

ATEC Associates, Inc.



of Virginia
7611 Sewells Point Road/Norfolk, Virginia 23513-4692
Phone 804-583-1557

Applicant... 1654
Check No... 1654
Amount/Fee Category... \$120/3P
Type of Fee... Renewal
Date Check Received... 5/17/85
Received By... Brown

Corporate Office:
Indianapolis, IN

Offices:
Atlanta, GA
Baltimore, MD
Birmingham, AL
Chicago, IL
Cincinnati, OH
Dallas, TX
Dayton, OH
Denver, CO
Destin, FL
Gary, IN
Harrisburg, PA
Huntsville, AL
Lexington, KY
Louisville, KY
Newport, NC
Raleigh, NC
Salisbury, MD
Savannah, GA
Washington, DC

Affiliates:
Alexandria, VA
Norfolk, VA

May 9, 1985

U.S. Nuclear Regulatory Commission, Region II
Material Radiation Protection Section
101 Marietta Street, Suite 2900
Atlanta, Georgia 30323

Re: License Renewal, license # 45-16546-01
Expiration Date: 06/30/85

Gentlemen:

It is our intention to renew the referenced license. In accordance with the provisions of your notice of expiration dated April 1, 1985, we elect to file for renewal under the simplified alternative outlined in the notice. Here follows an item-by-item description of the pertinent data:

Item 1 Our current license, through Amendment No. 3, accurately lists the correct radionuclides, their physical form, and maximum quantities (license item 6). License item 7, authorized use, is also correct as shown on the current license.

Item 2 We have reviewed the documents we have submitted in the past, and have identified the following as being up-to-date and accurate:

- a) Amendment No. 3, as modified by:
- b) Amendment No. 4 (which references our April 18, 1980 application, and letters dated May 27, 1980, and February 21, 1984.
- c) NRC report #45-16546-01/84-01 from your January 12, 1984 inspection, and particularly our letter of February 23, 1984.
- d) Finally, your letter of March 21, 1984, our response dated March 27, 1984, and your response dated April 11, 1984.

Concerning our Radiation Safety Procedures, we have appointed Martin W. Lovin and James W. Lovin as Assistant Radiation Safety Officers. Both men have been formally trained by Troxler Electronics, the manufacturers of our gauges, as well as having been familiarized with our in-house safety program. Their duties include keeping the dosimetry program accurate and current, as well as performing the minor maintenance services allowed.

RECEIVED BY LFMD

Date... 5/17/85

Log... May 17

By... Brown

Trig To...

When Com... 5/21/85

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REG2 LIC30
45-16546-01 PDR

May 9, 1985
Page 2

- Item 3 Our review of NRC regulations indicates no changes required in our program.
- Item 4 This letter (submitted in duplicate) is accompanied by our check for the renewal fee. We do hereby request that we may continue to operate in accordance with NRC regulations, license conditions, and documents listed in item 2 (above).
- Item 5 Not applicable
- Item 6 The individual to contact concerning this renewal application is Peter A. Lipphardt, who may be reached at:

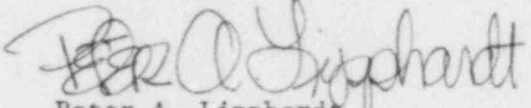
Atec Associates of Virginia, Inc.
7611 Sewells Point Road
Norfolk, Virginia 23413

Telephone No. (804) 583-1557

Thank you for your consideration in this matter.

Very truly yours,

ATEC ASSOCIATES OF VIRGINIA, INC.


Peter A. Lipphardt
Director of Technical Services
Radiation Safety Officer

ATEC Associates, Inc.



of Virginia, Inc.
7611 Sewells Point Road/Norfolk, Virginia 23513
Phone 804-583-1557

February 21, 1984

U.S. Nuclear Regulatory Commission-Region 2
Radiation Protection Section
101 Marietta Street, N.W.
Suite 2900
Atlanta, Georgia 30303

✓ Attention: Mr Paul Guinn

Re: By product Material License Amendments
License #45-16546-01

Corporate Office:
Indianapolis, IN

District Offices:
Atlanta, GA
Baltimore, MD
Birmingham, AL
Chicago, IL
Cincinnati, OH
Dallas, TX
Denver, CO
Fort Myers, FL
Freeport, TX
Griffith, IN
Houston, TX
Huntsville, AL
Lexington, KY
Louisville, KY
Salisbury, MD
Savannah, GA
Washington, DC
York, PA

District Affiliates:
Beckley, WV
Norfolk, VA

Gentlemen:

It is our desire to amend the referenced Materials License as follows:

Item 12: "Licensed material shall be used only by individuals who have successfully completed the Radiation Safety and Operation Training Course conducted by the manufacturer of the gauges (Troxler Electronics Laboratories, Inc.).

Item 16: Change May 27, 1980 to February 21, 1984

In addition, submitted herewith is our amended "Policies, Precautions, and Procedures Pertaining to Nuclear Gauges", and a sketch showing the new storage facility.

Please contact us with any questions you may have.

Very truly yours,

ATEC ASSOCIATES OF VIRGINIA, INC.

Peter A. Lipphardt
Peter A. Lipphardt
Radiation Safety Officer

PAL/cd

RECEIVED

Date

Leg

By

Orig To

Action Comp

3/2/84
March 1st
Brown

3/2/84

Applicant: 117/
Check No. #40-3L
Amend
3/2/84
Brown

50158

1958-1983 25th Year

Thank You For Your Patronage

Consulting Geotechnical & Materials Engineers

~~8405474384~~

February 21, 1984

ADDENDA TO STANDARD OPERATING PROCEDURES

To: Atec Associates of Virginia, Inc. Technical Personnel

Re: Policies, Precautions and Procedures pertaining to Nuclear Gauges

I. Gauge Transportation to and from jobsite:

When removing a gauge from the office for field use, padlock on source rod (in "safe" position) is to be left locked. When transporting the gauge to jobsite in the Tidewater, Virginia area, the gauge may be placed in the cab of the vehicle. When the gauge is transported to a distant site, the gauge must be placed in the carrying case, and secured in the bed or trunk of the vehicle. In inclement weather the gauge should be carried in a covered vehicle. The presence of any moisture is detrimental to the scaler unit.

II. Prevention of Unauthorized Use or Removal of Gauge in the Field:

The nuclear gauge is to be padlocked in "safe" position whenever it is not in use. The gauge must not be left unattended in the field. If you are finished with the gauge, but your presence is still required on the site, you may lock the gauge in the cab of the pickup, as long as you can park the locked vehicle adjacent to your work area and maintain surveillance of said vehicle.

III. Storage Vault:

There are 3 keys which will open the metal fire door on the storage vault. They are kept by Peter A. Lipphardt (Radiation Safety Officer), Bonlee Wingler (Assistant R.S.O.), and R.E. Dubbe' (Branch Manager). When you need to use a gauge, the vault must be unlocked by one of the officers listed above. You must log gauge use and sign the entry. Vault keys are stamped "do not copy". Immediately after removing or replacing a gauge in the vault, the officer will relock the door.

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IV. Emergency Procedures - Accident or Loss:

The Radiation Safety Officer (Peter A. Lipphardt) must be notified immediately regarding any accident involving a nuclear gauge, or loss of a gauge. There is a set procedure for the handling such incidents, but each occurrence will be treated by the R.S.O. in accordance with its characteristics. Your prime responsibility will be to immediately notify the R.S.O. In the case of damage to the gauge which results in exposure of a source you will, as a matter of policy, keep others away from the possibly contaminated area and/or objects. After initially contacting the R.S.O. maintain a line of communication until relieved of responsibility by the R.S.O., police, state or NRC officials. According to the manufacturer, no incidents involving gauges similar to ours have resulted in dangerous radiation; however, treat all exposed source capsules and sheared rods as "HOT" and hazardous. In case of accident or loss, contact one of the following (in order of priority):

<u>Name</u>	<u>Phone #</u>
Peter A. Lipphardt (R.S.O.)	(804) 583-1557 (Office) (804) 588-7670 (Home)
R. E. Dubbe' (Branch Manager)	(804) 583-1557 (Office) (804) 497-6797 (Home)
Bonlee Wingler (Ass't R.S.O.)	(804) 583-1557 (Office) (804) 855-8769 (Home)

The whereabouts of at least one of the above is known at all times by the Office Manager, Charlotte Doom

(804) 583-1557 (Office)
(804) 857-1594 (Home)

V. Gauge Maintenance:

The only maintenance our license with the NRC allows us is cosmetic (i.e. brushing of base plate and gauge housing). No one is to remove the source rod from the gauge. Removal of the scaler unit is acceptable, and has been necessary in the past for wipe tests, blow drying to remove condensation, and occasionally for replacement of accessible scaler components. All other maintenance (lubrication and cleaning of source rod bearings and shield shutter) is done by the manufacturer. It is possible for us to apply for permission to perform some of the necessary maintenance, however, we do not intend to do so in the near future.

This memo summarizes topics discussed in our seminars, but has been required by the NRC in written form in order that they may process future applications for license renewal. A copy is posted in the clean soils lab area with the NRC bulletins and requirements. In addition, each of you is to keep copy with your gauge data sheets and instructions.

Peter A. Lipphardt
Radiation Safety Officer

Atec Associates

Geotechnical and Materials Engineers

CLIENT

FILE NUMBER

SHEET

OF

DATE

COMPUTED BY

CHECKED BY

PROJECT

ATEC ASSOCIATES OF VA, INC.

7611 SEWELLS POINT ROAD NORFOLK, VA.

23513

1 OF 1
2/21/84

PAL

ADMIN. OFFICES

MEN'S
LAVATORY

GAUGE
STORAGE
VAULT

METAL
FIRE DOOR

8'x8'x16"
MASONRY

SINK/CABINET

SOILS LAB
WORK STATIONS

STORAGE AREA
W/STYROFOAM
BATT INSULATION
ON WALLS

LAB OFFICE

1"=4'

1/4"=1'