



GeoTek, Inc.  
320 East Corporate Drive Suite 300 Meridian, ID 83642-3511  
(208) 888-7010 Office (208) 888-7924 Fax www.geotekusa.com

Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region IV  
612 E. Lamar Boulevard, Suite 400  
Arlington, TX 76011-4125

April 30, 2015  
**RECEIVED**  
MAY 26 2015

**DNMS**

Attention: Michelle M. Hammond, M.Sc., Health Physicist

Subject: **Nuclear Regulatory Commission License Amendment Request  
Radioactive Material License Number 11-27776-01**

I would like to request an amendment to Radioactive Material License No. 11-27776-01 to authorize GeoTek, Inc. to use the InstroTek, Inc. Model 3500 Xplorer nuclear moisture/density gauge for measurement of soils and construction materials. We would like approval for the authorized use/storage/purchase of (2) new InstroTek gauges to place into our active inventory storage. The Model 3500 is registered under Sealed Source & Device Registration Certificate No. NC-1241-D-101-S, and contains the following sealed sources:

- 1) Cs-137 (AEA Technology QSA Model No. CDC.805 or Isotope Products Laboratories Model HEG-137)  
Maximum activity: 11 mCi
- 2) Am-241:Be (AEA Technology QSA, Inc. Model No. AMN.V977 or Isotope Products Laboratories Model AM1.NO2)  
Maximum activity: 44 mCi

Please let me know if I can provide any additional information. We take the requirements of our license very seriously as this directly affects our ability to work in this industry. If you have any questions please do not hesitate to contact either of the undersigned.

Sincerely,

Luke J. Landriani, P.E.  
Senior Engineer

**PUBLIC**

- ☐ Immediate Release  
☒ Normal Release

**NON-PUBLIC**

- ☐ A.3 Sensitive-Security Related  
☐ A.7 Sensitive Internal  
☐ Other:

Reviewer: Ritz

Date: 6-2-15

David Waite, P.E.  
Radiation Safety Officer  
Branch Manager  
Associate Vice President



GeoTek, Inc.  
320 East Corporate Drive, Suite 300  
Meridian, ID 83642-3511



BOISE ID 837

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United States Nuclear Regulatory Commission  
Attn: Michelle Hammond, M.Sc.  
Region IV  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511

RECEIVED MAY 26 2015



760114511



DATE

06/02/2015

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE

David Waite, Radiation Safety Officer  
GeoTek, Inc.  
320 East Corporate Drive  
Suite 300  
Meridian, Idaho 83642

LICENSE NUMBER

11-27776-01

MAIL CONTROL NUMBER

586959

LICENSING AND/OR TECHNICAL REVIEWER

CH

This is to acknowledge the receipt of your:

☒ LETTER and/or ☐ APPLICATION

DATED: 04/30/2015

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

☒ AMENDMENT ☐ TERMINATION ☐ NEW LICENSE ☐ RENEWAL

- ☐ There were no administrative omissions identified during our initial review.
- ☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- ☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

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

Region IV  
U. S. Nuclear Regulatory Commission  
DNMS/NMSB - B  
1600 E. Lamar Boulevard  
Arlington, TX 76011-4511  
(817) 200-1103 or (817) 200-1140

✓ 6/2

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM WBL

Program Code: 03121  
Status Code: Pending Amendment  
Fee Category: 3P  
Exp. Date: 08/31/2014  
Fee Comments:  
Decom Fin Assur Req'd: N

## License Fee Worksheet - License Fee Transmittal

### A. REGION

#### 1. APPLICATION ATTACHED

Applicant/Licensee: GEOTEK, INC.  
Received Date: 05/26/2015  
Docket Number: 3036587  
Mail Control Number: 586959  
License Number: 11-27776-01  
Action Type: Amendment

#### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

#### 3. COMMENTS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

### B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / )

1. Fee Category and Amount: \_\_\_\_\_

#### 2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_

Renewal: \_\_\_\_\_

License: \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_