

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Bowers and Associates P.O. Box 52 713 North High Street Kirksville, MO 63501 REPORT NUMBER(S) 2017-001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-18219	4. LICENSE NUMBER(S) 24-20301-01	5. DATE(S) OF INSPECTION January 9, 2017

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:

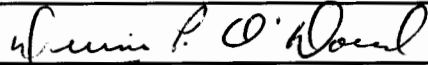
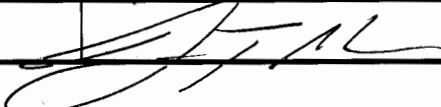
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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 P. O'Dowd		01/12/2017
BRANCH CHIEF	Aaron T. McCraw		1/12/17

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 Craig Bowers, Owner and RSO	4. TELEPHONE NUMBER (660) 627-1100
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Main Office Inspection Next Inspection Date: 01/09/2022

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

This was a routine inspection of a small geotechnical engineering company located in Kirksville, Missouri, that specializes in coal stockpile density testing, and is authorized to possess and use portable gauging devices at temporary job sites anywhere in the United States where the NRC maintains regulatory jurisdiction. This was an announced inspection due to the fact that several attempts made previously to conduct an unannounced inspection were unsuccessful. The licensee typically used gauges each year from March through December. At the time of the inspection, the licensee possessed three Troxler Model 1351 gauges (S/Ns 206, 214, and 226), and two Campbell-Pacific Nuclear (CPN) Model 501 gauges (S/Ns D71094055, and D76056541). Only two of the Troxler gauges were routinely used a temporary job sites since the last inspection. The RSO was the company owner and the only gauge user.

Performance Observations

During the inspection, the inspector reviewed and discussed with the RSO: (1) two tangible barriers for gauge security and padlocks while unattended; (2) DOT requirements and shipping papers; (3) dosimetry and records, with results less than 10% of Part 20 limits; (4) leak tests, physical inventories, and utilization logs; (5) survey meter availability; (6) operating and emergency procedures, routine maintenance, and reporting requirements; (7) annual program audits, (performed in January of each year); (8) DOT HAZMAT training (completed annually). No temporary job site work was scheduled on the day of the inspection, and all gauges were observed properly stored and secured. The licensee demonstrated transportation and physical controls during work at temporary job sites; the licensee utilizes storage tool boxes on its vehicles that meet the two-barrier rule. The RSO possessed a radiation survey meter (S.E. International, Inc. Radiation Alert Monitor 4). The inspector performed independent radiation measurements that indicated no exposure concerns and were consistent with expected readings. The licensee calculated potential doses to the public, in accordance with NUREG 1556, Vol. 1. Personal dosimeters were exchanged on a bimonthly basis, with annual doses of <100 mrem for years 2012 - 2016.

No violations were identified during this inspection.

O'Dowd, Dennis

From: O'Dowd, Dennis
Sent: Thursday, January 12, 2017 10:30 AM
To: 'bowersenator@gmail.com'
Subject: Corrected NRC Form 591M re: Recent Inspection
Attachments: NRC_Form591M_Bowers&Associates (01-12-2017).pdf

Craig R. Bowers
Bowers and Associates
713 N. High Street
Kirksville, MO 63501

Dear Mr. Bowers:

Please find attached a corrected and signed Form 591M (Part 1), "Safety Inspection Report and Compliance Inspection," issued in response to our recent inspection of your licensed program. As discussed with you during the exit meeting, no violations were identified during this inspection. We ask that you please disregard and dispose of the previous signed Form 591M that was provided to you at the conclusion of the inspection, and replace it with this one, which specifies the corrected date of my signature.

Should you have any questions regarding this or any other related matter, please feel free to contact me. Thank you for your cooperation during this inspection.

Dennis P. O'Dowd

Health Physicist
Materials Inspection Branch
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission
2443 Warrenville Road
Lisle, IL 60532
dennis.o'dowd@nrc.gov
630.829.9573 (office)
630.515.1078 (fax)

