

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Braun Intertec Corporation  
11001 Hampshire Avenue South  
Bloomington, MN 55438

*Locations inspected:  
Bismarck, ND  
Bloomington, MN*

2. NRC/REGIONAL OFFICE

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

REPORT NUMBER(S) 2016001

3. DOCKET NUMBER(S)

030-38859

4. LICENSE NUMBER(S)

22-16537-05

5. DATE(S) OF INSPECTION

*August 8<sup>th</sup> 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	<i>Ryan Craffey</i>	8/10/16
BRANCH CHIEF	Aaron McCraw	<i>AJW for ATM</i>	8/24/16

**Docket File Information**

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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  All
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**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Mark Kalahar - RSO	4. TELEPHONE NUMBER  (701) 238-9600
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: 08/08/2021
<input checked="" type="checkbox"/> Field Office Inspection	1502 Grumman Lane, Bismarck, ND
<input type="checkbox"/> Temporary Job Site Inspection	

**PROGRAM SCOPE**

This was an announced initial inspection of a geotechnical engineering firm authorized by a radioactive materials license issued on September 1, 2015 to use portable moisture density gauges at temporary job sites in NRC jurisdiction. Previous to the issuance of this license, the company used these gauges in NRC jurisdiction under reciprocity. At the time of the inspection, the company used this license primarily to work in South Dakota, Montana, and in areas of federal jurisdiction within the State of North Dakota. This work was based out of the company's Bismarck, North Dakota office, where the RSO, around 25 authorized users, and a similar number of gauges were stationed. The company's Corporate RSO, based in Bloomington, Minnesota, maintained high-level oversight of this program.

PERFORMANCE OBSERVATIONS: On August 8, 2016, the inspector interviewed the RSO, AUs, and the operations manager responsible for the use of portable gauges at the Bismarck field office. The staff demonstrated and discussed the implementation of established procedures for gauge transportation, use, routine maintenance, and emergency response. The licensee maintained calibrated and operable survey instruments at this office, which the staff demonstrated to be in good working condition. The staff also described the collection of sealed source leak tests for analysis, the conduct of semiannual physical inventories, and the licensee's training program for authorized gauge users. Through these demonstrations and discussions, the inspector found the licensee's staff to be knowledgeable of radiation protection principles and regulatory requirements. The inspector performed surveys in the vicinity of select gauges; readings were consistent with those in the applicable SSDR safety evaluations. The inspector was unable to observe the conduct of licensed activities in NRC jurisdiction; although the licensee did have an ongoing project in Lemmon, South Dakota, no density testing had been requested during the week of the inspection. The inspector reviewed a selection of records related to activities in NRC jurisdiction while in Bismarck, including leak test results and physical inventories for gauges used in South Dakota, as well as initial and refresher training materials and personnel dosimetry reports for AUs who had worked in South Dakota. The inspector also reviewed the licensee's O&E procedures, a representative example of shipping papers, and the 2015 radiation safety program audit. On August 10, 2016, the inspector interviewed the company's Corporate RSO at the licensee's headquarters in Bloomington, and discussed the development of authorized user training and other topics related to his role in oversight of the program.

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

*Gw  
for ATM*