

NOTICE OF VIOLATION

Geo-Tech Associates/Geo-Tech Laboratories
43 South Avenue
Fanwood, New Jersey 07023

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

On June 26 and July 3, 1985 an NRC inspection was conducted of activities performed under NRC License No. 29-18205-02. During the inspection, eight violations of NRC requirements were identified, one of which involved the unsupervised performance of licensed activities by unauthorized individuals. The unauthorized individuals were not technically qualified to be added to the license.

In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1985), the violations are set forth below:

- A. Condition 12 of License No. 29-18205-02 limits the use, or supervision of use, of licensed material to an individual listed on the license.

Contrary to the above, from November 1984 to June 27, 1985, two members of the engineering staff used licensed material and the individuals were not listed on the license nor under the supervision of an individual listed on the license.

This is a Severity Level III violation. (Supplement VI)

- B. 10 CFR 19.12 requires that all individuals working in or frequenting any portion of a restricted area be kept informed of the storage, transfer, or use of radioactive materials or of radiation in such portions of the restricted area; be instructed in the health protection problems associated with exposure to such radioactive materials or radiation, in precautions or procedures to minimize exposure, and in the purposes and functions of protective devices employed; and be instructed in, and instructed to observe, to the extent within the worker's control, the applicable provisions of Commission regulations and licenses for the protection of personnel from exposure to radiation or radioactive materials occurring in such area.

Contrary to the above, as of July 3, 1985, two individuals using licensed materials in a restricted area had not been adequately instructed in the above in that they were unfamiliar with appropriate NRC requirements and the procedures required by the NRC license.

This is a Severity Level IV violation. (Supplement VI)

- C. 10 CFR 71.5(a) requires that each licensee who transports licensed material outside the confines of its facility, or who delivers licensed material to a carrier for transport, shall comply with the applicable requirements of the regulations appropriate to the mode of transport of the Department of Transportation in 49 CFR Parts 170-189.

1. 49 CFR 173.411 and 173.412 require and describe Type A design specifications for each package used for shipping or transporting instruments containing licensed radioactive material.

Contrary to the above, as of July 3, 1985, nuclear gauges containing licensed material were transported to temporary job sites on numerous occasions in 1984 and 1985 without appropriate Type A packaging since the approved shipping containers were not used.

This is a Severity Level IV violation (Supplement V)

2. 49 CFR 172.200(a), 172.202 and 172.203 require and describe proper shipping papers that must accompany each package containing licensed material for transport.

Contrary to the above, as of July 3, 1985, shipping papers described in 49 CFR 172.202 and 172.203 were not prepared and have not accompanied the licensee's gauges in transport during 1984 and 1985 to temporary field locations.

This is a Severity Level IV violation (Supplement V)

3. 49 CFR 172.403 requires that each package of radioactive material, unless excepted from labeling by §173.421 through §173.425, be labeled, as appropriate, with a RADIOACTIVE WHITE-I, a RADIOACTIVE YELLOW-II, or a RADIOACTIVE YELLOW-III label.

Contrary to the above, as of July 3, 1985 packages containing nuclear gauges containing millicurie quantities of americium-241 and/or cesium-137 were not labeled with an appropriate DOT label as required and had been transported without such labels in 1984 and 1985 on numerous occasions.

This is a Severity Level IV violation. (Supplement V)

- D. Condition 13 of License No. 29-18205-02 requires that the sealed sources used in nuclear gauges be tested for leakage and/or contamination at intervals not to exceed six months.

Contrary to the above, as of July 3, 1985, none of the sealed sources containing millicurie quantities of americium-241 and/or cesium-137 had been leak-tested since April 30, 1984, an interval of more than six months.

This is a Severity Level IV violation (Supplement VI)

- E. Condition 15 of License No. 29-18205-02 requires the licensee to conduct and document a physical inventory of all sealed sources every six months to account for all sealed sources received and possessed under the license.

Contrary to the above, as of July 3, 1985, an inventory of sealed sources had not been performed by the licensee since issuance of the license on January 31, 1984.

This is a Severity Level IV violation (Supplement VI).

Pursuant to the provisions of 10 CFR 2.201, Geo-Tech Associates/Geo-Tech Laboratories is hereby required to submit to this office within thirty days of the date of the letter which transmitted this Notice, a written statement or explanation in reply, including for each alleged violation: (1) the corrective steps which have been taken and the results achieved; (2) corrective steps which will be taken to avoid further violations; and (3) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending this response time.

Dated at King of Prussia
this day of August 1985