

### SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Macsteel Monroe incorporated 3000 West Ellsworth Street Monroe, MI 48161	2. NRC/REGIONAL OFFICE  U.S. Nuclear Regulatory Commission Region III 2443 Warrenville Road Suite 210 Lisle, Illinois 60532-4351
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3. DOCKET NUMBER(S) 030-14021	4. LICENSEE NUMBER(S) 21-18673-01	5. DATE(S) OF INSPECTION 01704/2009 - 01/8/09
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**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, NUREG-1600, to exercise discretion, were satisfied.

\_\_\_\_\_ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.  
(Violations and Corrective Actions)

Licensee's Statement of Corrective Actions for Item 4, above.

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	E. Kulzer		01/8/2009

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE <b>Macsteel Monroe Incorporated</b> REPORT NUMBER(S) <b>2008001</b> <b>4</b>		2. NRC/REGIONAL OFFICE <b>Region III</b> <b>2443 Warrenville Road, Suite 210</b> <b>Lisle, IL 60532</b>	
3. DOCKET NUMBER(S) <b>030-14021</b>	4. LICENSE NUMBER(S) <b>21-18673-01</b>	5. DATE(S) OF INSPECTION <b>01/ 8 /09</b>	
6. INSPECTION PROCEDURES USED <b>87124</b>		7. INSPECTION FOCUS AREAS <b>02.03 thru 02.11; 02.13 thru 02.14;02.16 thru 02.19; and 02.21</b>	

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S) <b>3120</b>	2. PRIORITY <b>5</b>	3. LICENSEE CONTACT <b>Carson Young</b>	4. TELEPHONE NUMBER <b>(743)243.3122</b>
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Main Office Inspection      Next Inspection Date: 1/2014

Field Office \_\_\_\_\_

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

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The licensee is a large steel mill. The licensee possesses five Berthold Model LB300IRL fixed gauges, each containing a nominal 2.35 mCi cobalt-60 used to measure levels of molten steel in water cooled molds. Currently, four individuals are involved with use and oversight of the devices including the RSO. Currently four sources are on-line and one is locked in storage. Each source has a dedicated lockable storage cylinder which is locked in a posted storage cabinet adjacent to the casting mold.

The licensee is authorized to remove and/or relocate gauges, however, according to the RSO, gauges are relocated, removed, etc. by the manufacturer. The licensee does not perform any service or maintenance activities on its gauges; these services are performed by the manufacturer.

**Performance Observations**

The RSO demonstrated survey techniques used if/when a gauge is relocated. Interviews conducted with employees who work in close proximity to the molds indicated an adequate level of understanding of source location and emergency procedures. Sources on-line are not accessible to workers or members of the public.

Audits are performed by the RSO and/or an authorized user every six months to complete inventory, leak tests and cylinder shutter checks. At two week intervals routine maintenance is performed on the molds to replace copper linings. This process was reviewed with the RSO and was performed in accordance with manufacturers written instructions.

Source receipt and transfer documentation was reviewed and appeared adequate.