

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Mistras Group, Inc.  
161 Tower Drive, Suite E  
Burr Ridge, IL 60527  
Location inspected: Merrillville, IN

REPORT NUMBER(S) 2015-003

## 2. NRC/REGIONAL OFFICE

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

## 3. DOCKET NUMBER(S)

030-35114

## 4. LICENSE NUMBER(S)

12-16559-02

## 5. DATE(S) OF INSPECTION

May 18, 2015

## 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 / Ed Harvey	<i>Ryan Craffey / Ed Harvey</i>	6/17/15
BRANCH CHIEF	Aaron McCraw	<i>Aaron McCraw</i>	6/17/15

**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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3. DOCKET NUMBER(S)  030-35114	4. LICENSE NUMBER(S)  12-16559-02	5. DATE(S) OF INSPECTION  May 18, 2015	
6. INSPECTION PROCEDURES USED  87121	7. INSPECTION FOCUS AREAS  All		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03320	2. PRIORITY  1	3. LICENSEE CONTACT  Jason Kleine, Site RSO	4. TELEPHONE NUMBER  (219) 942-5074
<input type="checkbox"/> Main Office Inspection      Next Inspection Date: 05/18/2016			
<input checked="" type="checkbox"/> Field Office Inspection    3827 East 80th Place, Merrillville, IN			
<input type="checkbox"/> Temporary Job Site Inspection			

**PROGRAM SCOPE**

This was an unannounced routine inspection of a non-destructive testing company authorized to use radioactive material for industrial radiography at numerous field stations and at temporary job sites throughout NRC jurisdiction. The licensee maintained a field station in Merrillville, Indiana, where it stationed three radiographers and one assistant. These individuals performed radiography approximately once per week, primarily in Illinois. The Corporate Radiation Safety Officer (RSO) for this license was based in Texas, while a site RSO oversaw the routine use of the radiographic exposure devices at each field station. Although the licensee maintained a permanent radiographic installation in Merrillville, the site RSO indicated that radiography conducted within the installation was treated as if it were done at a temporary job site.

**PERFORMANCE OBSERVATIONS**

The inspectors toured the Merrillville facility to evaluate the licensee's measures for hazard communication and exposure control. Independent surveys of this facility with the cameras in storage found no exposures to members of the public that were distinguishable from background. The inspectors were unable to observe the conduct of radiographic operations, as the only available job site was outside of NRC jurisdiction. However, the site RSO was still able to demonstrate a variety of activities, including equipment maintenance and transportation of radioactive material to temporary job sites. Through these demonstrations and other discussions, the inspectors found the site RSO to be knowledgeable of radiation protection principles, licensee procedures and regulatory requirements. The inspectors also found all dosimetry and survey instruments on-site to be calibrated and operable.

The inspectors reviewed a selection of safety-related records, including radiographer audits, quarterly equipment maintenance, leak tests and dosimetry reports, which indicated maximum annual whole-body exposure of 482 millirem in 2014, and 151 millirem in 2015 through March 31. The inspectors also reviewed the content and implementation of the licensee's radiation safety program with the Corporate RSO by telephone on June 17, 2015.

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