US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

T089-7663-00121

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: U.S. Steel – Gary Works
Source Address: One North Broadway, Gary, Indiana 46402
Mailing Address: One North Broadway, Gary, Indiana 46402
Part 70 Permit No.: T089-7663-00121

Months: January 1 **to** March 31 **Year:** 2007

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☒ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Permit Requirement (specify permit condition #) C.1(a), D.7.16

Date of Deviation: 02/06/07	**Duration of Deviation:** 6 minutes/deviation

Number of Deviations: 1

Probable Cause of Deviation: Keeper closed hole without the ceramic sealing ring combined with a cut nozzle allowed clay to leak in the trough where it burned and produced emissions.

Response Steps Taken: Review procedure with Keeper.

Permit Requirement (specify permit condition #) C.1(a), D.7.16

Date of Deviation: 03/14/07	**Duration of Deviation:** 6 minute/deviation

Number of Deviations: 2

Probable Cause of Deviation: While preparing for an outage, bearing failure to shaft of No. 2 fan reduced baghouse emissions capture.

Response Steps Taken: Repair the damage to No. 2 fan.

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Dale Baker

Title/Position: Division Manager, Iron Producing

Date: April 23, 2007

Phone: 219.888.4688

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

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Permit Requirement (specify permit condition #) D.9.4(c), D.9.17	
Date of Deviation: 01/15/07	**Duration of Deviation:** 3 minutes
Number of Deviations: 1	
Probable Cause of Deviation: Water entrained in the scrap that was charged was possibly frozen.	
Response Steps Taken: Increase scrap preheating time to prevent further incidents.	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Casey C. Carrabine

Title/Position: Division Manager, Steel Producing North

Date: April 23, 2007

Phone: 219.888.4803

Attach a signed certification to complete this report.

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

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Permit Requirement (specify permit condition #) D.8.4(b), D.8.15

Date of Deviation: 02/12/07	**Duration of Deviation:** 3 minutes
Number of Deviations: 1	
Probable Cause of Deviation: Reaction from resuming the blow on Mary furnace.	
Response Steps Taken: Visually check lime feed system to ensure that there is no contamination.	

Permit Requirement (specify permit condition #) D.8.4(b), D.8.15

Date of Deviation: 02/23/07	**Duration of Deviation:** 3 minutes
Number of Deviations: 1	
Probable Cause of Deviation: Puffing condition from Evelyn's furnace lance port	
Response Steps Taken: Checked duct system for leaks and possible sources of extraneous air. Seal leaks between breach and upper hood.	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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Form Completed By: Robert H. Lange

Title/Position: Division Manager, Steel Producing South

Date: April 23, 2007

Phone: 219.888.7435

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

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Permit Requirement (specify permit condition #) D.2.4(c)(2)

Date of Deviation: 01/23/07	**Duration of Deviation:** Not applicable

Number of Deviations: 1

Probable Cause of Deviation: Condition of thru-walls on No. 2 Battery Oven 46.

Response Steps Taken: Extend coking time until Ovens 46 and 47 are removed from service to replace the heating wall as part of the "thru-wall" project.

Permit Requirement (specify permit condition #) D.2.4(c)(2)

Date of Deviation: 01/24/07	**Duration of Deviation:** Not applicable

Number of Deviations: 1

Probable Cause of Deviation: Condition of thru-walls on No. 2 Battery Oven 46.

Response Steps Taken: Extend coking time until Ovens 46 and 47 are removed from service to replace the heating wall as part of the "thru-wall" project.

Permit Requirement (specify permit condition #) D.2.4(a), D.2.5(e)	
Date of Deviation: 02/28/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: 15 door leaks out of 130 observed.	
Response Steps Taken: Seal leaks on the leaking doors.	
Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 03/26/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: Pusher Operator failure to notify Manager of possible green heat prior to push on No. 5 Battery Oven 64.	
Response Steps Taken: Reinstruct pushing operator on proper notification of possible green heat.	
Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 03/27/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: The east side duct limit vibrated loose causing the duct to retract during the push on No. 5 Battery Oven 74 causing the baghouse to lose some of its suction.	
Response Steps Taken: Install a permissive on the ram that will not allow the duct to retract during the push.	
Permit Requirement (specify permit condition #) C.1(a) and D.2.5(i) (See Attachment 1)	
Date of Deviation:	**Duration of Deviation:** Not applicable
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Anthony E. Pacilio

Title/Position: Division Manager, Coke Operations

Date: April 23, 2007

Phone: 219.888.4028

Attachment 1

U.S. Steel - Gary Works
Part 70 Permit No.: T089-7663-00121

Permit Requirement: C.1(a) and D.2.5(i)

Battery No. 2

Dates of Deviation:	01/01/2007-03/31/2007
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	644
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.

Battery No. 5

Dates of Deviation:	01/01/2007-03/31/2007
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	940
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.

Battery No. 7

Dates of Deviation:	01/01/2007-03/31/2007
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	642
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.