



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

November 30, 2015

Jeffrey P. Klein, P.E.
Radiation Safety Officer
Geotechnology, Inc.
11816 Lackland Road
Suite 150
St. Louis, MO 63146

Dear Mr. Klein:

We have reviewed your renew application for NRC License No. 24-24459-01. In order to complete our review, we will need the following additional information.

- 1) Your current license is authorized for sealed sources containing californium-252; however, it was not listed in the application. In order to delete californium-252 from your license, please confirm that you have never possessed californium-252.
- 2) Your current license is authorized for CPN Model 500 Series nuclear gauges; however, it was not listed in the application. In order to delete CPN Model 500 Series from your license, please confirm that you have never possessed CPN Model 500 Series. If you possessed them, please confirm that they have been properly transferred to other authorized person and provide a copy of the last sealed source leak test.
- 3) Provide the manufacturer and model for the sealed sources to be used in CPN Model MC Series, Humboldt Model 5001, and Troxler Model 3400 Series (e.g. CPN-131, AEA Technology/QSA, Inc. Model No. CDCW556, and AEA Technology/QSA, Inc. Model No. AMNV.997). In addition, please provide the maximum number of gauges for each model.
- 4) Your current license lists three locations of use; however, 1552 South Seventh Street, St. Louis, Missouri, and 2258 Grissom Drive, St. Louis, Missouri were not listed in the application. To delete these two locations from your license, please confirm that all licensed material have been removed from these locations and provide a copy of the last sealed source leak test for the gauges that had been stored there.
- 5) If you would like to use your nuclear gauges at temporary job sites, please state.
- 6) Please provide a copy of the memorandum of delegation of authority for the Radiation Safety Officer (a sample is enclosed).

To continue the review of your license renew application, we request that you submit your written response to this letter by December 30, 2015. Your response must be dated and signed by authorized personnel and please refer Mail Control Number 588576 in your response to facilitate proper mail handling in our office. To expedite the licensing process, you could fax your response to 630-515-1078. If we do not receive a reply from you by the date above, we shall assume that you do not wish to pursue your application request. If you have any questions or

require clarification on any of the information stated above, please do not hesitate to contact me at 630-829-9887 or frank.tran@nrc.gov.

In accordance with Title 10 Code of Federal Regulations 2.390 of the U.S. Nuclear Regulatory Commission's (NRC) "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,



Frank P.D. Tran
Materials Licensing Branch

License No. 24-24459-01
Docket No. 030-18640

Model Delegation of Authority to RSO

Memo To: Radiation Safety Officer
From: Chief Executive Officer (or designee)
Subject: Delegation of Authority

You, _____, have been appointed radiation safety officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the Radiation Protection Program, identifying radiation protection problems, initiating, recommending, or providing corrective actions, verifying implementation of corrective actions, stopping unsafe activities, and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations, when justified, to maintain radiation safety. You are required to notify management if staff does not cooperate and does not address radiation safety issues. In addition, you are free to raise issues with the U.S. Nuclear Regulatory Commission at any time. It is estimated that you will spend _____ hours per week conducting radiation protection activities.

Signature of Management Representative
Title:

Date

I accept the above responsibilities,

Signature of Radiation Safety Officer

Date

cc: Affected department heads