

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED

Maag Geotechnical Services, Inc
8661 Grant Road, Suite B
St. Louis, MO 63123

REPORT NUMBER(S) 16-001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Rd, Suite 210
Lisle, IL 60532

3. DOCKET NUMBER(S)

030-38443

4. LICENSE NUMBER(S)

24-32824-01

5. DATE(S) OF INSPECTION

June 23, 2016

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, to exercise discretion, were satisfied.

Non-cited violation(s) were discussed involving the following requirement(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 in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Title 10 CFR 71.5(a) requires that a licensee who transports licensed material outside of the site of usage as specified in the NRC license, or where transport is on public highways, or who delivers licensed material to a carrier for transport, comply with the applicable requirements of the regulations appropriate to the mode of transport of the Department of Transportation (DOT) in 49 CFR Parts 107, 171-180, and 390-397.

Title 49 CFR 172.702 states, in part, that each hazmat employer shall ensure that each hazmat employee is trained and tested, and that no hazmat employee performs any function subject to the requirements of 49 CFR Parts 171-177 unless trained, in accordance with Subpart H of 49 CFR Part 172. The terms Hazmat Employer and Hazmat Employee are defined in 49 CFR 171.8.

Continued on Part 2

Statement of Corrective Actions

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	Marlene D. Maag, President/RSO	<i>Marlene D. Maag</i>	7/12/16
NRC INSPECTOR	Zahid Sulaiman, Health Physicist	<i>Zahid Sulaiman</i>	7/11/16
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB	<i>AT McCraw for ATM</i>	7/11/16

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(Continued)

Title 49 CFR 172.704(a) specifies the elements of hazmat employee training as: (1) general awareness/familiarization training, (2) function-specific training, (3) safety training, (4) security awareness training, and (5) in-depth security training, if applicable. Title 49 CFR 72.704(c) requires, in part, that a hazmat employee receive initial training, and recurrent training at least once every three years.

Contrary to the above, as of June 23, 2016, the licensee failed to provide training for two of its hazmat employees that satisfied the requirements in Subpart H to 49 CFR 172, in that the required training had not been provided to its employees who independently transported hazardous materials within the last three years, and the licensee otherwise meets the definition of hazmat employer in 49 CFR 171.8.

The root cause of the violation was the licensee's lack of oversight of the DOT hazmat recurrent training requirements. As corrective actions licensee had one individual completed the hazmat training on July 7, 2016 and the other individual is scheduled to complete the training by July 15, 2016. The licensee committed to develop an excel spreadsheet to track employees training due dates and ensuring that recurrent hazmat training provided at least once every three years.

Docket File Information
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6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01-03.07
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03121	2. PRIORITY 5	3. LICENSEE CONTACT Marlene D. Maag, RSO	4. TELEPHONE NUMBER (314) 974-9891
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Main Office Inspection Next Inspection Date: 06/23/2021

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine inspection of a geotechnical engineering company. The licensee had total of 6 Troxler Model 3400 series moisture/density portable gauges for use daily/weekly for soils engineering projects. The gauges were stored with two independent physical barriers at the licensee's facility. The licensee does not perform any service or maintenance activities on its gauge. The services were performed by the manufacturer or vendor. The licensee employs 8 authorized users who have completed manufacturer training.

Performance Observations

At the time of this inspection, the gauges were not in use. The inspector had an authorized user demonstrate gauge use and operations, and security during transport. The authorized user demonstrated an adequate level of understanding of emergency and handling procedures. Security of gauges at temporary job-sites was described with no issues noted. The authorized user possessed required shipping papers that contained all appropriate information and demonstrated that the shipping papers were accessible in the transport vehicle. Licensee does not use dosimetry program with a dose evaluation record available. The licensee had a consulting company conduct the calibration and the leak tests. The inspector reviewed the utilization logs, leak tests, inventories, manufacturer training certificates and hazmat training with no issues noted.

During this inspection, the inspector identified one Severity Level IV violation with regard to recurrent DOT hazmat training. The violation, root cause, and corrective actions are described in Part 1 & 2 of this form.

Sulaiman, Zahid

From: Jana Kramme <jana@maag-geo.com>
Sent: Tuesday, July 12, 2016 4:05 PM
To: Sulaiman, Zahid
Cc: 'Marlene Maag'
Subject: [External_Sender] RE: NRC Safety and Compliance Inspection Report, NRC FORM 591M - Maag Geotechnical Services, Inc.
Attachments: NRC Form 591M 07-16.pdf

Attached is the signed copy.

If you have any questions, please do not hesitate to contact us.

Jana Kramme
Office Manager



8661 Grant Road, Suite B
St. Louis, MO 63123
314-843-0865 / 314-843-0866 Fax
www.Maag-Geo.com

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From: Sulaiman, Zahid [mailto:Zahid.Sulaiman@nrc.gov]
Sent: Monday, July 11, 2016 3:30 PM
To: Jana Kramme
Cc: 'Marlene Maag'; Sulaiman, Zahid
Subject: NRC Safety and Compliance Inspection Report, NRC FORM 591M - Maag Geotechnical Services, Inc.

Hi Jana,

Attached is the NRC form 591M – Safety and Compliance Inspection report, please have Marlene sign the report and return the signed copy to me through email or fax. If you have any question, please feel free to contact me.

Thanks
Zahid Sulaiman

Zahid Sulaiman
Health Physicist
US Nuclear Regulatory Commission - Region III
Division of Nuclear Materials Safety
2443 Warrenville Road, Suite 210
Lisle, IL 60532
Telephone: 630-829-9752
Fax: 630-515-1259