

McCraw, Aaron

From: McCraw, Aaron
Sent: Tuesday, March 13, 2018 8:31 AM
To: 'Dave.sulc@nucor.com'
Subject: Acknowledgment and Response to Your Letter Dated March 7, 2018
Attachments: NRC Form 591M - Nucor Steel.pdf

Mr. Sulc,

I have received your letter dated March 7, 2018, regarding your U.S. Nuclear Regulatory Commission (NRC) inspection on November 3, 2017. In your letter, you asked if you needed a copy of the inspection report signed by me for your files. The simple answer is no. As a more detailed answer to your question, the version of the inspection report left in the field by the inspector, Mr. Dennis O'Dowd, serves as a sufficient record of the inspection. NRC inspectors are granted the authority to leave signed inspection records at the conclusion of the onsite inspection for clear (no violations) inspections, violations of minor safety significance, non-cited violations, and certain cited violations up to Severity Level IV. Upon return to the office, the inspectors provide me, as an inspection supervisor, copies of their inspection records, along with a narrative description of their inspection, for review and approval. If I do not identify any issues with the inspection, then I sign the inspection record and place a copy in the NRC's Agencywide Documents Access and Management Systems (ADAMS), which is the official electronic repository of NRC documents, and is accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>. The vast majority of our inspection records, including the narrative descriptions, are publicly available through ADAMS. I did not identify any issues with Mr. O'Dowd's inspection of your facility; therefore, the record that he provided to you at the conclusion of the inspection stands as a sufficient record of the inspection. However, although not required for completeness of your records, I have attached a full copy of the publicly available inspection record from your November 3, 2017 NRC inspection for your convenience. This completed, signed inspection record can be found in the NRC's ADAMS under Accession Number ML17319A565.

In accordance with Title 10 of the *Code of Federal Regulations* (CFR) 2.390 of the NRC's "Rules of Practice," a copy of this email will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's ADAMS.

If you have any questions regarding this correspondence, including the attached inspection record, please do not hesitate to contact me.

-Aaron
Aaron T. McCraw, Chief
Materials Inspection Branch
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission Region III
Office: (630) 829-9650
E-mail: Aaron.McCraw@nrc.gov

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Nucor Steel Corporation
4537 S. Nucor Road
Crawfordsville, IN 47933-7969

REPORT NUMBER(S) 2017001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-30835

4. LICENSE NUMBER(S)

13-25975-01

5. DATE(S) OF INSPECTION

11/03/2017

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:

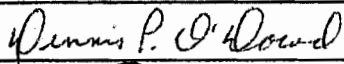
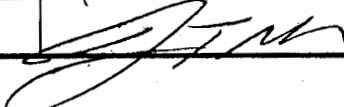
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Dennis P. O'Dowd		11/03/2017
BRANCH CHIEF	Aaron T. McCraw		11/15/17

Docket File Information

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Nucor Steel Corporation
4537 S. Nucor Road
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2. NRC/REGIONAL OFFICE

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

REPORT NUMBER(S) 2017001

3. DOCKET NUMBER(S)

030-30835

4. LICENSE NUMBER(S)

13-25975-01

5. DATE(S) OF INSPECTION

11/03/2017

6. INSPECTION PROCEDURES USED

87124

7. INSPECTION FOCUS AREAS

3.01-3.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

03120

2. PRIORITY

5

3. LICENSEE CONTACT

David A. Sulc, RSO

4. TELEPHONE NUMBER

(765) 361-2659

☒ Main Office Inspection

Next Inspection Date: 11/03/2022

☐ Field Office Inspection

☐ Temporary Job Site Inspection

PROGRAM SCOPE

This was a routine, unannounced inspection of a large steel production facility located in Crawfordsville, Indiana, authorized for possession and use of cobalt-60 (Co-60) in fixed nuclear gauges for level measurement, and americium-241 (Am-241) in fixed nuclear gauges for thickness measurement of steel. The licensee possessed three Co-60 gauges and six Am-241 gauges. The company employed approximately 750 individuals at their Crawfordsville, Indiana site. Approximately 20 individuals, including the RSO, were involved with use and oversight of the gauges, and have completed a 40-hour gauge use training course. The licensee utilized the services of a third-party company licensed to service gauges in providing staff training, gauge removal and relocation, leak test analysis, and surveys.

Performance Observations

The inspector toured the plant facility and observed nine gauges in conjunction with the licensee's current inventory. Proper lock-out and leak test procedures were also adequately described. Interviews conducted with plant workers revealed that under no circumstances would a vessel be entered without RSO supervision of lock-out/tag-out procedures. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures.

Gauges were leak tested at six-month frequencies in accordance with manufacturers' specifications. Inventories and shutter checks were performed at required frequencies. The licensee did not perform any service or maintenance activities on its gauges; these services were performed by either the manufacturer or a specifically licensed company authorized to perform such services. The inspector performed independent and confirmatory radiation measurements which indicated similar results consistent with the licensee's survey records and postings.

No violations of NRC regulatory requirements were identified within the scope of this inspection.