

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Bowen Engineering and Surveying, P.C.  
2121 Megan Drive  
Cape Girardeau, MO 63701

REPORT NUMBER(S) 2015-001

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-30496

## 4. LICENSE NUMBER(S)

24-25896-01

## 5. DATE(S) OF INSPECTION

May 12, 2015

## 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:

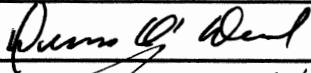

- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Dennis O'Dowd		5/12/15
BRANCH CHIEF	Aaron T. McCraw		6/2/15

## Docket File Information

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## 6. INSPECTION PROCEDURES USED

87124

## 7. INSPECTION FOCUS AREAS

03.01-03.07

## SUPPLEMENTAL INSPECTION INFORMATION

## 1. PROGRAM CODE(S)

3121

## 2. PRIORITY

5

## 3. LICENSEE CONTACT

Wade Metcalf, Radiation Safety Officer

## 4. TELEPHONE NUMBER

(573) 339-5900

☒ Main Office Inspection

Next Inspection Date: \_\_\_\_\_

☐ Field Office Inspection \_\_\_\_\_☒ Temporary Job Site Inspection Construction site off of Outer Road, Dexter, Missouri

## PROGRAM SCOPE

This was a routine, unannounced inspection. The licensee is a private engineering/consulting company, which employs approximately 15 people, located in Cape Girardeau, Missouri. The licensee performs soil density in the Cape Girardeau, Missouri area. The licensee has two Troxler Model 3440 series gauges, which were used at least weekly for construction projects during the construction season. The licensee has five authorized gauge users who have completed the manufacturer's training. The licensee did not perform any service or maintenance activities on its gauge; these services were performed by either the manufacturer or a company licensed to perform these activities.

## Performance Observations

The inspector toured the gauge storage area at the licensee's facility in Cape Girardeau, MO, and observed that there were two locks securing the storage area. The gauge case was also locked. The inspector also performed radiation surveys around the device and the device storage area, which indicated radiation levels expected for the type and quantity of material possessed. Interviews of licensee personnel indicated an adequate level of knowledge of radiation safety, gauge handling techniques, and emergency procedures. The inspector also reviewed select records, and confirmed that annual radiation exposures were well below 10% of the occupational limit, that periodic inventories and leak testing of sealed sources were conducted as required, and that daily utilization logs were maintained.

During the inspection, the inspector conducted a field inspection of licensed activities, including use and transport, at a construction site in Dexter, Missouri. The inspector observed that the licensee secured the gauge in an open bed pick-up truck using two locks and two chains. The gauge case was also locked. The inspector verified that the gauge user carried proper shipping papers (i.e., bill of lading), which listed a valid emergency contact telephone number. All of the authorized users had obtained initial and refresher hazardous material transportation training.

No violations of NRC requirements were identified during this inspection.