

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:  Midland Standard Engineering and Testing, Inc. 410 Nolen Drive, South Elgin, IL 60177 Location Inspected: Job site in Cedar Lake, IN  REPORT NUMBER(S) 2019003		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  150-00012	4. LICENSE NUMBER(S)  IL-02264-01	5. DATE(S) OF INSPECTION  November 15, 2019	

## 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:

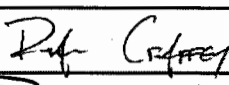
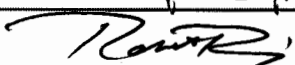
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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)

## 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			
NRC INSPECTOR	Ryan Craffey		11/15/2019
BRANCH CHIEF	Robert Ruiz, Acting Chief		12/6/19

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

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Midland Standard Engineering and Testing, Inc.  
410 Nolen Drive, South Elgin, IL 60177  
Location Inspected: Job site in Cedar Lake, IN

REPORT NUMBER(S) 2019003

## 2. NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

## 3. DOCKET NUMBER(S)

150-00012

## 4. LICENSE NUMBER(S)

IL-02264-01

## 5. DATE(S) OF INSPECTION

November 15, 2019

## 6. INSPECTION PROCEDURES USED

87124

## 7. INSPECTION FOCUS AREAS

All

**SUPPLEMENTAL INSPECTION INFORMATION**

## 1. PROGRAM CODE(S)

03121

## 2. PRIORITY

5

## 3. LICENSEE CONTACT

Gregory Ford - RSO

## 4. TELEPHONE NUMBER

(847) 844-1895

☐ Main Office Inspection

Next Inspection Date: TBD

☐ Field Office Inspection☒ Temporary Job Site Inspection US 41 at 141st Avenue, Cedar Lake, IN**PROGRAM SCOPE**

This was an unannounced field inspection of a geotechnical engineering company, authorized by the State of Illinois to use portable gauges for measuring the physical properties of materials. The company conducted these activities in NRC jurisdiction under a reciprocity request filed and approved in September 2019 for the remainder of the calendar year. The scope of this inspection was limited to an evaluation of licensed activities (compaction testing for new roadways) at a residential construction project in Cedar Lake, Indiana.

**PERFORMANCE OBSERVATIONS**

The inspector located one of the licensee's authorized gauge users at the job site in Cedar Lake. The user had a Troxler 3411-B gauge in his possession, but was not planning to perform any compaction testing that day since much of the compacted soil was still frozen. Instead, the authorized user demonstrated the implementation of licensee procedures for the safe use and transport of licensed material. The user maintained adequate control and constant surveillance of the gauge at all times during the inspection, or else secured it in his vehicle using a combination of locks, chains and a locking truck bed cover to provide at least two independent physical controls against unauthorized removal. These locks and chains also provided adequate blocking and bracing for transport on public highways. The inspector performed independent exposure rate measurements in proximity of the gauge, and noted levels consistent with those provided by the manufacturer in the applicable SSDR Safety Evaluation (NC-646-D-830-S).

The inspector interviewed the user to discuss the status of licensed activities under reciprocity as well as various emergency response scenarios. The user was knowledgeable of radiation protection principles, regulatory requirements, and licensee procedures. The inspector reviewed a selection of available records, including shipping papers, utilization logs, leak test results, O&E procedures, a copy of the company's State of Illinois license, and its initial reciprocity report (NRC Form 241) approved September 16, 2019, which accurately reflected the work performed on the job site.

No violations of NRC requirements were identified as a result of this inspection. The inspector conducted an exit meeting with the licensee's RSO via telephone later that day.