

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED CBC Engineers & Associates, Ltd. 125 Westpark Road Centerville, OH 45449 Locations inspected: Racine, WV and Centerville, OH REPORT NUMBER(S) 2019001 and 2020001		2. NRC/REGIONAL OFFICE Region 3 2443 Warrenville Road Suite 210 Lisle, IL 60532-4352
3. DOCKET NUMBER(S) 030-35192	4. LICENSE NUMBER(S) 34-26768-02	5. DATE(S) OF INSPECTION 11/20/2019 [WV]; 1/31/2020 [OH]

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 the 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(s)	Craig Gordon, RI and Ryan Craffey, RIII	<i>Raf. Craffey</i> (and for CG)	02/04/2020
BRANCH CHIEF	Robert Ruiz, Acting Chief	<i>Robert J. Hutton, Jr. for R.R.</i>	2/5/2020

(07/2012)
10 CFR 2.201**Docket File Information****SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION****1. LICENSEE/LOCATION INSPECTED**CBC Engineers & Associates, Ltd.
125 Westpark Road
Centerville, OH 45449**2. NRC/REGIONAL OFFICE**Region 3
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352**REPORT NUMBER(S)** 2019001 and 2020001**3. DOCKET NUMBER(S)**

030-35192

4. LICENSE NUMBER(S)

34-26768-02

5. DATE(S) OF INSPECTION

11/20/2019 [WV]; 1/31/2020 [OH]

6. INSPECTION PROCEDURES USED

87124

7. INSPECTION FOCUS AREAS

All

SUPPLEMENTAL INSPECTION INFORMATION**1. PROGRAM CODE(S)**

03121

2. PRIORITY

5

3. LICENSEE CONTACT

Mitchell Hardert, PE - RSO

5. NEXT INSPECTION DATE

01/31/2025

4. TELEPHONE NUMBER 937-428-6150☒ **Authorized Location Inspection** 125 Westpark Road, Centerville, OH 45449
2789 Shortcreek Road, Racine, WV 25165☐ **Temporary Job Site Inspection****PROGRAM SCOPE**

This report documents two announced routine inspections of a consulting engineering and testing firm authorized to use portable gauges at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee had ten gauges and seven individuals authorized to use them. All but one of each were based at the licensee's main office in Centerville, Ohio. The remaining gauge and user were based at an authorized location in Racine, West Virginia, from where the licensee routinely dispatched both to nearby coal mines for testing lifts of compacted mining refuse. These were currently the licensee's only activities in NRC jurisdiction.

PERFORMANCE OBSERVATIONS: In November 2019, a Region I materials inspector visited the location in Racine and met with the user there. No work involving licensed material was scheduled or in-progress at the time of the inspection. The inspector examined the user's gauge, a Troxler 3411 stored behind at least two independent physical controls that formed tangible barriers against unauthorized removal, and found it to be in good working condition. The inspector performed radiation surveys on the gauge and in unrestricted areas and found all measurements well below NRC regulatory limits. The user showed good familiarity with gauge handling during brief performance demonstrations of gauge operation, a simulated leak test, and security measures for the gauge while in transit. In January 2020, a Region III materials inspector visited the licensee's main office in Centerville to interview the RSO and review records and other elements of the radiation safety program not available in Racine. The inspector and RSO discussed the licensee's preparations for and planned response to emergencies involving licensed material. The inspector confirmed that the licensee had local access to a survey meter in West Virginia through the Charleston Fire Department and Hazmat Team. The inspector reviewed a selection of routine records, including leak tests, dosimetry reports, physical inventories, and refresher training, all of which included the gauge and user in Racine.

The inspectors reviewed the licensee's corrective actions for a violation cited in IR 03035192/2014001(DNMS) involving the failure to provide recurrent hazmat training. The inspectors confirmed that the user in Racine had completed hazmat training within the last three years, and moreover was knowledgeable of DOT requirements. The inspectors also confirmed that the licensee tracked hazmat training completion for its users through annual refresher training and audits. Therefore, this violation is closed. No other violations of NRC requirements were identified.