

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: IRISNDT, Inc. 7915 Maryland Avenue Hammond, IN 46323 REPORT NUMBER(S) 2020-001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-38777	4. LICENSE NUMBER(S) 13-32791-01	5. DATE(S) OF INSPECTION January 14-15, 2020 with in-office review through 2/7/20	

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	Zahid Sulaiman, Health Physicist	<i>Zahid Sulaiman</i>	2/11/20
BRANCH CHIEF	Robert Ruiz, Acting Chief, MIB	<i>[Signature]</i>	2/19/20

Docket File Information

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6. INSPECTION PROCEDURES USED 87121, 87137	7. INSPECTION FOCUS AREAS ALL
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03320	2. PRIORITY 1	3. LICENSEE CONTACT Kyle Ledbretter, RSO	4. TELEPHONE NUMBER (219) 923-6501
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Main Office Inspection Next Inspection Date: 01/14/2021

Field Office Inspection _____

Temporary Job Site Inspection 2155 Standard Ave, Whiting IN 46394

PROGRAM SCOPE

NMED:190199 is closed.
This was a routine unannounced inspection of an industrial radiography licensee authorized to perform radiographic operations at their field site facility located in Hammond, Indiana. The majority of the radiographic operations were conducted at temporary job sites. The licensee was staffed with 17 qualified radiographers and 26 radiographer assistants, who used five radiographic exposure devices with iridium-192 (Ir-192) and one with cobalt-60 sources. The licensee corporate radiation safety officer was stationed in Houston, TX. The licensee dispatched licensed material daily from its Hammond, Indiana facility for use at temporary job sites.

Performance Observations

This inspection was limited to a review of selected records, interviews with licensee personnel, a tour of the facility, a tour of the temporary job site, and performed independent measurements. The inspector observed the radiography crew perform radiographic operations using Ir-192 source at a temporary job site in whiting, IN. The inspector had the radiographer demonstrate: (1) daily equipment checks; and (2) Miron RAD-60 R combined alarm rate and pocket dosimeter, and NDS 2000 survey meter checks. The inspector had the radiographer demonstrate the radiographic operations at the temporary job site: (1) establishing the rope barriers, (2) posting signs, (3) taking measurements outside the barriers (4) conducting direct surveillance, and (5) use of calibrated survey instrument, personnel dosimeter, combined alarm rate and pocket dosimeter. The inspector observed a radiographer perform the radiation survey of the device and the guide tube after completion of each exposure at a temporary job site. Through interviews, the inspector found that the crew was knowledgeable of radiation protection principles and licensee procedures. The inspector performed independent and confirmatory radiation survey and the reading was within the regulatory limits.

The inspector had the staff conduct a physical inventory of the sealed sources, all sealed sources were accounted for. The inspector reviewed documents pertaining to utilization logs, quarterly inventory and equipment maintenance, leak tests, radiographers' training and certifications, operating and emergency procedures, and radiation safety program audits.

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Temporary Job Site Inspection 2155 Standard Ave, Whiting IN 46394

PROGRAM SCOPE

Continued..

The inspector also reviewed selected records for initial and refresher training; equipment maintenance and sealed source leak tests reports, sealed source exchange shipping documents, survey instrument, combined alarm rate and dose meter calibrations, annual program audits, and dosimetry reports.

The maximum YTD (11/4/2019) TEDE dose to a radiographer was reported as 1,178 millirem.

The inspector discussed with the licensee staff about the incident on 4/28/2019 (EN54032) where the sealed source could not be fully retracted because the guide tube was positioned with too tight of a radius. The inspector reviewed the licensee's incident response, the incident report, and the corrective action. No issues were noted. The inspector closed the NMED #: 190199.

The inspector also conducted an enforcement follow-up inspection of a violation of 10 CFR 37.49(a). The violation involved licensee failure to maintain the capability to continuously monitor and detect without delay all unauthorized entries into its security zone. The inspector reviewed and confirmed the licensee's corrective action in which the licensee provided refresher security training to all employees who use radioactive material on November 21, 2017. The inspector closed the violation.

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