

October 10, 2010

Nuclear Materials Safety Branch B
U.S. Nuclear Regulatory Commission, Region IV
612 Easy Lamar Boulevard, Suite 400
Arlington, Texas 76011-4125

RECEIVED
OCT 18 2010
DNMS

RE: NRC LICENSE 15-23181-01
LICENSE RENEWAL REQUEST

Dear Sirs:

Alpha-Omega Geotech is requesting the above referenced materials license to be renewed. Our current license will expire on November 30, 2010. Enclosed is an application for renewal, which follows the guidelines in the NUREG-1556 Vol. 1 Rev. 1, and your letter, dated September 2, 2010.

I have also enclosed a copy of our current license and a check for \$1400.00. If you have any questions or need additional information please call me at (913) 724-7755 or my cell phone at (913) 220-8119.

Sincerely,
ALPH-OMEGA GEOTECH, INC.

Anna M. Hurt
Radiation Safety Officer

Enclosures

Alpha-Omega Geotech, Inc.
1701 State Avenue
Kansas City, Kansas 66102
Phone (913) 371-0000
Fax (913) 371-6710
www.aogeotech.com

5 7 3 8 5 9



NRC FORM 313
(3-2009)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND
ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA,
KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,
NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH
CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,
SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND
APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,
LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH
DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS,
UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
612 E. LAMAR BOULEVARD, SUITE 400
ARLINGTON, TX 76011-4125

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

☐

A. NEW LICENSE

☐

B. AMENDMENT TO LICENSE NUMBER

☒

C. RENEWAL OF LICENSE NUMBER 15-23181-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Alpha - Omega Geotech, Inc.
1701 State Ave.
Kansas City KS 66102

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Temporary job sites anywhere in
the United States where the NRC
maintains jurisdiction, including
areas of Federal jurisdiction in Agreement
States

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

ANNA M. HURT

TELEPHONE NUMBER

913-724-7755

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount
which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR
TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY

3P

AMOUNT
ENCLOSED

\$ 1400.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

S. Allan Bush

SIGNATURE

[Signature]

DATE

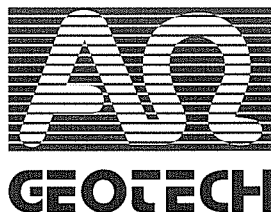
10/12/10

FOR NRC USE ONLY

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

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND USES

Radioisotope	Manufacturer and Distributer Model No.	Quantity	Use As Listed on SSD Certificate
Cesium 137	Sealed Source Manufacturer and Model Number: AEA Technology/QSA, Inc., Model CDC.805 Device Manufacturer and Model Number: Humboldt Scientific, Inc. Model 5001 Series	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Specific description of the gauge use: To be used for measuring physical properties of materials.
Americium-241:Be	Sealed Source Manufacturer and Model Number: AEA Technology/QSA, Inc., Model AMN V997 Device Manufacturer and Model Number: Humboldt Scientific, Inc. Model 5001 Series	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Specific description of the gauge use: To be used for measuring physical properties of materials.
Cesium 137	Sealed Source Manufacturer and Model Number: AEA Technology/QSA, Inc., CDCW556 Device Manufacturer and Model Number: Troxler Electronic Laboratories, Model 3400 Series	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Specific description of the gauge use: To be used for measuring physical properties of materials.
Americium-241:Be	Sealed Source Manufacturer and Model Number: AEA Technology/QSA, Inc., Model AMN V997 Device Manufacturer and Model Number: Troxler Electronic Laboratories, Model 3400 Series	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Specific description of the gauge use: To be used for measuring physical properties of materials.



No. 5 7 3 8 5 9

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE MANAGEMENT

Item Number and Title	Suggested Response	APPLICANT'S RESPONSE YES/NO/OTHER
7. INDIVIDUAL(S) RESPONSIBLE FOR TADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER Name: Anna Hurt	Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled “Individual(s) Responsible for Radiation Safety Program and Their Training Experience – Radiation Safety Officer” in NUREG- 1556, Vol.1, Rev. 1, dated November 2001.	YES
8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled “Training for Individuals Working in or Frequenting Restricted Areas” in NUREG- 1556, Vol.1, Rev. 1, dated November 2001.	YES
ITEM 9 FACILITIES AND EQUIPEMENT	No information needs to be submitted in response to this item; key issues are addressed under “Radiation Safety Program – Operating and Emergency Procedures.”	Separate Item 9 Response Need Not Be Submitted With Application
ITEM 10 RADIATION SAFETY PROGRAM – AUDIT PROGRAM	The applicant is not required to and should not submit its audit program to NRC for review during the licensing phase.	Need Not Be Submitted With Application
ITEM 10 RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITES	The applicant is not required to submit a response to the termination of activities section during the initial application.	Need Not Be Submitted With Application
ITEM 10 RADIATIONSAFETY PROGRAM – SURVEY INSTRUMENTS	We will possess and use a radiation survey meter that meets the Criteria in the section entitled “ Radiation Safety Program – Instruments” in NUREG- 1556, Vol.1, Rev. 1, dated November 2001.	YES



ITEM 10 RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNTABILITY	Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.	YES
RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY	Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20 or we will provide dosimetry processed and evaluated by an NVLAP – approved processor that is exchanged at a frequency recommended by the processor.	YES
ITEM 10 RADIATION SAFETY PROGRAM – PUBLIC DOSE	The applicant is not required to submit a response to the public dose section during the licensing phase.	Need Not be Submitted With the Application
ITEM 10 RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES	We will implement and maintain the operating and emergency procedures in Appendix H of NUREG- 1556, Vol.1, Rev. 1, dated November 2001 and provide copies of these procedures to all gauge users and at each job site.	YES
ITEM 10 RADIATION SAFETY PROGRAM – LEAK TESTS	Leak tests will be performed at intervals approved by NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or and Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.	YES
ITEM 10 RADIATION SAFETY PROGRAM – MAINTENANCE	<p>Routine Cleaning and Lubrication</p> <p>We will implement and maintain procedures for routing maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p>Non-Routine Maintenance</p> <p>We will send the gauges to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>	<p>YES</p> <p>YES</p>



BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM LTS . . .

Program Code: 03121
Status Code: Pending Renewal
Fee Category: 3P
Exp. Date:
Fee Comments:
Decom Fin Assur Req: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ALPHA-OMEGA GEOTECH, INC.
Received Date: 11/08/2010
Docket Number: 3028681
Mail Control Number: 573859
License Number: 15-23181-01
Action Type: Renewal

2. FEE ATTACHED

Amount: _____

Check No.: _____

3. COMMENTS

Signed: Colleen Munnahan

Date: 11-08-2010

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: _____