PLANNING

SURVEYING

GEOTECHNICAL

ENGINEERING

CONSTRUCTION

MANAGEMENT

DESIGN BUILD

SERVICES

MATERIALS

TESTING

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Subject: INSPECTION 03036033/2005001, AB CONSULTANTS, INC., LANHAM,  
MARYLAND SITE AND NOTICE OF VIOLATION

**REPLY TO A NOTICE OF VIOLATION**

Dear Sir/Madam:

AB Consultants, Inc. is in the receipt of your letter dated October 14, 2005 and is hereby providing with the following point by point response.

A. Condition 12 of License No. 19-30738-01 requires that the Radiation Safety Officer (RSO) for the license is a named individual.

Contrary to the above, the named individual did not serve as Radiation Safety Officer since the individual was added to the license in April 2003.

This is a Severity Level IV violation (Supplement VI).

**RESPONSE:**

**Reason For Violation:** Mr. Jignesh Patel was the RSO of record. In May 2005, a request was filed with USNRC to designate Mr. Chinmay G. Vyas as the RSO. Mr. Vyas completed his training in April, 2005. (A copy of the credentials of Mr. Vyas and the letter requesting the change of RSO was given to Mr. Craig Gordon during inspection.) Somehow the records were not updated.

**Corrective Steps Taken and results achieved:** Another letter was send out to USNRC on September 8, 2005 requesting Change of Radiation Safety Officer (RSO). Since then, we have received a "postcard" from USNRC that the request has been received. We have further received License Amendment, Control No 137663 from USNRC which informs that Mr. Chinmay G. Vyas, PE is currently designated RSO. Please find attached a copy of the October 4, 2005 dated Docket No. 03036033 Control 137663 letter. Mr. Vyas ensures that every activity is regulated.

**Corrective Steps Taken to avoid further violations:** In order to ensure that we execute the program in full compliance we have assigned Mr. Chinmay Vyas as RSO. Mr. Vyas is a partner of the firm and possesses a Master's Degree in Environmental Engineering.

**Date when full Compliance will be achieved:** The compliance for this violation has been achieved.

TEO7

B. Condition 21 of License No. 19-30738-01 requires, in part, that the licensee conduct its program in accordance with statements, representations, and procedures contained in the application dated May 15, 2002.

1. In Section 10 of the license application, "Radiation Safety Program – Operating and Emergency Procedures," the licensee committed to implementing the criteria of its Radiation Safety Program. The "Transportation" section of the Radiation Safety Program states that, "during transportation, the equipment shall be fully secured in the transportation vehicle and located away from personnel".

Contrary to the above, an individual user drove the vehicle to work locations while the gauge was positioned near the driver inside the truck cab, resulting in elevated radiation exposure for the period April 2003 to June 2003.

This is a Severity IV violation (Supplement VI).

**Reason For Violation:** This violation occurred due to an individual's decision.

**Corrective Steps Taken and results achieved:** The individual was immediately informed not to use Nuclear gauge in that fashion and advised on the importance of keeping maximum distance between the gauge and user. Since then, the individual's badge has been tested regularly and carefully supervised to see if the same mistake is repeated.

**Corrective Steps Taken to avoid further violations:** A training session was scheduled and executed on October 11, 2005 where by North East Technical Services came to our premises and gave full training including HAZMAT and the current regulations have been explained in full depth. We will ensure that the entire staff is trained on a regular basis at time periods more frequently than the 3 year stipulation.

Our RSO has initiated Internal audits and discussions with staff to ensure that every member fully understands the HAZMAT requirements.

Please find attached copies of the training certifications.

**Date when full Compliance will be achieved:** The compliance for this violation has been achieved.

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2. In Section 10 of the license application, "Radiation Safety Program – Survey Instruments," the licensee committed to possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled, "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, dated May 1977, in the event of an incident.

Contrary to the above, the licensee did not possess or have access to and use a radiation survey meter that meets the criteria in NUREG-1556, Vol. 1.

This is a Severity Level IV violation (Supplement VI).

**Reason For Violation:** This violation occurred due to the original survey meter that we had purchased being misplaced. AB Consultants, Inc. had purchased a Survey Meter in 2002. Please find attached a copy of the original Purchase through Troxler and a copy of the check used to pay.

**Corrective Steps Taken and results achieved:** A new survey meter has been purchased on September 9, 2005. Please find attached the receipt of the purchase and the calibration certificate. A program has been implemented to ensure that readings are taken on a regular basis and logged.

**Corrective Steps Taken to avoid further violations:** An audit program is being implemented to ensure that the gauges are continuously monitored.

**Date when full Compliance will be achieved:** The compliance for this violation has been achieved.

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C. 10 CFR 71.5 requires that a licensee who transports licensed material outside of the site of usage, as specified in the NRC license, or where transport is on public highways, or who delivers licensed material to a carrier for transport, comply with the applicable requirements of the regulations appropriate to the mode of transport to the Department of Transportation (DOT) in 49 CFR Parts 170 through 189.

49 CFR 172.702 requires that each hazmat employer shall ensure that each hazmat employee is trained and tested, and that no hazmat employee performs any function subject to the requirements of 49 CFR Parts 171-177 unless trained, in accordance with subpart H of 49 CFR Part 172.

Contrary to the above, during the period between June 2002 and August 2005, the licensee did not provide training for its hazmat employees as required by Subpart H to 49 CFR Part 172. Three employees performed work with licensed gauges without attending hazmat training.

This is a Severity Level IV violation (Supplement IV).

**Reason For Violation/Contention:** AB Consultants, Inc. has always maintained that every employee be properly trained for Nuclear Gauge and HAZMAT training is always provided along with Gauge Training by Troxler, North East Technical Services etc. Some of the certifications were not found during the inspection. Additional certifications of the individual identified by the inspector were mailed at a later date.

**Corrective Steps Taken and results achieved:** We arranged a full training by North East Technical Services on October 11, 2005 for most of the technicians and send one technician to the training by Troxler. This ensures that we currently have everyone

appropriately trained and familiar with the latest regulations. Please find attached the current certifications of all the technicians.

**Corrective Steps Taken to avoid further violations:** RSO will continuously ensure that every employee is properly trained regularly.

**Date when full Compliance will be achieved:** The compliance for this violation has been achieved.

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D. 10 CFR 23.1101(c) requires that the licensee shall periodically (at least annually) review the radiation protection program content and implementation.

Contrary to the above, between June 2002 and August 2005, the licensee did not periodically (at least annually) review the radiation protection program content and implementation at least annually.

This is a Severity Level IV violations (Supplement IV).

**Reason For Violation:** We had periodically monitored the activity, however systematic logs were not filed.

**Corrective Steps Taken and results achieved:** We have conducted an internal audit and established protocol of investigation and focus on the regular leak testing protocols, calibration protocols etc. In order to reinforce the program, we have also hired a consultant "North East Technical Services" and scheduled an annual audit on December 1, 2005. Please find attached a proposal from the consultant attached.


**Corrective Steps Taken to avoid further violations:** Independent and unannounced audits of the program will be conducted.

**Date when full Compliance will be achieved:** The compliance for this violation will be fully achieved by December 9, 2005.

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If you have further questions, please contact this office.

Sincerely,  
AB CONSULTANTS, INC



Amrish A Patel, PE  
President

cc. Regional Administrator, Region I,  
USNRC 475 Allendale Road, King of Prussia, PA 19406

Chinmay G. Vyas, PE – RSO



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

October 4, 2005

Docket No. 03036033  
Control No. 137663

License No. 19-30738-01

Amrish . Patel, P.E.  
President  
AB Consultants, Inc.  
9450 Annapolis Road  
Lanham, MD 20706

SUBJECT: AB CONSULTANTS, INC., LICENSE AMENDMENT, CONTROL NO. 137663

Dear Mr. Patel:

This refers to your license amendment request dated September 8, 2005. Enclosed with this letter is the amended license.

**The amended license is written in accordance with current NRC policy and includes revisions of a few conditions. Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.**

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, industrial, and academic uses of nuclear material**; then **toolkit index page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Sattar Lodhi, Ph.D.  
Senior Health Physicist  
Materials Security and Industrial Branch  
Division of Nuclear Materials Safety

A. Patel  
AB Consultants, Inc.

2

Enclosure:  
Amendment No. 02

cc:  
Chinmay G. Vyas, P.E., Radiation Safety Officer

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p>Licensee</p> <p>1. AB Consultants, Inc.</p> <p>2. 9450 Annapolis Road Lanham, Maryland 20706</p>	<p>In accordance with letter dated September 8, 2005,</p> <p>3. License number 19-30738-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date June 30, 2012</p> <p>5. Docket No. 030-36033 Reference No.</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p> <p>B. Americium 241</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (AEA Technologies Model CDCW556; Isotope Products Laboratories Model HEG 137)</p> <p>B. Sealed Neutron Source (AEA Technologies Model AMNV.997; Isotope Products Laboratories Model Am1.NO2)</p> <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p> <p>B. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p>
<p>9. Authorized use:</p> <p>A. and B. In Troxler Electronic Laboratories Model 3450 portable gauging devices for measuring physical properties of materials.</p>	

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
19-30738-01Docket or Reference Number  
030-36033

Amendment No. 02

**CONDITIONS**

10. Licensed material may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the application dated May 15, 2002.

12. The Radiation Safety Officer for this license is Chinmay G. Vyas, P.E.

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing financial assurance for decommissioning.

14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
- C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
19-30738-01Docket or Reference Number  
030-36033

Amendment No. 02

- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
17. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.
18. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
19. A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.
- B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U.S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.
20. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
19-30738-01Docket or Reference Number  
030-36033

Amendment No. 02

21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated May 15, 2002 (ML021540197)



For the U.S. Nuclear Regulatory Commission

Date October 4, 2005

By

Sattar Lodhi, Ph.D.  
Materials Security and Industrial Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

Tuesday, October 04, 2005 7:45:23 AM

# *Certificate of Completion*

This certifies that

**Himadri Shah**

has successfully completed the

**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*George Marshall*

**George Marshall**

**Instructor**

**10/5/2005**

**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](http://www.troxlerlabs.com)

*Enrollment ID: 15687*

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

**Himadri Shah**

*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.*

**10/5/2005**  
*Training Date*

**10/5/2007**  
*Expiration per IATA\**

**10/5/2008**  
*Expiration per USDOT\**

**George Marshall**  
*Instructor*

*\* For shipments by air, the IATA expiration date is applicable. For shipments by highway, the USDOT expiration is applicable.*



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Phone: (919) 549-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

---

*Certified by*

*Company Official:* \_\_\_\_\_

*Company Name:* \_\_\_\_\_

*Company Address:* \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

*Enrollment ID: 15687*



HUMBOLDT SCIENTIFIC, INC.

RSO Certification

*Fredrick D. King Jr.*

HAS SUCCESSFULLY COMPLETED A CERTIFIED  
RADIATION SAFETY OFFICER COURSE

Subjects included were:

*RSO Duties and Responsibilities*

*Radiation Safety Practices*

*Regulatory Requirements*

*Dose/Shielding Requirements*

*Accidents/Storage*

*Regulatory Guidance (NUREG-1556, Vol. 1)*

*Transportation/HAZMAT Requirements*

*Risk*

*ALARA*

*Radiation Measurement*

*Operating and Emergency Procedures*

*Calibration and Maintenance*

*Record Keeping*

Date of Training: March 6, 2001

Location: Richmond, VA

Certificate Number: 3023

HAZMAT Expiration Date: March 6, 2004

Instructor: Keith Earnshaw

Humboldt Scientific, Inc.

551-D Pylon Drive

Raleigh, NC 27606

# OCHS' Technical Services

HEREBY CERTIFIES THAT

## Frederick D. King II

**HAS SUCCESSFULLY COMPLETED THE REQUIRED RADIOLOGICAL SAFETY  
TRAINING FOR USE OF THE NUCLEAR MOISTURE-DENSITY GAUGE IN  
ACCORDANCE WITH MD STATE AND USNRC REGULATIONS**

Subjects included in this course were as follows: Radiological Safety - principles and practices of radiation protection; leak testing procedures; measurements of radioactivity; biological effects of radiation; monitoring techniques and methods; accident, incident, storage, and transportation procedures; and general safety precautions. Device Operation - instrument theory, operation procedures, leak testing, field operations and gauge calibration.

William D. Ochs, C.E.T.

Instructor

September 19, 1998

Date of Training

Lic. No. MD-05-137-01

NC Reg. No. S 000480

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

KIM-HOU CHAN

of

AB CONSULTANTS, 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

CERTIFICATE #: 095634

  
ALAN D. REYNOLDS  
INSTRUCTOR

6/21/01  
DATE

WILLIAM F. TROXLER, JR  
PRESIDENT

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

BRIAN L HENRY

of

AB CONSULTANTS, 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.                               | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures.  | 6. Accident and incident procedures.  |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage 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          |                      |

CERTIFICATE #: 097520

GEORGE MARSHALL

*George Marshall*  
INSTRUCTOR

2/19/02

DATE

WILLIAM F. TROXLER, JR

PRESIDENT



# OCHS' Technical Services

HEREBY CERTIFIES THAT

## Greg Tony Osude

**HAS SUCCESSFULLY COMPLETED THE REQUIRED RADIOLOGICAL SAFETY  
TRAINING FOR USE OF THE NUCLEAR MOISTURE-DENSITY GAUGE IN  
ACCORDANCE WITH MD & NC STATE, USDOT, AND USNRC REGULATIONS**

Subjects included in this course were as follows: Radiological Safety - principles and practices of radiation protection; leak testing procedures; measurement of radioactivity; biological effects of radiation; monitoring techniques and methods; accident, incident, storage, US DOT transportation procedures, and safety precautions. Device Operation - measurement theory, gauge operation, leak testing, field operations, gauge calibration, and routine maintenance.

William D. Ochs, C.E.T.

Instructor

V3R1

April 26, 2003

Date of Training

Lic. No. MD-05-137-01

NC Reg. No. S 000480

[illegible]**NAME**

**TRAINING DATE**

Training materials used are part of the Troxler Electronic Laboratories, Inc. Nuclear Gauge Safety Training Program. Topics covered apply to recognition, labeling, preparation for transport, transportation, regulatory compliance, emergency response, personal protection, and accident avoidance only as they apply to radioactive White I and Yellow II portable gauging devices.

**TROXLER ELECTRONIC LABORATORIES, INC.**  
**3008 CORNWALLIS ROAD**  
**P.O. BOX 12057**  
**RESEARCH TRIANGLE PARK, NC 27709**

**INSTRUCTOR**

I hereby certify that the above named employee has been properly trained and tested in accordance with the requirements of 49CFR172,subpart H.

**5/30/05**

**EXPIRATION DATE**

**COMPANY OFFICIAL**

## COMPANY AND ADDRESS



# *Certificate of Completion*

This certifies that

**Jignesh Sheth**

has successfully completed the

**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*Harvey Dunlevy*

Harvey Dunlevy  
Instructor

9/9/2003

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](http://www.troxlerlabs.com)

Enrollment ID: 5450

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

BRIAN L HENRY

of

AB CONSULTANTS, 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.                               | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures.  | 6. Accident and incident procedures.  |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear waste storage 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          |                      |

CERTIFICATE #: 097520

GEORGE MARSHALL

*George Marshall*  
INSTRUCTOR

2/19/02

DATE

WILLIAM F. TROXLER, JR

PRESIDENT

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

PATEL JIGNESH

of

AB CONSULTANTS, 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.                               | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
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| 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          |                      |

CERTIFICATE #: 097521

GEORGE MARSHALL

*George Marshall*  
INSTRUCTOR

2/19/02

DATE

WILLIAM F. TROXLER, JR

PRESIDENT

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

PATEL JIGNESH

of

AB CONSULTANTS, 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.                               | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
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| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage 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          |                      |

CERTIFICATE #: 097521

GEORGE MARSHALL  
*George Marshall*  
INSTRUCTOR

2/19/02  
DATE

WILLIAM F. TROXLER, JR  
PRESIDENT

# *Certificate of Completion*

This certifies that

**Dinesh Pal Singh**

has successfully completed the

**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*Harvey Dunlevy*

Harvey Dunlevy  
Instructor

9/9/2003

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](http://www.troxlerlabs.com)

*Enrollment ID: 5451*

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

**Dinesh Pal Singh**

*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, and safety training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.*

**9/9/2003**  
*Training Date*

**9/9/2005**  
*Expiration per IATA\**

**9/9/2006**  
*Expiration per USDOT\**

**Harvey Dunlevy**  
*Instructor*

*\* For shipments by air, the IATA expiration date is applicable. For shipments by highway, the USDOT expiration is applicable.*



**Troxler Electronic Laboratories, Inc.**

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Phone: (919) 549-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

---

*Certified by*

*Company Official:* \_\_\_\_\_

*Company Name:* \_\_\_\_\_

*Company Address:* \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

*Enrollment ID: 5451*



# *Certificate of Completion*

This certifies that

**Maqbool Raja**

has successfully completed the

**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*Harvey Demery*  
Harvey Demery

Instructor

9/9/2003

Date

*William F. Troxler, Jr.*  
President



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

Enrollment ID: 5449

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

**Maqbool Raja**

*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, and safety training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.*

**9/9/2003**  
*Training Date*

**9/9/2005**  
*Expiration per IATA\**

**9/9/2006**  
*Expiration per USDOT\**

**Harvey Dunlevy**  
*Instructor*

*\* For shipments by air, the IATA expiration date is applicable. For shipments by highway, the USDOT expiration is applicable.*



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Phone: (919) 549-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

---

*Certified by*

*Company Official:* \_\_\_\_\_

*Company Name:* \_\_\_\_\_

*Company Address:* \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

*Enrollment ID: 5449*

# *Certificate of Completion*

This certifies that

**Chinmay G Vyas**

has successfully completed the

**Radiation Safety Officer Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*



*Harvey Dunlevy*

Harvey Dunlevy  
Instructor

4/21/2005  
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](http://www.troxlerlabs.com)

Enrollment ID: 12666

# *Certificate of Completion*

This certifies that

**Chinmay Vyas**

has successfully completed the

**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

**George Marshall**

**Instructor**

**10/7/04**

**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](http://www.troxlerlabs.com)

*Enrollment ID: 10329*

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

**Chinmay G Vyas**

*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.*

**4/21/2005**  
*Training Date*

**4/21/2007**  
*Expiration per IATA\**

**4/21/2008**  
*Expiration per USDOT\**

**Harvey Dunlevy**  
*Instructor*

*\* For shipments by air, the IATA expiration date is applicable. For shipments by highway, the USDOT expiration is applicable.*



**Troxler Electronic Laboratories, Inc.**

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Phone: (919) 549-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

---

*Certified by*

*Company Official:* \_\_\_\_\_

*Company Name:* \_\_\_\_\_

*Company Address:* \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

*Enrollment ID: 12666*



**North East Technical Services, Inc.**  
Certifies that

*Harshad Patel*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*Shashikant Patel*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005

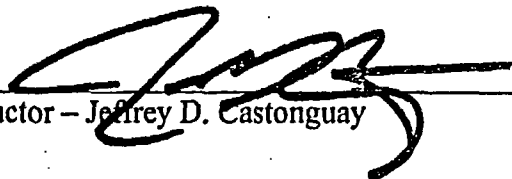


**North East Technical Services, Inc.**  
Certifies that

*Solomon Akalin*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005





**North East Technical Services, Inc.**  
Certifies that

*Magbool Raja*  
AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*John Chavez*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*Sanjay Patel*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



North East Technical Services, Inc.  
Certifies that

*Viren Raval*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



North East Technical Services, Inc.  
Certifies that

*Ambrosia Jimenez*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005

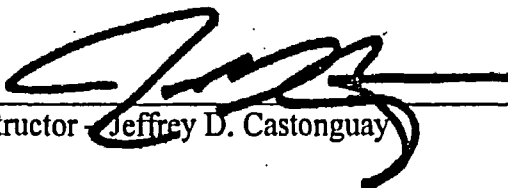


**North East Technical Services, Inc.**  
Certifies that

*Jerie Refugia*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor Jeffrey D. Castonguay

Date of Training: October 11, 2005





**North East Technical Services, Inc.**  
Certifies that

*Ganesh Dhakal*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*Jignesh Patel*

AB CONSULTANTS, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005





**North East Technical Services, Inc.**  
Certifies that

*William Phillips*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*John Gilleland*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**

Certifies that

*Greg Staley*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



North East Technical Services, Inc.  
Certifies that

*James Clau*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Gastonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*Sam Eyler*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Gastonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**

Certifies that

*James Hilderbrand*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005





**North East Technical Services, Inc.**  
Certifies that

*Jim Caudrick*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005



**North East Technical Services, Inc.**  
Certifies that

*Devendra Patel*

AB CONSTRUCTION, INC

Has successfully completed the required radiological safety training for use of nuclear moisture density gauge in accordance with regulations set forth by the Maryland Department of the Environment and the Nuclear Regulatory Commission. Also has successfully completed training in accordance with policies set forth by the following rules and regulations governing Hazmat training requirements: 49CFR subpart H and IATA 1.5.2. Person listed above has demonstrated a thorough understanding of all aspects needed for transportation and specific emphasis was placed on portable nuclear density gauges. A closed book examination was administered and a passing score was achieved. Subjects included in this course were as follows: Radiological Safety – principles and practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effects of radiation, incident, storage, ALARA and emergency procedures. Class meets Agreement State and NRC regulations in accordance with license number MD-1-020-01.

  
Instructor – Jeffrey D. Castonguay

Date of Training: October 11, 2005





# TROXLER

## INVOICE

INVOICE PAGE

96876

1

Troxler Electronic Laboratories, Inc.  
3008 Cornwallis Road, P.O. Box 12057, Research Triangle Park North Carolina, 27709, U.S.A.

Phone: 919/549-8661 Fax: 919/549-0761

SHIP TO

AB CONSULTANTS, INC  
9450 ANNAPOLIS ROAD  
LANHAM MD 20706  
USA

SOLD TO

AB CONSULTANTS, INC  
9450 ANNAPOLIS ROAD  
LANHAM MD 20706  
USA

DATE 1/11/19

DUE ON 1/12/19

EXPORT

CURRENCY

N

TERMS

NET 30 DAYS

FEDERAL TAX I.D.

FEIN 56-0753744

CUSTOMER ACCOUNT NO. OUR ORDER NO. SLS. REP. CUSTOMER PURCHASE ORDER NO. P.O. REV.

1 1467700

CO1115712

3205

CHAN KIM

ed

SHIP NO.

SHIP VIA

SHIP DATE

SHIP WEIGHT

89103

FEDX 2DAY

1/11/16

.000 EA

LINE NO. ITEM NUMBER / DESCRIPTION U/M QUANTITY / PRICE NET SALES AMOUNT

Carrier . . : Federal Express  
Attn: KIM-HOU CHAN  
Tel#: 301-306-3091  
Fax#: 301-306-3092

109661  
TROXLER SURVEY METER S/N\_\_\_\_\_

EA

1.000  
386.000

386.00

FEDERAL EXPRESS

6.44

MARYLAND SALES TAX

19.30

NET SALES - 386.00

SC. CHARGES .00

EIGHT 6.44

LES TAXES 19.30

After 30 days a FINANCE CHARGE  
computed at the rate of 11 1/2% per month  
which is an ANNUAL PERCENTAGE RATE  
OF 18% (or such lower rate as state laws  
allow) will be applied to the remaining  
balance.

.00

.00

ORDER  
TOTAL

411.74

CUSTOMER

TROXLER

Date	Type	Reference
11/26/01	Bill	
11/30/01	Bill	
12/14/01	Bill	20777
01/17/02	Bill	

Original Amt.	Balance Due	2/5/2002 Discount	Payment
411.74	411.74		411.74
33.22	33.22		33.22
175.60	175.60		175.60
103.96	103.96		103.96
	Check Amount		724.52

2901

BOA - Checking

724.52

PRODUCT 8209 USE WITH 8378 DU-G-VUE ENVELOPE.  
NEBS INC. TO REORDER: 1-800-225-6380 OR www.nebs.com

89103 FEDX 2DAY

LINE NO.	ITEM NUMBER / DESCRIPTION	U/M	QUANTITY / PRICE	NET SALES AMOUNT
	Carrier . . : Federal Express Attn: KIM-HOU CHAN Tel#: 301-306-3091 Fax#: 301-306-3092			
	109661 TROXLER SURVEY METER S/N_____	EA	1.000 386.000	386.00
	FEDERAL EXPRESS			6.44
	MARYLAND SALES TAX			19.30

SALES	386.00
CHARGES	00
HT	6.44
TAXES	19.30

After 30 days a FINANCE CHARGE  
computed at the rate of 1 1/2% per month  
which is an ANNUAL PERCENTAGE RATE  
OF 18% (or such lower rate as state laws  
allow) will be applied to the remaining  
balance.

ORDER

REC: 9/13/05 EV

Packing List - Pro Forma

Page 1  
5/09/09 13:38:17

Shipped From:

Company . . : 1 TROXLER ELECT.  
Warehouse . . : N RESEARCH TRIANGLE PARK

Ship to:

AB CONSULTANTS, INC  
9450 ANNAPOLIS ROAD  
LANHAM MD 20706  
USA

Carrier/Pro Number	Truck/trailer number	Gross Weight	U/M EA
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Order information:

C01509648 5/09/09 AB CONSULTANTS, INC

P.O. information:

CHINMAY CW

Transport terms . . . . . :

Shipping instructions . . : FEDEX 2DAY/PP&A

Attn: CHINMAY

Tel#: 301-306-3091 EXT:22

Fax#: 301-306-3092

Item number	Item description	Quantity U/M
109661	TROXLER SURVEY METER S/N_____	1.000 EA

Serial numbers:

\*\* END OF REPORT \*\*

Troxler Electronic Laboratories, Inc.  
3008 Cornwallis Road - P.O. Box 12057  
Research Triangle Park, NC 27709  
(919)549-8661 FAX: (919)485-2229

CALIBRATION CERTIFICATE

Model: TroxAlert

Serial Number: 13641

R.O.#: 9999999

Calibration Source: Cs-137

Source Serial Number: S564

Calibration Energy: 662KeV

Source Distance: 59.6 cm.

Instrument Scale	Delivered (mrem/hr)	Measured (mrem/hr)	Correction Factor*
0 - 1.0	0.2	.20	.94
	0.8	.90	
1.0 - 10	2.0	1.6	1.06
	8.0	9.0	
10 - 100	20	16	1.06
	80	90	

\*Correction Factor = Delivered/Measured

Calibrated to accuracy of +/- 20 percent using calibration standards traceable to the National Institute for Standards and Technology. Troxler is authorized to calibrate survey instruments under North Carolina license number 032-0182-1.

Calibration Date: 09/01/2005

Next Calibration Due: 09/01/2006

Calibrated by: W.PASCHALL

Initials: WP



NORTH EAST TECHNICAL SERVICES

75 Aileron Court, Suite 4  
Westminster, MD 21157  
(410) 751-5090  
(410) 751-5091 Fax  
1-866-868-2382 Toll Free

November 11, 2005

AB Consulting, Inc.  
9456 Annapolis Road  
Lanham, MD 20706  
Chinmay Vyas

Re: Radiation Program Audit

Dear Mr Vyas;

In response to your request, North East Technical Services, Inc. (NETS) is pleased to submit this proposal for providing a radiation program audit of your radiation program in accordance with 10 CFR 20.1101(c) at your office location. Our services would include a full radiation program audit, review of your most current license, review of training files, review of your radiation program, leak test and general upkeep procedures, storage, and transportation of portable moisture density gauges.

We propose to perform this audit at your office location on December 1, 2005 for the lump sum of \$450.00. This lump sum fee includes one visit to your office, four to five hours on site for review, travel time and mileage.

Please note that your program files need to be fully available and that your gauges are present for leak testing upon my arrival on December 1, 2005.

**Payment Terms:**

Invoices will be billed out at the completion of the audit. Payments will be required to be received within 30 days of date of invoice. A late fee of 1.5% per month charge will be assessed for payments received more than 30 days from the date of invoice. A discount of 5% from the total amount will be applied if paid in full on the day of the audit.

Thank you choosing North East Technical Services, Inc. for your consulting needs and we look forward to working with you again.

Sincerely,



Jeffrey D. Castonguay, Training Manager  
North East Technical Services, Inc.

**Proposal Acceptance Information:**

Company:	_____
Billing Address:	_____
Billing Address:	_____
Contact Name:	_____
Position:	_____
Phone Number:	_____
Fax Number:	_____
Signature:	_____

Attachments: General Terms and Conditions