

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604

DATE: MAY 28 2015

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
Kinder Morgan Arrow Terminal Holdings, Inc., Chicago, Illinois

FROM: Patrick Miller, Environmental Engineer *pm*
AECAB (MN/OH)

Alexandra Letuchy, Environmental Engineer *ALL*
AECAB (MI/WI)

THRU: Brian Dickens, Section Chief *BD*
AECAB (MN/OH)

TO: File

BASIC INFORMATION

Facility Name: Kinder Morgan Arrow Terminal Holdings, Inc. ("Kinder Morgan")

Facility Location: 2926 East 126th Street, Chicago, Illinois 60633

Date of Inspection: September 16, 2014

Lead Inspector: Patrick Miller, Environmental Engineer

Other Attendees:

1. Art Ervin, Supervisor, Kinder Morgan
2. Greg West, Superintendent, Kinder Morgan Arrow West Terminal
3. Jeremy Doss, EHS Specialist, Kinder Morgan, Inc. (Corporate)

Purpose of Inspection: Southeast Chicago Workgroup

Facility Type: Bulk Solid Material Terminal

Arrival Time: 2:00 PM

Departure Time: 3:30 pm

Inspection Type:

- Unannounced Inspection
- Announced Inspection

OPENING CONFERENCE

- Credentials Presented
- CBI warning to facility provided

EPA informed Mr. Ervin and Mr. West that the inspection was in follow-up to a previous attempt by EPA to witness the unloading of manganese bearing material on September 8, 2014. On September 8, 2014, EPA met Steve Caudle, the terminal manager, who indicated that pig iron was being unloaded at that time and it was unclear when high carbon manganese material would arrive in the future.

The following information was obtained verbally from Mr. Ervin and Mr. West unless otherwise noted.

Process Description:

Kinder Morgan is a bulk solid material handling terminal. It provides storage services, as well screening and sizing services. The bulk solid materials can be received and shipped either via truck, rail, and barge. The types of bulk solid materials Kinder Morgan receives, processes, and ships include, ferro alloys, pig iron and finished steel products. The majority of the material handled are ferro alloys which are received primarily via barge and shipped via truck.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

The facility tour began at 2:30 PM. A barge full of high-ferro chrome material was being unloaded. Unloading began around 12:30 PM and would finish at the end of the day or early tomorrow morning. The high-ferro chrome material is weather sensitive and only two covers were removed to allow unloading. The rest of the covers were left in place. Visible emissions were seen during the unloading of the barge; however, the emissions only went as high as the remaining barge covers. Visible emissions were seen as material was loaded into the trucks. The visible emissions however never went much higher than the truck cabin. There were no visible emission emanating from the bed of the truck as it drove off.

Field Measurements: were taken during this inspection.

Visible emission observations were taken in accordance with Method 9 during the unloading of a barge filled with high-ferro chrome material. The observation started at 3:00 PM and lasted eight minutes. The observations were stopped due to operations and the lack of sustained visible emissions. The 6-minute average was 1.25 percent.

RECORDS REVIEW

No records were reviewed during this inspection

CLOSING CONFERENCE

Compliance Assistance: During the closing conference, EPA discussed the use of Kinder Morgan's water truck and water practices and indicated that it was encouraging to see the road ways were watered prior to the barge unloading.

Concerns: EPA indicated that it was still concerned about fugitive emissions from the barge unloading operations despite the barge covers and slow truck loading techniques used, especially in a high wind situation.

SIGNATURES

Lead Inspector:  Date: 8/8/15

Section Chief:  Date: 5/28/15

APPENDICES AND ATTACHMENTS

Appendix A – Method 9 Visible Emission Observation Form 9/16/2014

Appendix B – Inspection Pictures and Video

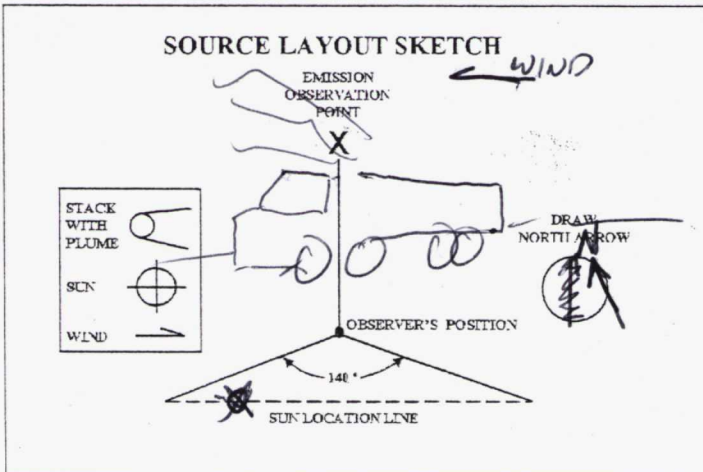
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Appendix A: Method 9 Visible Emission Observation Form 9/16/2014

VISIBLE EMISSION OBSERVATION FORM

Company Name KINDER MORGAN		
Location 2926 EAST 126th Street		
City CHICAGO	State IL	Zip 60633
Process Equipment BASE UNLOADING / TRUCK LOADING		Operating Mode OPERATING
Control Equipment N/A		Operating Mode OPERATING N/A
Describe Emission Point TRUCK BASE LOADING		
Height of Emission Point 15 ft	Height Relative to Observer Start 8 ft End	
Distance to Emission Point Start 20 yds End	Direction to Emission Point Start N End N	
Vertical Angle to Observation Pt. Start End	Direction to Observation Point Start End	
Describe Emissions Start WISPY End WISPY		
Emission Color Start White/Gray End	If Water Droplet Plume (Circle) Attached Detached <input checked="" type="radio"/>	
Point in The Plume At Which Opacity Was Determined Start 8 feet above truck cab End same		
Describe Plume Background Start Roof End Roof		
Background Color Start Brown End	Sky Condition Start Clear End Clear	
Wind Speed Start 0-Buyh End	Wind Direction Start E-W End KNW	
Ambient Temp Start End	Wet Bulb Temp	RH Percent

Observation Date 9/16/14		Start Time 3:00 pm	End Time 3:10 pm	Comments	
Min	Sec	0	15		30
1	0	5	5	0	
2	0	0	5	10	truck left.
3	0	0	0	0	new truck
4	0	0	0	0	
5	0	10	5	0	
6	0	0	0	0	
7	0	0	5	0	truck left.
8	0				paused to remove/move covers
9					
10					ended readings
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Additional Information

Observer's Name (Print) PATRICK MILLER	Date 9/16/14
Observer's Signature <i>Patrick Miller</i>	Date 9/20/14
Organization Illinois EPA	Date 9/20/14
Certified by US EPA	Date 9/20/14

Continue on reverse side

Min \ Sec	0	15	30	45	Comments
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Additional Information

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Appendix B: Inspection Pictures and Video