

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  BEL Environmental Engineering, LLC 1179 Hendersonville Road Sandy Lake, PA 16145 Location Inspected: Oaway, MI REPORT NUMBER(S) 2016002		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  150-00037	4. LICENSE NUMBER(S)  PA-1448	5. DATE(S) OF INSPECTION  September 14, 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:

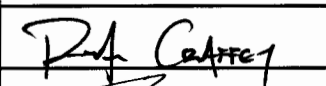

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is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

**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		9/22/16
BRANCH CHIEF	Aaron McCraw		9/23/16

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  FE 1-6
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Ernest J. Egger - RSO	4. TELEPHONE NUMBER  (724) 376-7418
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Main Office Inspection
 Next Inspection Date: TBD

Field Office Inspection \_\_\_\_\_

Temporary Job Site Inspection 20667 5 Mile Highway, Onaway, MI

**PROGRAM SCOPE**

This was an unannounced field inspection of a solid waste consulting firm authorized by the Commonwealth of Pennsylvania to possess and use portable gauging devices for measuring physical properties of materials at a facility in Sandy Lake, Pennsylvania, and at temporary job sites within the Commonwealth. The licensee conducted these activities in NRC jurisdiction under a reciprocity request filed in June 2016 for the remainder of the calendar year. During this inspection, the licensee was performing compaction testing using a Troxler 3440 gauge as part of landfill construction quality assurance for a new cell at the Elk Run landfill in Onaway, Michigan.

**PERFORMANCE OBSERVATIONS**

The inspector observed the licensee's authorized gauge user perform a number of compaction tests at the temporary job site in Onaway. The user maintained control and constant surveillance of the gauge during the inspection, but also maintained at least two independent physical controls in the bed of his truck that formed tangible barriers against unauthorized removal for when the portable gauge was in transit or not otherwise under constant surveillance. The inspector conducted independent surveys in the vicinity of the gauge. The results of these surveys were consistent with those found in the certificate of registration for the device. The inspector also noted that the user maintained sufficient physical distance between the gauge and the construction equipment and their operators to minimize exposure to members of the public, and to protect the gauge from the external hazard that the equipment represented. The inspector interviewed the user, discussed gauge use and transportation, ALARA practices, radiation safety training, and emergency response scenarios, and found that the user was knowledgeable of radiation protection principles and regulatory requirements. The inspector also reviewed a selection of records available on the job site, including shipping papers, operating and emergency procedures, leak test results for the sealed sources used during the inspection, hazmat training certificates, a copy of the company's Commonwealth of Pennsylvania radioactive materials license, and the reciprocity change report filed on August 26, 2016 for this job site. The inspector found that the report accurately reflected the activities observed during the inspection.

No violations of significance were identified as a result of this inspection.