



# Geo-Tech Associates

CONSULTING ENGINEERS  
TESTING LABORATORIES

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NEW YORK, NEW YORK 10012  
(212) 228-3239  
POST OFFICE BOX 211  
LONG POND, PA. 18334  
(717) 646-8379

43 SOUTH AVENUE, P.O. BOX 129, FANWOOD, NEW JERSEY 07023 (201) 232-2008

June 16, 1987

John Glen  
USNRC, Region I  
631 Park Avenue  
King of Prussia, PA 19406

Attention: Materials Licensing Section B  
John Glen

Gentlemen:

In response to a recent request made by Mr. Stephen Courtemanche regarding the subject project, a search of our files has found a draft copy of a letter dated August 19, 1985, which was prepared and mailed to the Nuclear Regulatory Commission.

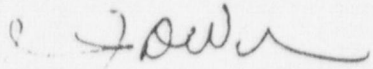
Regarding the Porter and Ripa Associates Nuclear-Chicago Model P 21 Surface Moisture Probe, the unit which has been stored by this office since 1978 is still in storage. Attempts to locate former principals of Porter and Ripa Associates, Inc. responsible for the meter have been unsuccessful.

Your office has requested that we apply for permit to house the unit at our office and include a fee of \$60.00 for registration.

Accordingly we submit to you a check for \$60.00, as well as a copy of a certificate which provides the description of the nuclear source and request that the unit be registered as appropriate.

Very truly yours,

GEO-TECH ASSOCIATES, INC.

  
Carmin J. De Vito, P.E.  
President

CJDV:bs  
encl.

8708310186 870827  
REG1 LIC30  
29-18205-02 PDR

August 19, 1985

Nuclear Regulatory Commission  
Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Attention: Mr. Joseph O. Bunting, Jr., Chief  
Policy and Program Control Branch  
Division of Waste Management  
Office of Nuclear Material  
Safety and Safeguards

Subject: Dock No. 030-20693  
License No. 29-18205-02  
EA 85-83

Gentlemen:

We have followed through on a number of items.  
These are:

A&B Mr. Carmin J. De Vito and Alfonso Farruggia have completed and passed a course in the use and handling of the densometer. Enclosed are copies of certificates confirming this.

Mr. James Lewis, also an employee of Geo-Tech Associates, has obtained the requisite training in the use of the densometer, and safety requirements, during practical experience and working with Mr. Farruggia and Mr. De Vito.

C-1 Two special carrying cases (identified as "Type A") have been purchased and are currently being used to store the nuclear densometers during our day to day work.

C-2 Shipping papers have been prepared and are now accompanying the densometers.

C-3 The labels describing the "Radioactive Materials" are attached to the equipment.

Nuclear Regulatory Commission

August 19, 1985

- 2 -

- D. The sealed sources have indicated no removable activity.
- E. A physical inventory of all sealed sources has been made and all the sealed sources which Geo-Tech Associates owns have been accounted for.

We trust that this information is sufficient for the updating of our application. If there are any questions, please contact me.

Very truly yours,

GEO-TECH ASSOCIATES INC.

Carmin J. De Vito, P.E.  
President

CJDV:bs  
encl.



PORTER and RIPA ASSOCIATES, INC.

672 ROUTES 202-206N

P. O. BOX 6785

BRIDGEWATER, NEW JERSEY 08807

August 23, 1978

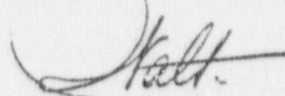
Mr. Norman Geuder  
Geo-Tech Associates  
43 South Avenue  
Fanwood, New Jersey 07023

Dear Mr. Geuder:

We are forwarding the enclosed certificate for your future reference.

Sincerely,

Porter and Ripa Associates, Inc.



Walter J. Miller  
Secretary/Treasurer

WJM/ad

P. S. Pat would like to see this also. Thanks!

AUG 25 1978

BRP-25  
July 70

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
P. O. Box 1390, Trenton, New Jersey 08625

APPLICATION FOR RADIOACTIVE MATERIALS LICENSE

INSTRUCTIONS - Complete items 1 through 16 if this is an initial application. If application is for renewal of a license, complete only items 1 through 7 and indicate new information or changes in the program as requested in items 8 through 15. Use supplemental sheets where necessary. Item 16 must be completed on all applications. Mail two copies to: NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION, P.O. Box 1390, TRENTON, N.J. 08625. Upon approval of an application, the applicant will receive a Radioactive Materials License issued pursuant to statutory and implementing regulatory authority and subject to all applicable rules, regulations and orders of all appropriate regulatory agencies now or hereafter in effect and to any conditions specified in the license. Complete all items - Consult Guide.

1. (a) NAME AND STREET ADDRESS OF APPLICANT. (Institution, firm, hospital, person, etc.) <b>Porter And Ripa Associates, Inc. 200 Madison Avenue Morristown, New Jersey 07980</b>		(b) STREET ADDRESS(ES) AT WHICH RADIOACTIVE MATERIAL WILL BE USED. (Include all addresses) <b>Office of the corporation as given in (1) and temporary job sites throughout the State of New Jersey</b>	
2. DEPARTMENT(S) TO USE RADIOACTIVE MATERIAL  <b>* Soils Testing Division</b>  <b>(*Equipment presently out of service per letter of 2/19/76)</b>		4. (a) PRINCIPAL USER(S). (Name and title of individual(s) who will use or directly supervise use of radioactive materials. State training and experience in items 8 and 9.)  <b>John O'Leary Kenneth Greenfield</b>	
3. PREVIOUS LICENSE NUMBERS AND ISSUING AGENCY. (If you have ever been denied a license or if your license has ever been revoked or suspended, describe details on an additional sheet. If this is a renewal, please indicate and state license number.)  <b>Renewal previous license No. NJSL10107</b>		4. (b) OTHER USER(S). (Name and title of individual(s) who will assume responsibility in absence of those named in 4. (a). State training and experience in items 8 and 9.)	
5. RADIATION SAFETY OFFICER (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in items 8 and 9.)  <b>Michael J. Dillon, P.E. License - N.J.</b>			
6. (a) RADIOACTIVE MATERIALS. (Elements and mass number of each.)  <b>Radium 226</b>		(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM AMOUNT OF EACH CHEMICAL AND/OR PHYSICAL FORM THAT YOU WILL POSSESS AT ANY TIME. (If sealed source(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)  <b>Nuclear-Chicago Model P21 Surface Moisture Probe with a 5 millicuries radium-beryllium sealed source.</b>	
7. DESCRIBE PURPOSE FOR WHICH RADIOACTIVE MATERIALS WILL BE USED. (If radioactive material is for "human use", form RH-25A must be completed in lieu of this item. If radioactive material is in the form of a sealed source, include the make and model number of the storage container and/or device in which the source will be stored and/or used.) <b>The purpose of the Model P21 Surface Moisture Probe is to measure the density of the medium into which the probe is placed by using a gamma ray scattering technique.</b>			

AUG 25 1970



## TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEMS 4 AND 5 (Use supplemental sheets if necessary)

8. TYPE OF TRAINING	LOCATION OF TRAINING AND INSTRUCTOR(S)	DURATION OF TRAINING	ON THE JOB (Circle answer)	FORMAL COURSE (Circle answer)
a. Principles and practices of radiation protection . . . . .	Our personnel are familiar with the Nuclear-Chicago Book for the Moisture and Density Gauges and understand the Health and Physics and radiation precautions to be followed in its use and storage.		Yes No	Yes No
b. Radioactivity measurement standardization and monitoring techniques and instruments . . . . .			Yes No	Yes No
c. Mathematics and calculations basic to the use and measurement of radioactivity . . . . .			Yes No	Yes No
d. Biological effects of radiation . . . . .			Yes No	Yes No

## 9. EXPERIENCE WITH RADIATION. (Actual use of radioactive materials or equivalent experience)

RADIOACTIVE MATERIALS	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED AND INSTRUCTOR(S)	DURATION OF EXPERIENCE	TYPE OF USE
Radium 226	Sealed source not to exceed 5 millicuries	Equipment has been in use by our personnel since 1963.		Measuring density of medium

## 10. RADIATION DETECTION INSTRUMENTS. (Use supplemental sheets if necessary.)

TYPE OF INSTRUMENTS (Include make and model number of each)	NUMBER AVAILABLE	RADIATION DETECTED	SENSITIVITY RANGE (mr/hr)	WINDOW THICKNESS (mg/cm <sup>2</sup> )	USE (Monitoring, surveying, measuring)
These gauges act as their own radiation monitors. The Count-rate in the standardizing position is a sensitive indicator as to the presence and the strength of the source. Standardizing is done each day before the gauge is used and a continuous check on the source is made.					

## 11. METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED ABOVE.

See Item 10 above

## 12. FILM BADGES, DOSIMETERS, AND BIO-ASSAY PROCEDURES USED (For film badges, specify method of calibrating and processing, or name of supplier)

Film badge service from Landauer Inc. is <sup>used</sup> ~~used~~ when equipment is in service.

## INFORMATION TO BE SUBMITTED ON ADDITIONAL SHEETS

13. FACILITIES AND EQUIPMENT. Describe laboratory facilities and remote handling equipment, storage containers, shielding, fume hoods, etc., including specific locations. Explanatory sketch of facility is attached. (Circle answer) YES NO

14. RADIATION PROTECTION PROGRAM. Describe the radiation protection program including control measures, if application covers sealed sources, submit leak testing procedures where applicable, name, training, and experience of person to perform leak tests, and arrangements for performing initial radiation survey, servicing, maintenance and repair of the source.

15. WASTE DISPOSAL. If a commercial waste disposal service is employed, specify name of company. Otherwise submit detailed description of methods which will be used for disposing of radioactive wastes and estimates of the type and amount of activity involved.

## CERTIFICATE (This item must be completed by applicant)

16. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE APPLICANT NAMED IN ITEM 1. CERTIFY THAT ALL INFORMATION CONTAINED IN THIS APPLICATION, INCLUDING ANY SUPPLEMENTS ATTACHED HERETO, IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.

Porter And Ripa Associates, Inc.

Applicant named in Item 1.

BY: Michael J. DillonDate June 30, 1976

Vice President

Title of certifying official

AUG 15 1985

Docket No. 030-20693  
License No. 29-18205-02  
EA 85-83

Geo-Tech Associates/Geo-Tech Laboratories  
ATTN: Carmen DeVito  
President  
43 South Avenue  
Fanwood, New Jersey 07023

Gentlemen:

Subject: NOTICE OF VIOLATION (NRC INSPECTION NO. 030-20693/85-01)

This refers to the NRC inspection conducted on June 26 and July 3, 1985 at your facility in Fanwood, New Jersey, of activities authorized by NRC License No. 29-18205-02. The report of the inspection was forwarded to you on July 18, 1985. During the inspection, eight violations of NRC requirements were identified. One of the violations involved the unsupervised performance of licensed activities by individuals not named in and, therefore, not authorized by the license. The individuals were not technically qualified to be authorized as users of the gauge. On July 19, 1985, Mr. James Joyner and other members of my staff conducted a telephone enforcement conference with you to discuss the violations, their causes, and your corrective actions.

The violation involving the use of licensed material by unauthorized individuals has been classified at Severity Level III in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1985). The violation is of concern to the NRC because the individuals did not possess sufficient knowledge of appropriate safety requirements and required procedures. Normally, a civil penalty is proposed for a Severity Level III violation. However, after consultation with the Director, Office of Inspection and Enforcement, I have decided that a civil penalty will not be proposed in this case because of your corrective actions and the fact that this was your first offense.

You are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. In your response, you should also document the corrective actions described during the enforcement conference and any additional actions you plan to prevent recurrence. Your reply to this letter and the results of future inspections will be considered in determining whether future enforcement action is appropriate.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosure will be placed in the NRC's Public Document Room.

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The responses directed by this letter and the enclosed Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

Sincerely,

**Original signed by**

**Thomas E. Murley,**

Thomas E. Murley

Regional Administrator

Enclosure: Notice of Violation

cc w/encl:

Public Document Room

Nuclear Safety Information Center (NSIC)

State of New Jersey



AUG 12 1986

Docket No. 030-14748  
Inquiry No. 86-01

License No. 29-11488-02  
Expiration Date: September 30, 1983

Geo-Tech Associates  
ATTN: Mr. Carmin DeVito  
President  
43 South Avenue  
Lanwood, New Jersey 07023

Mr. DeVito:

Subject: Inquiry 86-01 (Porter and Ripa Associates, Inc.)

This refers to the numerous telephone conversations between Marlene J. Taylor of this office and yourself. The subject of the discussions was that you are in possession of a Nuclear-Chicago Density Gauge which belongs to Porter and Ripa Associates, Inc. License No. 29-11488-02 which authorized Porter and Ripa Associates, Inc. to possess the radioactive material contained in the Nuclear Chicago gauge expired on September 30, 1983 and no renewal application has been filed in accordance with section 30.37 of Title 10, Code of Federal Regulations, Part 30.

It is our understanding that your attempts to contact Porter and Ripa Associates, Inc. have been unsuccessful. We have also attempted to contact Porter and Ripa without success. Therefore, you must take one of the following actions:

1. Incorporate the Nuclear-Chicago gauge under your NRC license and assume responsibility for it. If need be your license must be amended to authorize the acquisition; or,
2. Dispose of the gauge in accordance with NRC regulations.

You are required to reply to this Notice within 30 days of the date above and explain the actions you plan to correct this problem. Address your reply to Region I, U.S. Nuclear Regulatory Commission, Attention: Chief, Nuclear Materials Section A, 631 Park Avenue, King of Prussia, Pennsylvania 19406.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and your reply will be placed in the Public Document Room.

The response directed by this Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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REG1 LIC30  
29-11488-02 PDR

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AUG 12 1986

We request that you give prompt attention to this matter. Should you have any questions regarding this we would be pleased to discuss them with you.

Sincerely,

Original Signed By:

John D. Kinneman

John D. Kinneman, Chief  
Nuclear Materials Safety Section A  
Division of Radiation Safety and  
Safeguards

cc:

Public Document Room (PDR)

Nuclear Safety Information Center (NSIC)

State of New Jersey

bcc:

Region I Docket Room (w/concurrences)

