

SAFETY INSPECTION REPORT
AND COMPLIANCE INSPECTION

1. LICENSEE Nucor Steel Corporation REPORT NUMBER(S) 08-01		2. NRC/REGIONAL OFFICE Region III 2443 Warrenville Road, Suite 210 Lisle, IL 60532	
3. DOCKET NUMBER(S) 030-30835	4. LICENSE NUMBER(S) 13-25975-01	5. DATE(S) OF INSPECTION May 15, 2008	
6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01 – 03.07		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Dave Sulc, RSO	4. TELEPHONE NUMBER 765/361-2659
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<input checked="" type="checkbox"/>	Main Office Inspection	Next Inspection Date: May 2013
<input type="checkbox"/>	Field Office	
<input type="checkbox"/>	Temporary Job Site Inspection	

PROGRAM SCOPE

This is a large steel facility that mainly produces rolled sheet steel. The licensee is authorized to possess Co-60 in fixed gauges for level measurement and Am-141 in fixed gauges for thickness measurement of steel. Currently the licensee possesses three Co-60 sources and 6 AM-241 sources.

Performance Observations

The inspector discussed the licensee's program with the radiation safety officer/environmental engineer and an electrician supervisor (previous RSO). These individuals were familiar with the requirements of the license. The inspector toured the licensee's facility to verify the locations of the Co-60 and Am-241 sources. The inspector noted that while all labels on the devices were legible some of the labels were deteriorating or partially covered by dirt or grease. Licensee staff indicated that they would review the condition of labels and replace those that had deteriorated. Operators were aware that the devices contained radioactive materials. Shutters were closed on all devices containing radioactive material where the paper production lines were shut down.

The licensee retains a consultant to perform shutter checks, leak tests and inventory of devices. A review of records indicated the shutter checks, leak tests and inventories were performed at the required frequencies (every 6 months). Individuals working in the vicinity of the gauges received initial and annual radiation safety training.

No violations of NRC requirements were identified.