



## Materials Inspection Record

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|---|--|---|---|---|---------------------------------------|
| 1. Licensee Name:<br>Braun Intertec Corporation   |  | 2. Docket Number(s):<br>030-38749   |   | 3. License Number(s)<br>22-16537-04   |                                       |
| 4. Report Number(s):<br>2021001   |  |   | 5. Date(s) of Inspection:<br>March 29, 2021 |   |                                       |
| 6. Inspector(s):<br>Ryan Craffey  |  | 7. Program Code(s):<br>03320  |   | 8. Priority:<br>1   | 9. Inspection Guidance Used:<br>87121 |
| 10. Licensee Contact Name(s):<br>Greg Ebeling - CRSO<br>Jason Vickers - ARSO  |  | 11. Licensee E-mail Address:<br>gebeling@braunintertec.com<br>jvickers@braunintertec.com  |   | 12. Licensee Telephone Number(s):<br>952-995-2512<br>n/a  |                                       |
| 13. Inspection Type:<br><input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine<br><input type="checkbox"/> Initial <input type="checkbox"/> Unannounced |  | 14. Locations Inspected:<br><input type="checkbox"/> Main Office <input type="checkbox"/> Temporary Job Site<br><input checked="" type="checkbox"/> Field Office <input checked="" type="checkbox"/> Remote |   | 15. Next Inspection Date (MM/DD/YYYY):<br>03/29/2022<br><input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended<br><input type="checkbox"/> Reduced <input type="checkbox"/> No change |                                       |

## 16. Scope and Observations:

This was a routine inspection of a geotechnical engineering, environmental consulting and testing firm authorized to use radioactive material for industrial radiography at temporary job sites throughout NRC jurisdiction. At the time of the inspection, the licensee's only work in NRC jurisdiction was on the Fort Berthold Reservation in North Dakota. The licensee regularly dispatched crews and QSA Model 880D cameras from its field office in Minot to perform this work. The RSO and ARSO for the NRC license were based in Bloomington, Minnesota and maintained high-level oversight of the program. The RSO for the State of North Dakota license was based in Minot and provided day-to-day oversight of activities. In accordance with current agency policy during the Covid-19 PHE, this inspection was announced and conducted remotely by means of video teleconferencing. Relevant records were reviewed via email and teleconference screen sharing.

Using the video teleconference platform, the staff provided demonstrations of daily equipment checks using equipment stationed in Minot. Their equipment was in good condition, their cameras properly labeled, their survey instruments, pocket dosimeters and alarming ratemeters calibrated and operable, and their rig suitable for the safe and secure transport of hazardous material. The inspector reviewed the setup and control of restricted areas with staff, and confirmed that they maintained adequate and legible postings and barricades on each rig. The inspector also reviewed the licensee's procedures and preparations for source retrievals with the Minot RSO, and confirmed that the licensee maintained adequate equipment and shielding at the field office in the event of such an incident. The inspector also discussed the status and oversight of the program with all three RSOs and reviewed the content and implementation of radiographer refresher training with them. All staff interviewed during this inspection were knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements.

The inspector also reviewed a selection of records for calendar year 2020, including the annual program audit (no findings), personnel dosimetry reports, and refresher training slides, which included safety topics and operational experience. The inspector also reviewed a selection of utilization logs, quarterly equipment maintenance records, sealed source and camera DU leak test results, and radiographer audits for crews and cameras involved in operations within NRC jurisdiction since the last inspection.

No violations of NRC requirements were identified as a result of this inspection.