

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Mistras Group, Inc.
3827 East 80th Place
Merrillville, IN 46410

REPORT NUMBER(S) 2017001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-35114

4. LICENSE NUMBER(S)

12-16559-02

5. DATE(S) OF INSPECTION

June 19-20, 2017, with in office review till July 19, 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>	7/21/2017
BRANCH CHIEF	Aaron T. McCraw, Chief, MIB	<i>Aaron T. McCraw</i>	7/21/17

Docket File Information
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3. DOCKET NUMBER(S) 030-35114		4. LICENSE NUMBER(S) 12-16559-02	5. DATE(S) OF INSPECTION June 19-20, 2017, with in office review till July 19, 2017
6. INSPECTION PROCEDURES USED 87121		7. INSPECTION FOCUS AREAS 03.01 - 03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03320	2. PRIORITY 1	3. LICENSEE CONTACT Jason Kleine, Site RSO	4. TELEPHONE NUMBER (219) 942-5074
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Main Office Inspection Next Inspection Date: 06/19/2018

Field Office Inspection 3827 East 80th Place, Merrillville, IN

Temporary Job Site Inspection _____

PROGRAM SCOPE

Closed NMED item number: 150320

This was a routine inspection of a multi-site industrial radiography company authorized to use byproduct materials in permanent radiographic installations (PRIs) and at temporary job sites. The inspector conducted the final exit meeting on July 20, 2017 after the in-office review of the licensee annual safety program audit report that was not available at the time of inspection. From the field station in Merrillville, Indiana, the licensee majority of work was performed at refinery facilities in Illinois and Ohio. The licensee also performed work in NRC jurisdiction (Indiana and Michigan) as needed. The licensee has not performed any shots at the PRI in the facility since the last inspection. The licensee was staffed with three qualified radiographers and four assistant radiographers who used two radiography cameras with iridium-192 and selenium-75 sources.

Performance Observations

This inspection was limited to a review of selected records, interviews with licensee personnel, a tour of the facility, and independent measurements. No field inspection was conducted at the time of this inspection. The inspector had the radiographer demonstrate: (1) daily equipment checks; (2) alarm rate meter, pocket dosimeter, and survey meter checks; (3) how to establish the 2 mrem/hr barrier; (4) posting of signs; and (5) radiographic operations at temporary job sites and at PRI. Through interviews, the inspector found that the crew was knowledgeable of radiation protection principles and license procedures. The inspector had a radiographer conduct a physical inventory of the sealed sources. The inspector reviewed documents pertaining to utilization logs, quarterly inventory, radiographers' training and certifications, operating and emergency procedures, and radiation safety program audits. The inspector reviewed the licensee's tracking mechanisms for instrument calibrations and radiographer field audits. The inspector also reviewed a selection of records for initial and refresher training, equipment maintenance and sealed source leak tests reports, sealed source exchange shipping documents, survey instrument and pocket dosimeter calibrations, annual program audits, and monthly dosimetry reports.

The maximum TEDE dose (in millirem) to a radiographer was reported as:	2016	YTD 3/31/2017
	597	96

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The inspector reviewed the licensee's incident report and the corrective action for event EN51105, inability to retract and secure the radiographic source assembly to its fully shielded position, found no issues. The inspector closed the NMED item number: 150320

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

DPH
AM
7/21/2017