

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Brucker Engineering, Ltd.  
7266 Devonshire Drive  
St. Louis, MO 63119

2. NRC/REGIONAL OFFICE

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

REPORT NUMBER(S) 2016-001

3. DOCKET NUMBER(S)

030-34708

4. LICENSE NUMBER(S)

24-32076-01

5. DATE(S) OF INSPECTION

March 18, 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:

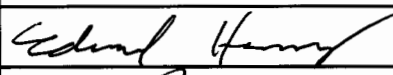
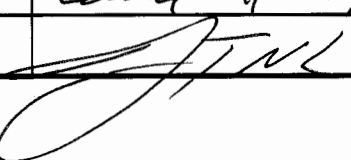
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Edward F. Harvey		4/11/16
BRANCH CHIEF	Arnon T. McCann		4/11/16

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  3.01-3.07
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  J. Leo Turek	4. TELEPHONE NUMBER  (314) 781-0126
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Main Office Inspection                      Next Inspection Date:    March 18, 2021

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

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was a routine, unannounced inspection of a privately owned and operated soils, concrete, and asphalt testing firm, with in-office review until April 11, 2016. The in-office review consisted of evaluation of information not available during the on-site inspection including HAZMAT refresher training records and gauge utilization to assess compliance with leak testing requirements. The licensee possessed four Humboldt moisture density gauges containing approximately 10 mCi of cesium-137 and 40 mCi of americium-241. The licensee also possessed one Seaman moisture density gauge containing approximately 5 mCi of radium-226. No work was being performed at the time of the inspection and all of the gauges were adequately secured in storage. The licensee employed 4 authorized gauge users with manufacturer certification.

The inspector reviewed pertinent documents including leak test records, manufacturer training certificates, program audits, dosimetry records, and the utilization log. The gauge operator provided the shipping papers for the gauges in storage, which contained all of the appropriate information and are accessible to the driver of the transport vehicle. The operator demonstrated adequate security of the gauges while in transport. The highest reported dose since the last inspection was 25 mrem whole body.

No violations were identified during this inspection.