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Is Confidential Business Information Included? ☒ No

Submission Form Creation Date: 01/05/2009
Filer's Name: Kushal Som

Company Name: US STEEL (USX, GARY WORKS)
Address: ONE NORTH BROADWAY, MS-70
City: GARY
State: IN
Zip Code: 46402

AFS ID: 1808900121
State ID:
Litigation Hold in Effect? No

File Category/Record Schedule:

☒ **Compliance Files (Schedule 211)**

File Subcategory Name: **Intent to Test Notifications**

Document Tracking Number: **11208**

Record/Case Closure Procedure: **Close inactive records at end of year. Destroy 5 years after file closure.**

Record/Case Closure Date: **01/05/2009**
Bates Number(s):

Comments:

Federal Records Center

Date Sent to FRC:
Accession Number:
FRC Location:

01/05/2009

United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

August 8, 2008

RECEIVED
AUG 19 2008
AIR ENFORCEMENT BRANCH
U.S. EPA, REGION 5

Certified Mail
Return Receipt Requested

Dave Cline
Indiana Department of Environmental Management
Compliance Data Section
Mail Code 61-50
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Certified Mail
Return Receipt Requested

Director: Air & Radiation Division
U. S. EPA Region V
77 West Jackson Blvd.
Chicago, Illinois 60604-3507

Subject: U.S. Steel – Gary Works
40 CFR 63, Subpart FFFFF
NESHAP for Integrated Iron Manufacturing Facility
Performance Testing Notification per 40 CFR 63.7840(d)

To Whom It May Concern:

This letter serves as the sixty (60) day notification of U.S. Steel's intent to perform testing at Gary Works. Attached please find stack test protocols to determine particulate matter (PM) emission rates at the following facilities.

- Sinter Plant Windbox North and South Stacks
- Sinter Plant Discharge End Baghouses Nos. 1 and 3 Stacks
- No. 14 Blast Furnace Casthouse Baghouse Stack

Testing at these facilities are scheduled during the month of October 2008. As required by IDEM rule 326 IAC 3-6-2(h), IDEM will be notified fourteen (14) days prior to the exact testing dates.

If there are any questions, please contact me at 219.888.3387.

Sincerely,

Jim Alexander
Manager, Environmental Air Compliance

cc: David Sampias
Northwest Regional Office
8380 Louisiana Street
Merrillville, Indiana 46410

Rodney Sommerville
City of Gary
Environmental Affairs Department
839 Broadway, 2nd Floor NE
Gary, Indiana 46402

EPA-R5-2012-0005960000285

Compliance Test Protocol
Indiana Department of Environmental Management
Office of Air Quality/Compliance Data Section
100 North Senate Avenue, Mail Station 61-50
Indianapolis, IN 46204-2251
Phone: 317/232-8443 Fax: 317/233-6865

Date Prepared: 08/08/08 **Proposed Test Date:** 10/2008 **Plant Address:** One North Broadway **Plant Location:** Gary

1. SOURCE INFO: **ID/Permit No.:** 089-00121

Company:	U. S. Steel Group - Gary Works
Mail Address:	One North Broadway, MS-70A
City, State, Zip:	Gary, Indiana, 46402
Company Contact:	Jim Alexander Phone: 219.888.3387

5. Check Applicable Program:

Title V: X FESOP: ____

SSOA: ____ MSOP: ____

Other: 40 CFR 63 Subpart FFFFF

AGENCY USE ONLY: **Date Received:**

Inspector: **Approval Date:**

Reviewer: **Comments:**

2. TEST COMPANY INFORMATION

Name:	To Be Determined
Address:	
City, State, Zip:	
Contact:	Phone:

3. PROCESS INFORMATION (Submit a separate form for each unit to test)

Unit to Test:	Sinter Plant North Windbox Stack
Max. Rated Capacity:	approximately 190 tons per hour
Proposed Operating Speed:	>50%

Describe method used to determine operating level:

Production tonnage scales

Pollution Control Equipment:	Baghouse

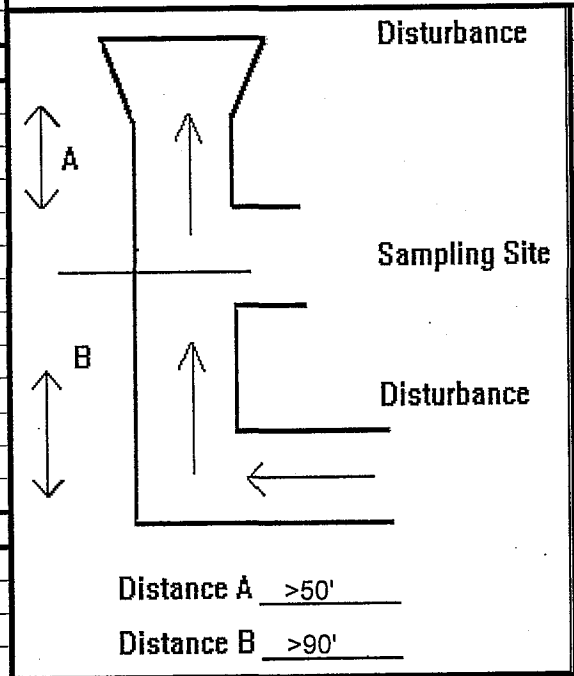
Process Description: Iron-carrying process waste from other areas at the plant are fused to yield iron to be introduced into the blast furnaces as feed stock. The components of the burden are heated under an induced draft to combust non-iron components.

Fuel Type: N/A

4. TEST INFORMATION	No. Runs	Time
Method 202	3	60 min
Method 5	3	60 min
Method 6C	3	60 min

Describe any deviations from standard test method:

6. SAMPLE SITE LOCATION



No. of sample points for Method 5:	12
Diameter at sample site:	11 ft
Stack Height:	185 ft
Approximate Stack gas flow (ACFM):	403,000
Approximate Stack gas temp (deg. F):	235
Approximate Stack gas moisture (%):	7
Does sample port location meet 40 CFR 60, Appx. A, Method 1, Sec. 1.2 Requirements:	Yes

If No, explain:

7. REASON FOR TEST

Operating Permit:	No
Construction Permit:	No
If yes, Unit Start Up Date:	NA
State Agreed Order: Please include No.	No
Title V:	No
Compliance with 326 IAC NSPS 40 CFR 60 Subpart FFFFF:	Yes

Other (EPA, CD, State, 114):

40 CFR 63 Subpart FFFFF

326 IAC 3-6-2(a) requires this completed form to be submitted 35 days prior to the proposed test date to the above address. 326 IAC 2-1.1-7(6)(B) requires any applicable test fee to be submitted with the protocol. (FEE NOT APPLICABLE IF PROGRAM IS FESOP, TITLE V OR VE TESTING ONLY.)

EPA-USS-0299580

EPA-R5-2012-0005960000285

Compliance Test Protocol

Indiana Department of Environmental Management
Office of Air Quality/Compliance Data Section
100 North Senate Avenue, Mail Station 61-50
Indianapolis, IN 46204-2251
Phone: 317/232-8443 Fax: 317/233-6865

Date Prepared: 08/08/08 **Proposed Test Date:** 10/2008 **Plant Address:** One North Broadway **Plant Location:** Gary

1. SOURCE INFO: **ID/Permit No.:** 089-00121

Company:	U. S. Steel Group - Gary Works
Mail Address:	One North Broadway, MS-70A
City, State, Zip:	Gary, Indiana, 46402
Company Contact:	Jim Alexander Phone: 219.888.3387

5. Check Applicable Program:
Title V: X FESOP: ____
SSOA: ____ MSOP: ____
Other: 40 CFR 63 Subpart FFFFF

AGENCY USE ONLY: **Date Received:**
Inspector: **Approval Date:**
Reviewer: **Comments:**

2. TEST COMPANY INFORMATION

Name:	To Be Determined
Address:	
City, State, Zip:	
Contact:	Phone:

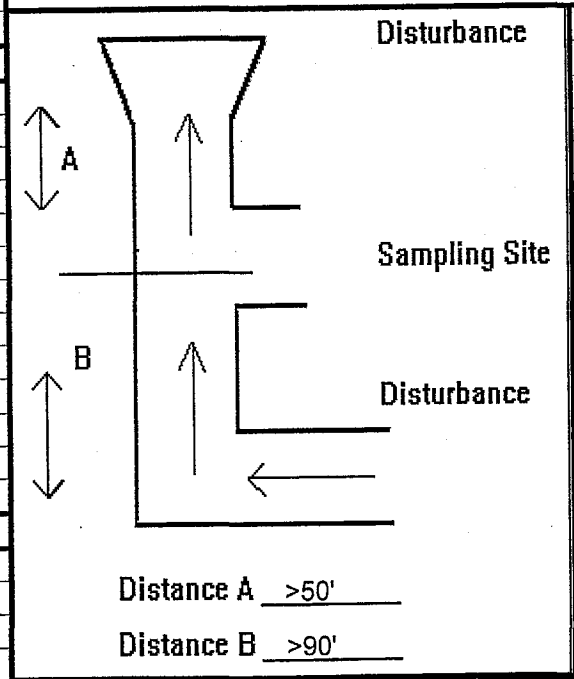
3. PROCESS INFORMATION (Submit a separate form for each unit to test)

Unit to Test:	Sinter Plant South Windbox Stack
Max. Rated Capacity:	approximately 190 tons per hour
Proposed Operating Speed:	>50%
Describe method used to determine operating level:	NA
Production tonnage scales	
Pollution Control Equipment:	Baghouse
Process Description:	Iron-carrying process waste from other areas at the plant are fused to yield iron to be introduced into the blast furnaces as feed stock. The components of the burden are heated under an induced draft to combust non-iron components.
Fuel Type:	N/A

4. TEST INFORMATION	No. Runs	Time
Method 202	3	60 min
Method 5	3	60 min
Method 6C	3	60 min

Describe any deviations from standard test method:

6. SAMPLE SITE LOCATION



No. of sample points for Method 5:	12
Diameter at sample site:	11 ft
Stack Height:	185 ft
Approximate Stack gas flow (ACFM):	360,000
Approximate Stack gas temp (deg. F):	205
Approximate Stack gas moisture (%):	8
Does sample port location meet 40 CFR 60, Appx. A, Method 1, Sec. 1.2 Requirements:	Yes
If No, explain:	

7. REASON FOR TEST

Operating Permit:	No
Construction Permit:	No
If yes, Unit Start Up Date:	NA
State Agreed Order: Please include No.	No
Title V:	No
Compliance with 326 IAC NSPS 40 CFR 60 Subpart FFFFF:	Yes
Other (EPA, CD, State, 114):	
40 CFR 63 Subpart FFFFF	

326 IAC 3-6-2(a) requires this completed form to be submitted 35 days prior to the proposed test date to the above address. 326 IAC 2-1.1-7(6)(B) requires any applicable test fee to be submitted with the protocol. (FEE NOT APPLICABLE IF PROGRAM IS FESOP, TITLE V OR VE TESTING ONLY.)

EPA-USS-0299581

EPA-R5-2012-0005960000285

Compliance Test Protocol
Indiana Department of Environmental Management
Office of Air Quality/Compliance Data Section
100 North Senate Avenue, Mail Station 61-50
Indianapolis, IN 46204-2251
Phone: 317/232-8443 Fax: 317/233-6865

Date Prepared: 08/08/08 **Proposed Test Date:** 10/2008 **Plant Address:** One North Broadway **Plant Location:** Gary

1. SOURCE INFO: **ID/Permit No.:** 089-00121

Company:	U. S. Steel Group - Gary Works
Mail Address:	One North Broadway, MS-70A
City, State, Zip:	Gary, Indiana, 46402
Company Contact:	Jim Alexander Phone: 219.888.3387

5. Check Applicable Program:

Title V: X FESOP: ____

SSOA: ____ MSOP: ____

Other: 40 CFR 63 Subpart FFFFF

AGENCY USE ONLY: **Date Received:**

Inspector: **Approval Date:**

Reviewer: **Comments:**

2. TEST COMPANY INFORMATION

Name:	To Be Determined
Address:	
City, State, Zip:	
Contact:	Phone:

3. PROCESS INFORMATION (Submit a separate form for each unit to test)

Unit to Test:	*Sinter Plant Discharge End Baghouse No. 1*
Max. Rated Capacity:	approximately 190 tons per hour
Proposed Operating Speed:	>50%
Describe method used to determine operating level:	NA
Production tonnage scales	
Pollution Control Equipment:	Baghouse
Process Description:	*Iron-carrying process waste from*

other areas at the plant are fused to yield iron to be introduced into the blast furnaces as feed stock. The components of the burden are heated under an induced draft to combust non-iron components.

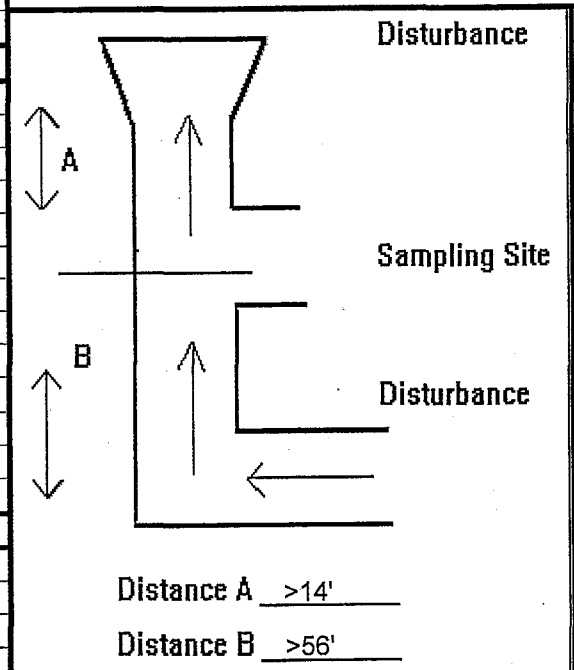
Fuel Type: N/A

4. TEST INFORMATION

	No. Runs	Time
Method 1-5	3	60 min
Method 9	3	60 min

Describe any deviations from standard test method:

6. SAMPLE SITE LOCATION



No. of sample points for Method 5:	12
Diameter at sample site:	7 ft
Stack Height:	112 ft
Approximate Stack gas flow (ACFM):	130,000
Approximate Stack gas temp (deg. F):	147
Approximate Stack gas moisture (%):	2
Does sample port location meet 40 CFR 60, Appx. A, Method 1, Sec. 1.2 Requirements:	Yes
If No, explain:	

7. REASON FOR TEST

Operating Permit:	No
Construction Permit:	No
If yes, Unit Start Up Date:	NA
State Agreed Order: Please include No.	No
Title V:	Yes
Compliance with 326 IAC NSPS 40 CFR 60 Subpart ____:	No
Other (EPA, CD, State, 114):	
40 CFR 63 Subpart FFFFF	

326 IAC 3-6-2(a) requires this completed form to be submitted 35 days prior to the proposed test date to the above address. 326 IAC 2-1.1-7(6)(B) requires any applicable test fee to be submitted with the protocol. (FEE NOT APPLICABLE IF PROGRAM IS FESOP, TITLE V OR VE TESTING ONLY.)

EPA-USS-0299582

EPA-R5-2012-0005960000285

Compliance Test Protocol
Indiana Department of Environmental Management
Office of Air Quality/Compliance Data Section
100 North Senate Avenue, Mail Station 61-50
Indianapolis, IN 46204-2251
Phone: 317/232-8443 Fax: 317/233-6865

Date Prepared: 08/08/08 **Proposed Test Date:** 10/2008 **Plant Address:** One North Broadway **Plant Location:** Gary

1. SOURCE INFO: **ID/Permit No.:** 089-00121

Company: U. S. Steel Group - Gary Works
Mail Address: One North Broadway, MS-70A
City, State, Zip: Gary, Indiana, 46402
Company Contact: Jim Alexander Phone: 219.888.3387

5. Check Applicable Program:
Title V: X FESOP: ____
SSOA: ____ MSOP: ____
Other: 40 CFR 63 Subpart FFFFF

AGENCY USE ONLY: **Date Received:**
Inspector: **Approval Date:**
Reviewer: **Comments:**

2. TEST COMPANY INFORMATION

Name: To Be Determined
Address:
City, State, Zip:
Contact: Phone:

3. PROCESS INFORMATION (Submit a separate form for each unit to test)

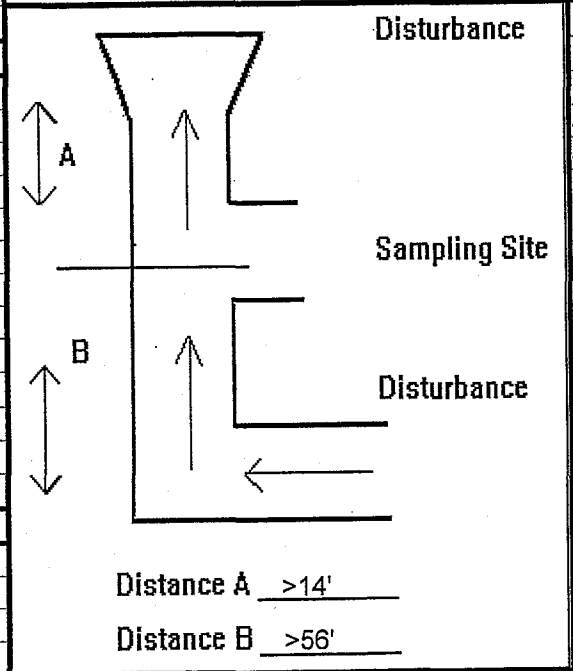
Unit to Test: Sinter Plant Discharge End Baghouse No. 3
Max. Rated Capacity: approximately 190 tons per hour
Proposed Operating Speed: >50%
Describe method used to determine operating level: NA
Production tonnage scales

Pollution Control Equipment: Baghouse
Process Description: Iron-carrying process waste from other areas at the plant are fused to yield iron to be introduced into the blast furnaces as feed stock. The components of the burden are heated under an induced draft to combust non-iron components.
Fuel Type: N/A

4. TEST INFORMATION	No. Runs	Time
Method 1-5	3	60 min
Method 9	3	60 min

Describe any deviations from standard test method:

6. SAMPLE SITE LOCATION



No. of sample points for Method 5:	12
Diameter at sample site:	7 ft
Stack Height:	112 ft
Approximate Stack gas flow (ACFM):	150,000
Approximate Stack gas temp (deg. F):	137
Approximate Stack gas moisture (%):	2
Does sample port location meet 40 CFR 60, Appx. A, Method 1, Sec. 1.2 Requirements:	Yes

If No, explain:

7. REASON FOR TEST

Operating Permit:	No
Construction Permit:	No
If yes, Unit Start Up Date:	NA
State Agreed Order: Please include No.	No
Title V:	Yes
Compliance with 326 IAC NSPS 40 CFR 60 Subpart ____:	No
Other (EPA, CD, State, 114):	

40 CFR 63 Subpart FFFFF

326 IAC 3-6-2(a) requires this completed form to be submitted 35 days prior to the proposed test date to the above address. 326 IAC 2-1.1-7(6)(B) requires any applicable test fee to be submitted with the protocol. (FEE NOT APPLICABLE IF PROGRAM IS FESOP, TITLE V OR VE TESTING ONLY.)

EPA-USS-0299583

EPA-R5-2012-0005960000285

Compliance Test Protocol
Indiana Department of Environmental Management
Office of Air Quality/Compliance Data Section
100 North Senate Avenue, Mail Station 61-50
Indianapolis, IN 46204-2251
Phone: 317/232-8443 Fax: 317/233-6865

Date Prepared: 08/08/08 **Proposed Test Date:** 10/2008 **Plant Address:** One North Broadway **Plant Location:** Gary

1. SOURCE INFO: **ID/Permit No.:** **089-00121**

Company: U. S. Steel Group - Gary Works
Mail Address: One North Broadway, MS-70A
City, State, Zip: Gary, Indiana, 46402
Company Contact: Jim Alexander Phone: 219.888.3387

5. Check Applicable Program:
Title V: X FESOP: ____
SSOA: ____ MSOP: ____
Other: **40 CFR 63 Subpart FFFFF**

AGENCY USE ONLY: **Date Received:**
Inspector: **Approval Date:**
Reviewer: **Comments:**

2. TEST COMPANY INFORMATION

Name: To Be Determined
Address:
City, State, Zip:
Contact: Phone:

3. PROCESS INFORMATION (Submit a separate form for each unit to test)

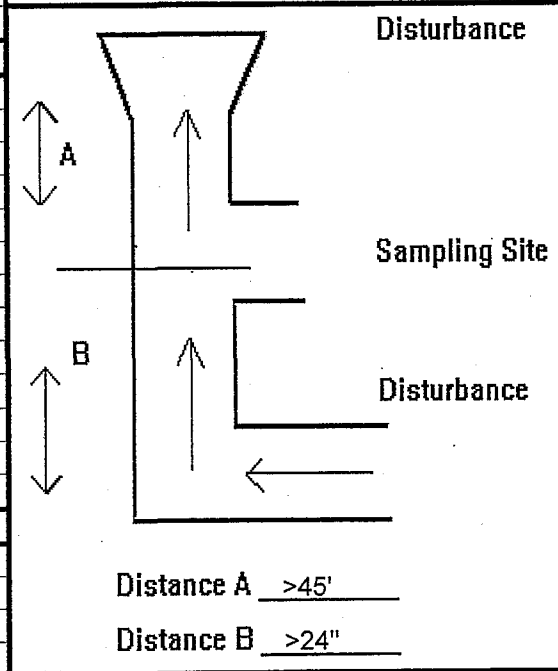
Unit to Test: No. 14 Blast Furnace Casthouse
Max. Rated Capacity:
Proposed Operating Speed: NA
Describe method used to determine operating level: NA
Production Data

Pollution Control Equipment: Baghouse
Process Description:
Iron oxides are chemcially reduced and physically converted into liquid iron called "hot metal". Gases generated during the casting process is exhausted to the baghouse.
Fuel Type: N/A

4. TEST INFORMATION	No. Runs	Time
Method 1-5	3	*
Method 9	3	*
*Sample time based on furnace tapping operations.		

Describe any deviations from standard test method:

6. SAMPLE SITE LOCATION



No. of sample points for Method 5:	12
Diameter at sample site:	13 ft
Stack Height:	165 ft
Approximate Stack gas flow (ACFM):	560,000
Approximate Stack gas temp (deg. F):	131
Approximate Stack gas moisture (%):	1
Does sample port location meet 40 CFR 60, Appx. A, Method 1, Sec. 1.2 Requirements:	Yes
If No, explain:	

326 IAC 3-6-2(a) requires this completed form to be submitted 35 days prior to the proposed test date to the above address. 326 IAC 2-1.1-7(6)(B) requires any applicable test fee to be submitted with the protocol. (FEE NOT APPLICABLE IF PROGRAM IS FESOP, TITLE V OR VE TESTING ONLY.)

7. REASON FOR TEST

Operating Permit:	No
Construction Permit:	No
If yes, Unit Start Up Date:	NA
State Agreed Order: Please include No.	No
Title V:	No
Compliance with 326 IAC NSPS 40 CFR 60 Subpart FFFFF:	Yes
Other (EPA, CD, State, 114):	
40 CFR 63 Subpart FFFFF	

EPA-USS-0299584