

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: U.S. Steel Corporation Gary Works 1 North Broadway MS 91 E-2 Gary, IN 46402 REPORT NUMBER(S) 2017-001		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, 2017	
6. INSPECTION PROCEDURES USED IP 87124	7. INSPECTION FOCUS AREAS 03.01-03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT ShaKeia M. Reese, RSO	4. TELEPHONE NUMBER (219) 888-5484
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Main Office Inspection Next Inspection Date: 02/27/2022

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a large steel production facility authorized for possession and use of cesium-137, cobalt-60, and americium-241 in fixed nuclear gauges for density, thickness, and level measurements, and radium-226 (microcurie quantities) in a dewpoint measurement gauge. The company employed approximately 5000 individuals. The licensee possessed 44 specifically licensed fixed gauges used in the production of steel products. Currently, in addition to the RSO, approximately 20 individuals were trained as radiation safety coordinators involved with use and oversight of the devices. 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 approximately twenty gauges in conjunction with the licensee's current inventory. The RSO demonstrated survey techniques used if/when a gauge is relocated. Proper lock-out and leak test procedures were also adequately described. Interviews conducted with licensee staff revealed that under no circumstances would a vessel be entered without RSO supervision of lockout/tagout procedures. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures.

Gauges were leak tested at required frequencies in accordance with manufacturers' specifications. Inventories and shutter checks were performed at required frequencies. The licensee was authorized to remove and/or relocate gauges; however, gauges are relocated, removed, etc. by a specifically licensed company authorized to provide such services. The licensee does not perform any service or maintenance activities on its gauges; these services are performed by a specifically authorized company. The inspector performed independent and confirmatory measurements that indicated results consistent with the licensee's survey records and postings.

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