

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

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|--|---|--|--|
| 1. LICENSEE/LOCATION INSPECTED:<br><b>Geotechnology Inc</b><br><b>2258 Grissom Dr</b><br><b>St. Louis, Mo 63146</b><br><b>REPORT 2005001</b> |   | 2. NRC/REGIONAL OFFICE<br><b>US NRC Region III</b><br><b>2443 Warrenville Rd</b><br><b>Suite 210</b><br><b>Lisle, IL 60532</b> |  |
| 3. DOCKET NUMBER(S)<br><b>03018640</b>   | 4. LICENSEE NUMBER(S)<br><b>24-24459-01</b> | 5. DATE(S) OF INSPECTION<br><b>Sept 28, 2005</b>   |  |

**LICENSEE:**

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

1. Based on the inspection findings, no violations were identified.

2. Previous violation(s) closed.

3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

\_\_\_\_\_ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

| Title                     | Printed Name     | Signature | Date                 |
|---------------------------|------------------|-----------|----------------------|
| LICENSEE'S REPRESENTATIVE |                  |           |                      |
| NRC INSPECTOR             | <b>G. Parker</b> |           | <b>Sept 28, 2005</b> |

**Docket File Information**  
**SAFETY INSPECTION REPORT**  
**AND COMPLIANCE INSPECTION**

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|--|--|---|--|
| 1. LICENSEE<br><b>Geotechnology Inc</b><br>REPORT NUMBER(S) 2005-001 |  | 2. NRC/REGIONAL OFFICE<br><b>Region III</b> |  |
| 3. DOCKET NUMBER(S)<br>030-18640                                     | 4. LICENSE NUMBER(S)<br>24-24459-01        | 5. DATE(S) OF INSPECTION<br>Sept 28, 2005   |  |
| 6. INSPECTION PROCEDURES USED<br>87124                               | 7. INSPECTION FOCUS AREAS<br>03.01 - 03.07 |   |  |

**SUPPLEMENTAL INSPECTION INFORMATION**

|                             |                  |                                   |                                     |
|-----------------------------|------------------|-----------------------------------|-------------------------------------|
| 1. PROGRAM CODE(S)<br>03121 | 2. PRIORITY<br>5 | 3. LICENSEE CONTACT<br>John Baker | 4. TELEPHONE NUMBER<br>314/241-0525 |
|-----------------------------|------------------|-----------------------------------|-------------------------------------|

Main Office Inspection      Next Inspection Date: 9/10

Field Office \_\_\_\_\_

Temporary Job Site \_\_\_\_\_

**PROGRAM SCOPE**

The licensee is an engineering firm located in St. Louis, Missouri. They perform soil density and compaction testing throughout the midwest. The licensee has 19 Troxler 3440 series gauges. The gauges are normally stored at licensee's facility or locked in construction trailers at temporary job sites. *The licensee does not performed any service or maintenance activities on the gauges.* The licensee employees 28 gauge users who have completed the manufacturers training.

**Performance Observations**

Licensee demonstrated how the gauge is used for the inspector. Interviews of licensee personnel indicated an adequate level of knowledge of radiation safety.

Independent surveys of the gauge storage area indicated minimal results. Although licensee personnel are badged, readings for the past year were nominally at the minimum level. Licensee has implemented the new gauge security policy. Adequate security is provided for in the storage location and in the truck used to transport the gauge. Surveys of the storage area by the inspector revealed only minimal results. No violations of requirements were noted.