

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Benchmark Engineering, Inc.  
607 East Lake Street  
Harbor Springs, MI 49740

REPORT NUMBER(S) 2012-01

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-18446

4. LICENSE NUMBER(S)

21-20496-01

5. DATE(S) OF INSPECTION

May 22, 2012

**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.

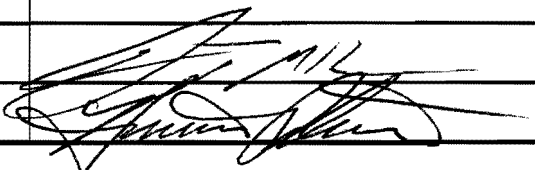
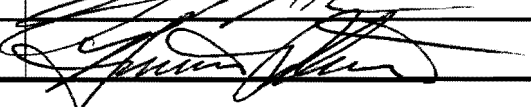
Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 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	Aaron T. McCraw		5/30/12
BRANCH CHIEF	Hironori Peterson		6/3/12

**Docket File Information**

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6. INSPECTION PROCEDURES USED

IP 87124

7. INSPECTION FOCUS AREAS

03.01 - 03.07

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)

03121

2. PRIORITY

5

3. LICENSEE CONTACT

Patricia Swiss, RSO

4. TELEPHONE NUMBER

(231) 526-2119

☒ Main Office Inspection

Next Inspection Date: 5/1/2017

☐ Field Office Inspection

☒ Temporary Job Site Inspection Off Traverse Street in Harbor Springs, MI

**PROGRAM SCOPE**

This was a routine inspection of an engineering firm that used portable moisture/density gauges. At the time of the inspection, the licensee possessed two Troxler 3400 Series gauges at its office in Harbor Springs, Michigan. The licensee is not authorized to perform any non-routine maintenance or service activities on the gauges.

**PERFORMANCE OBSERVATIONS**

The inspector observed the gauge storage area, which provided adequate security for when the gauges are not in use. All gauges that were not in use were adequately secured with two independent barriers while not under constant control and surveillance. The inspector observed a gauge user in the field. The gauge user demonstrated how gauges are transported using two independent barriers. Interviews conducted with available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques.

Independent measurements taken did not indicate readings in excess of Title 10 Code of Federal Regulations (10 CFR) Part 20 limits in unrestricted areas. The inspector reviewed the licensee's documentation demonstrating that gauge operators will not receive more than 10 percent of the regulatory exposure limits; therefore, gauge operators do not wear dosimetry. The licensee has access to a radiation survey meter through the county, if needed. A records review indicated that required physical inventories, leak tests, and personnel gauge safety and HAZMAT training had been completed.

No violations were identified during this inspection.