



Region 6 - Enforcement & Compliance Assurance Division
INSPECTION REPORT

Inspection Date(s):	04/23/2022	
Media Program:	Air	
Regulatory Program(s)	Title V	
Company Name:	Nucor Steel Louisiana LLC	
Facility Name:	Direct Reduced Iron Facility	
Facility Physical Location:	9101 HWY 3125	
(city, state, zip code)	Convent, LA 70723	
Mailing address:	9101 HWY 3125	
(city, state, zip code)	Convent, LA 70723	
County/Parish:	St. James	
Facility Phone Number	225-331-4000	
Facility Contact:	Marshall Crawford	Environmental Manager
	Marshall.Crawford@Nucor.com	
FRS Number:	110056317677	
Identification/Permit Number:	3086-V9	
Media Identifier Number:	22-09300281	
NAICS:	331110	
SIC:	3312	
Personnel participating in inspection:		
Sarah Frey	EPA ECD-AT	Inspector
Richard Helmich	EPA NEIC	Chemist
David Mahoney	EPA NEIC	Technical Coordinator
Ali Gitipour	EPA ORD	Engineer
Sophia Ong	LDEQ	Environmental Scientist
Marshall Crawford	Nucor Steel	Environmental Manager
Erika Caruso	Nucor Steel	Environmental Engineer
Lane Grant	Nucor Steel	Technical Manager
EPA Lead Inspector Signature/Date	<i>Sarah Frey</i> Sarah Frey	6/24/2022 Date
Supervisor Signature/Date	JAMES LEATHERS James Leathers	Digitally signed by JAMES LEATHERS Date: 2022.07.15 16:30:30 -05'00' Date

Section I – INTRODUCTION

PURPOSE OF THE INSPECTION

EPA inspector Sarah Frey, accompanied by Richard Helmich (National Enforcement Investigations Center, “NEIC”), David Mahoney (NEIC), and Ali Gitipour (Office of Research and Development), arrived at Nucor Steel Louisiana LLC – Direct Reduced Iron Facility at 8:35 am on April 23, 2022 for an announced inspection. Notification of the inspection occurred on Friday, April 22, 2022. We were accompanied by Louisiana Department of Environmental Quality inspector Sophia Ong. We checked in at the security gate and then met with Marshall Crawford/Environmental Manager, Lane Grant/Technical Manager, and Erika Caruso/Environmental Engineer. Credentials were presented to Mr. Crawford, and we informed him that this was an EPA inspection to evaluate potential sources of excess emissions using EPA’s Geospatial Measurement of Air Pollution (“GMAP”) vehicle and evaluate compliance with the facility’s Title V Permit and the Clean Air Act. The scope of the inspection is a partial compliance evaluation (“PCE”). This inspection occurred as part of the Administrator’s Multi-Scale Monitoring Project called the Pollution Accountability Team (PAT).

FACILITY DESCRIPTION

The Nucor Steel Louisiana LLC – Direct Reduced Iron Facility processes iron oxide pellets into iron to be shipped to offsite steel mills. The facility began operations in 2013 and operates under Permit Number 3086-V9 issued June 23, 2020.

Section II - OBSERVATIONS

The NEIC GMAP was driven by Mr. Mahoney and the instruments were operated by Mr. Helmich and Mr. Gitipour. A facility representative, Ms. Caruso, was present in the GMAP. Inspectors Dr. Frey and Ms. Ong were escorted in a facility vehicle by Mr. Crawford. Ms. Caruso led the GMAP throughout and around the facility, where air pollution data was collected and recorded. A full report from the GMAP will be issued by NEIC at a later date.

When driving past the ore yard, low concentrations of sulfur dioxide were detected above background/baseline ambient concentrations. Downwind of the cooling tower, concentrations of methane were detected above background. No photos or videos were taken during the inspection.

Section III – AREAS OF CONCERN

Richard Helmich and Sarah Frey conducted a closing conference at Nucor Steel Louisiana LLC – Direct Reduced Iron Facility at 10:10 am on April 23, 2022 for the inspection. Davie Lartigue, Operations Manager, Mr. Crawford, Ms Caruso, and Mr. Grant were in attendance. During the closing conference, Mr. Helmich reviewed the emissions detected by the GMAP during the inspection. We observed no areas of concern at the time of the inspection and departed at 10:30 am.

Section IV – FOLLOW UP

No additional information was received by EPA after exiting the Facility on April 23, 2022.

Section V – LIST OF APPENDICES

No appendices.