



Materials Inspection Report

1. Licensee/Location Inspected:

U.S. Steel Corporation
Gary Works
1 North Broadway MS 91E-2
Gary, IN 46402

Report Number(s) 2023-001

2. NRC/Regional Office

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

3. Docket Number(s)

030-36022

4. License Number(s)

13-26104-03

5. Date(s) of Inspection

February 27, 2023

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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.



A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.

(Non-cited violation(s) was/were discussed involving the following requirement(s))

B. The following violation(s) is/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 AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Ryan Craffey	 Digitally signed by Ryan J. Craffey Date: 2023.03.14 18:15:00 -04'00'
BRANCH CHIEF	Rhex Edwards	 Digitally signed by Rhex A. Edwards Date: 2023.03.23 07:48:01 -05'00'



Materials Inspection Record

1. Licensee Name: U.S. Steel Corporation - Gary Works		2. Docket Number(s): 030-36022		3. License Number(s) 13-26104-03	
4. Report Number(s): 2023-001			5. Date(s) of Inspection: February 27, 2023		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03120		8. Priority: 5	9. Inspection Guidance Used: 87124
10. Licensee Contact Name(s): ShaKeia Reese - RSO		11. Licensee E-mail Address: sreese@uss.com		12. Licensee Telephone Number(s): 219-888-5484	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/> Initial <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Hybrid <input type="checkbox"/> Field Office <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 02/27/2028 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
16. Location(s) Inspected List: Gary Works, 1 North Broadway, Gary, IN					
17. Scope and Observations: <p>U.S. Steel Corporation's Gary Works, a 2,200-employee steel-making and finishing facility, was authorized to use a variety of fixed gauges containing sealed sources of byproduct material at its facilities in Gary, Indiana. At the time of the inspection, the licensee had eight metallurgical coke moisture gauges containing Am-241:Be in its blast furnace stockhouse, three density gauges containing Cs-137 in its sinter plant and three moisture gauges in secure storage; a significant reduction since the last routine inspection following several rounds of decommissioning and device transfer. The licensee's RSO, based in Gary, was authorized to perform non-routine maintenance, assisted by service providers and device manufacturers for leak test analysis and gauge installation, removal, and repair.</p> <p>The inspector toured all three areas of the plant in Gary where licensed material was used and stored. All areas were adequately posted, and all licensed material was adequately secured. The inspector examined a majority of the licensee's devices and found those inspected to be in good condition and adequately labeled. Independent surveys in the vicinity of these devices were below regulatory limits to members of the public and consistent with SSDR safety evaluations. The inspector observed the implementation of lock-out/tag-out procedures and discussed routine and non-routine maintenance of fixed gauges with licensee staff, who were knowledgeable of radiation protection principles and regulatory requirements. The inspector also reviewed a selection of records including shutter checks, physical inventories, leak test analyses, and source transfer records, which provided full accountability of all sources possessed by the licensee at the time of the last inspection in February 2017.</p> <p>The inspector also reviewed the circumstances of two coke moisture gauge shutters found stuck in the open position since the last routine inspection (EN 55144 and 55190 / NMED 210114 and 210150). The inspector confirmed that the licensee's response (accelerated replacement of source holder wear liners) appeared to be effective at limiting material and moisture intrusion into these devices and that no additional issues of this kind have been noted since. Therefore the NRC considers both events closed.</p> <p>No violations of NRC requirements were identified as a result of this inspection.</p>					

Materials Inspection Record (Continued)

Signature and Date - Branch Chief



Digitally signed by Rhex A. Edwards
Date: 2023.03.23 07:47:40 -05'00'