

GEOTECH ENVIRONMENTAL, INC.

ENVIRONMENTAL CONSULTANTS
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June 17, 2005

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

Re: Reply to a Notice of Violation Resulting from
NRC Inspection No. 03033171/2005001
(License No. 29-28286-02)

Dear Sir/Madam:

Pursuant to the provisions of 10 CFR 2.201, this letter will provide explanations and statements regarding the Notice of Violation (NOV) received from the NRC, dated June 1, 2005, citing seven violations of the NRC requirements.

Our responses to each of the seven categories of violations are presented below in the same order as in the NOV.

- A. Review and discussion of the radiation protection program contents and implementation have been done informally in the past by the management representative (the former RSO and Vice President of the firm) with the authorized users of the portable gauges. With the writer now representing the management, periodic, formal, review of the radiation protection program contents and implementation will be made at intervals not exceeding once a year in a 1½ to 2 hour meeting run by the RSO and attended by our employees authorized to use the gauges. Evidence of a meeting that was held on May 20, 2005, is recorded in a Log Book maintained by the RSO.

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- B. Our current RSO attended the Troxler Radiation Safety Officer class on April 21, 2005. He is responsible for in-house training and testing of other Geotech employees trained and authorized to use our portable gauges. Authorized gauge users attended the HAZMAT training program on April 20, 2005. Our HAZMAT employees will receive recurrent training at least once every three years. The copies of each authorized user's training certificate are maintained on file. The writer will oversee this program to ensure full compliance with NRC requirements.
- C. We acknowledge that our two Troxler 3440 moisture density gauges have not been leak tested at regular intervals not exceeding six months. This is because our former RSO, also a management representative (a former Vice President of Geotech who is no longer with the firm) in charge of compliance with the NRC regulations had not maintained a close control on the frequency of leak tests. This matter has been rectified. Our current RSO will ensure that leak testing occurs at regular intervals. The last leak test was performed on March 31, 2005. The next test is scheduled for September, 2005, followed by additional testing every six months. Leak tests will be performed by Troxler Electronic Laboratories, Inc. (Troxler), an organization authorized by the NRC.
- D. As a result of the NOV regarding this item, a physical inventory was conducted and recorded in the Log Book by our RSO on April 22, 2005. This will be repeated at intervals not exceeding six months to account for all sealed sources and devices received and possessed under the license.
- E. As part of our Radiation Safety Program, our RSO has provided new locks for our portable nuclear density gauges and their outer containers. Also, gauges are properly stored in locked storage boxes, which are only accessible to authorized users. In addition, during transportation of the gauges, chains with locks are used for added safety and security.
- F. (1) Copies of Appendix H, NUREG-1556, Vol.1, Rev.1, Operating and Emergency Procedures are provided to all gauge users to be carried at all times during the transportation and usage of the portable nuclear gauges.
- (2) Personnel sign out logbooks are provided for each gauge. The times and dates of use, names of the authorized users, and the location where they will be used are included in the logbook. This is being practiced diligently.
- G. We acknowledge that we did not notify the NRC regarding the appointment of a new Radiation Safety Officer after the departure of our former RSO, Mr. Steven R. Sahns, P.E., Vice President. However, Mr. H. Murat Arkan, P.E.,

was internally designated as our new RSO although formal notification of NRC of this appointment occurred on April 7, 2005. Mr. Arkan has been properly trained by Troxler Labs. for the use of the nuclear density gauge. He also attended the Troxler's "Radiation Safety Officer Training" course in Baltimore, MD, on April 21, 2005.


We trust that the above detailed responses to NOV are satisfactory and will enable us to continue using our gauges in accordance with NRC requirements and regulations. In addition, we would very much welcome a visit from the NRC Inspector to examine our files and records and verify that we are complying with the Commission's regulations and the license conditions.

Yours very truly,

GEOTECH ENVIRONMENTAL, INC.



Murat Arkan, P.E.
Project Engineer
(RSO)



Cetin A. Okcuoglu, P.E.
President

HMA:CAO:r

cc: Mr. John D. Kinneman, Chief (NRC-Region 1)