

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Gerdau - Monroe Mill 3000 East Front Street Monroe, MI 48161 REPORT NUMBER(S) 2013-001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 030-14021	4. LICENSE NUMBER(S) 21-18673-01	5. DATE(S) OF INSPECTION June 28, 2013 with in-office review through July 9, 2013
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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:


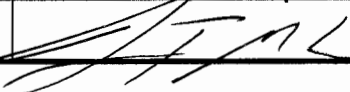
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, 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		7/9/13
BRANCH CHIEF	Aaron McCraw		7/9/13

Docket File Information

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6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS All
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Craig Metzger - RSO	4. TELEPHONE NUMBER (743) 243-3122
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Main Office Inspection Next Inspection Date: June 2018
 Field Office Inspection
 Temporary Job Site Inspection

PROGRAM SCOPE

This licensee is a large steel mill authorized by its NRC license to use Co-60 in Berthold level gauges at its facility in Monroe, MI. The licensee currently possesses six gauges for use in a new five-strand billet caster, which began operation in June 2013. One of the six gauges is kept as a spare. These new gauges replaced a set of five older gauges from a four-strand caster that had recently been decommissioned. The old gauges were transferred to a licensed vendor in early June 2013. Every six months, the licensee performs a physical inventory, leak tests all sealed sources and checks all shutters for operability. The licensee swaps out dip tubes occasionally in accordance with license conditions, but does not perform any other service or non-routine maintenance on the gauges. There are currently five individuals involved in the use of the level gauges: the RSO and two other authorized users listed on the license, who periodically attend a 40-hour radiation safety course, and two additional individuals who work with the gauges under supervision of the individuals listed on the license and who receive radiation safety awareness training every year. The three individuals listed on the license meet annually to review the radiation safety program content and implementation.

PERFORMANCE OBSERVATIONS

The inspector toured the facility, visiting the casting floor and the storage facility where spare and out of service gauges are securely stored. Independent surveys conducted in the vicinity of the gauges in storage gave readings consistent with those found in the Sealed Source and Device Registry, and independent surveys of the casting floor identified no readings above background. Confirmatory surveys of the gauges in storage demonstrated the adequacy of the licensee's survey instrument and technique. The storage area was adequately posted based on indicated readings. The inspector interviewed the RSO, one authorized user and one other employee trained to work with the gauges; all three demonstrated adequate knowledge of radiation protection principles and practices. The inspector reviewed a limited selection of licensee records during the inspection, including those for inventory, leak test, shutter checks and training. The inspector also reviewed additional records for inventory, leak testing and shutter checks during in-office review conducted through July 9, 2013.

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