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: July 1 **to** September 30 **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: 08/21/2007	**Duration of Deviation:** 6 minutes

Number of Deviations: 1

Probable Cause of Deviation: Tap hole started to blow unexpectedly while iron was casting into first ladle. The crew began to close the tap and there was insufficient time to turn on the natural gas flame suppression.

Response Steps Taken: Review natural gas flame suppression procedure with casthouse crews.

Permit Requirement (specify permit condition #) C.5(a)(12)

Date of Deviation: 08/28/07	**Duration of Deviation:** 3 minute

Number of Deviations: 1

Probable Cause of Deviation: The furnace was in the process of coming off curtailment. While the coal injection system was stabilizing some of the coal was not burned in the raceway and traveled through the furnace past the worn bell seal.

Response Steps Taken: Reduce coal injection rate and then remove coal injection and replace with oil.

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: Gary Levanduski

Title/Position: Division Manager, Iron Producing

Date: October 19, 2007

Phone: 219.888.4688

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

T089-7663-00121

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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: Casey C. Carrabine

Title/Position: Division Manager, Steel Producing North

Date: October 19, 2007

Phone: 219.888.4803

Attach a signed certification to complete this report.

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

T089-7663-00121

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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: Robert H. Lange

Title/Position: Division Manager, Steel Producing South

Date: October 19, 2007

Phone: 219.888.7435

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
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Permit Requirement (specify permit condition #) D.2.4(c)(2)

Date of Deviation: 07/11/07	**Duration of Deviation:** Not applicable

Number of Deviations: 4

Probable Cause of Deviation: Speed of pusher ram may have been set to push faster than the capacity for the scrubber cars to capture emissions during pushing operations.

Response Steps Taken: Reduced the speed of the pusher ram.

Permit Requirement (specify permit condition #) D.2.4(a), D.2.5(e)

Date of Deviation: 07/11/07	**Duration of Deviation:** Not applicable

Number of Deviations: 1

Probable Cause of Deviation: 18 door leaks out of 150 observed.

Response Steps Taken: Sealed leaks on the leaking doors.

Permit Requirement (specify permit condition #) D.2.4(a) and D.2.5(e)	
Date of Deviation: 07/11/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: 10 door leaks out of 85 observed.	
Response Steps Taken: Sealed leaks on the leaking doors	
Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 07/12/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: Dedusting procedure was not followed	
Response Steps Taken: Automate dedusting system	
Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 07/19/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: Improper heating and pusher ram kicked out and stopped.	
Response Steps Taken: Clean out oven gas headers, orifices and lines to improve heating temperature.	
Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 07/22/07	**Duration of Deviation:** Not applicable
Number of Deviations: 2	
Probable Cause of Deviation: Heating wall flues were plugged causing poor combustion and poor oven temperature.	
Response Steps Taken: Increased coking time and cleaned flues.	

Permit Requirement (specify permit condition #) D.2.4 (a) and D.2.5 (e)	
Date of Deviation: 07/26/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: 15 door leaks out of 140 observed.	
Response Steps Taken: Sealed leaks on the leaking doors and/or cleaned and adjusted doors	
Permit Requirement (specify permit condition #) D.2.4 (e)(1) and D.2.5 (c)	
Date of Deviation: 07/31/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: 5 offtake leaks out of 84 observed.	
Response Steps Taken: Sealed all leaking offtakes and/or replaced offtake bases.	
Permit Requirement (specify permit condition #) D.2.4 (a) and D.2.5 (e)	
Date of Deviation: 08/13/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: 19 door leaks out of 138 observed.	
Response Steps Taken: Sealed leaks on the leaking doors and installed steam transmitters to monitor steam usage.	
Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 09/07/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: Heating wall flues were plugged causing poor combustion and poor oven temperature.	
Response Steps Taken: Cleaned flues and re-instruct personnel on minimizing green heat procedure.	

Permit Requirement (specify permit condition #) D.2.4(c)(2)	
Date of Deviation: 09/14/07	**Duration of Deviation:** Not applicable
Number of Deviations: 1	
Probable Cause of Deviation: Poor oven temperature causing poor combustion.	
Response Steps Taken: Retrain personnel on new procedure for minimizing green heat.	
Permit Requirement (specify permit condition #) C.1 (b) and D.2.5 (i)	
Date of Deviation: 09/15/07	**Duration of Deviation:** 15 minutes
Number of Deviations: 1	
Probable Cause of Deviation: Nitrogen pressure drop caused No. 9 Boiler to trip causing steam pressure to drop resulting in loss of plant suction.	
Response Steps Taken: Re-establish plant suction after re-lighting the boiler.	
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:	

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: October 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:	07/01/07-09/30/07
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	429
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:	07/01/07-09/30/07
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	1104
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:	07/01/07-09/30/07
Duration of Deviation:	6 minutes/deviation
No. of Deviations:	1493
Probable Cause of Deviation:	Condition of oven walls
Response Steps Taken:	Lower mushroom in air box to to reduce particulates to stack.