

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:
Fleis & Vandenbrink Eng. Inc.
2960 Lucerne SE
Grand Rapids, MI 49546

2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4351

REPORT NUMBER(S) 2009/001

3. DOCKET NUMBER(S)
030-33539

4. LICENSEE NUMBER(S)
21-26580-01

5. DATE(S) OF INSPECTION
April 24, 2009

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

Edward Kulzer

E. D. Kulzer

4/24/2009

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| 1. LICENSEE Fleis & Vandenbrink REPORT NUMBER(S) 2009-001 | | 2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532 | |
| 3. DOCKET NUMBER(S) 030-33539 | 4. LICENSE NUMBER(S) 21-26580-01 | 5. DATE(S) OF INSPECTION 4/24/2009 | |
| 6. INSPECTION PROCEDURES USED 87124 | 7. INSPECTION FOCUS AREAS 03.01-03.07 | | |

SUPPLEMENTAL INSPECTION INFORMATION

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|---|------------------|------------------------------------|-------------------------------------|
| 1. PROGRAM CODE(S) 3121 | 2. PRIORITY 5 | 3. LICENSEE CONTACT Paul Glades | 4. TELEPHONE NUMBER 616.464.3200 |
| <input checked="" type="checkbox"/> Main Office Inspection | | Next Inspection Date: 4/2014 | |
| <input type="checkbox"/> Field Office | | | |
| <input checked="" type="checkbox"/> Temporary Job Site Inspection | | Saugatuck, Michigan | |

PROGRAM SCOPE

The licensee is a civil and environmental engineering firm located in Grand Rapids, Michigan. The licensee possesses eight Troxler 3400 moisture density gauges, for use daily/weekly during the construction season (May-November) for soils engineering projects. The licensee does not perform any service or maintenance activities on its gauges; these services are performed by the manufacturer. Currently, the licensee employs twenty seven authorized gauge users who have completed manufacturers training. The gauges are stored in a locked room in the licensee's office in Grand Rapids, Michigan.

Performance Observations

The inspector observed operations at a temporary jobsite in Saugatuck, Michigan. The operator possessed required shipping papers which contained all appropriate information and were accessible in the transport vehicle. Gauge/case were locked and chained to the rear of the vehicle during transport. The operator demonstrated an adequate level of understanding of emergency and handling procedures during job-site interviews. Security during transport and at the job-site was described and observed respectively with no problems noted. The inspector performed independent and confirmatory radiation measurements which indicated similar results as noted in the licensee's survey records.

CLOSURE OF EVENT NMED NUMBER 060572

The licensee had an event (NMED Item Number 060572) in September 2006 in which a Troxler gauge was slightly damaged by construction equipment. At the beginning of the work shift the authorized user notified the site foreman that he was present taking measurements with his Troxler gauge. The Troxler gauge s/n number 30135 was rented from Troxler. The operator, while in the process of taking a measurement, was standing near the gauge, when the grader operator lost track of the authorized user's location, began backing up. The authorized user was able to remove the gauge with only the gauge index broken. The gauge was leak tested and found to be not leaking. The gauge was placed in its approved case and returned to Troxler. The operator's film badge indicated no exposure had occurred.

The RSO was notified and called the event in to NRC Operations Center at that time - 9/18/2006. The RSO also sent in the 30 day report along with pictures of the damaged gauge on 9/25/2006. The event report is found in ADAMS (ml062710006). See Attached.