

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Metaltek International
Carondelet Division
8600 Commercial Boulevard
Pevely, MO 63070

REPORT NUMBER(S) 17001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-31524

4. LICENSE NUMBER(S)

24-26136-01

5. DATE(S) OF INSPECTION

July 28, 2017

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> | 7/28/17 |
| BRANCH CHIEF | Aaron T. McCraw, Chief, MIB | <i>ATM</i> | 8/18/17 |

Docket File Information

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| 6. INSPECTION PROCEDURES USED 87121 | 7. INSPECTION FOCUS AREAS 03.01-03.07 |
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SUPPLEMENTAL INSPECTION INFORMATION

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|---------------------------------|----------------------|---|---|
| 1. PROGRAM CODE(S) 03310 | 2. PRIORITY 2 | 3. LICENSEE CONTACT Roger Broman, Technical Director | 4. TELEPHONE NUMBER (636) 475-2141 |
|---------------------------------|----------------------|---|---|

Main Office Inspection Next Inspection Date: 07/28/2019
 Field Office Inspection
 Temporary Job Site Inspection

PROGRAM SCOPE

This was an unannounced routine inspection of a stainless steel foundry authorized to use licensed material for industrial radiography in permanent radiographic installation (PRI) at its facility in Pevely, Missouri. The licensee was staffed with four radiographers who used four radiographic exposure devices, three iridium-192 and a cobalt-60 sources. The licensee performed the radiographic operations on first shift (6:00 am to 2:00 pm) and third shift (10:00 pm - 6:00 am).

PERFORMANCE OBSERVATIONS

This inspection was limited to a review of selected records, interviews with licensee personnel, a tour of the facility, and independent measurements. The inspector had the radiographer demonstrate: (1) daily equipment checks; (2) personal dosimeter (Rad-60-alarm rate and pocket dosimeter combo), and survey meter checks; (3) visible warning signals during radiographic operations; and (4) radiation alarm system test. The inspector observed proper signs posted at the entrance to the PRI. Through interviews, the inspector found that the radiographer was knowledgeable of radiation protection principles and licensee procedures. The inspector had a radiographer conduct a physical inventory of the sealed sources. The inspector also found the radiographers' survey instruments and personal dosimeter to be properly calibrated and operable. The inspector performed independent and confirmatory surveys of the PRI while radiographic operations were in progress and found no exposures to members of the public in excess of regulatory limits.

The inspector reviewed a selection of safety-related records, including quarterly equipment maintenance and radiation safety program audits, utilization logs, PRI alarm system checks, sealed source leak test report annual refresher training, sealed source exchange shipping documents, survey instrument and personal dosimeter calibrations, and monthly dosimetry reports.

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| The maximum TEDE dose (in millirem) to a radiographer was reported as: | 2016 | YTD 4/30/2017 |
| | 469 | 60 |

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