



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

DATE: NOV 01 2018

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
Watco Terminal and Port Services, Chicago, Illinois

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

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

TO: File

BASIC INFORMATION

Facility Name: Watco Terminal and Port Services

Facility Location: 2926 E 126th Street, Chicago, Illinois

Date of Inspection: September 25, 2018

EPA Inspector(s):

1. Patrick Miller, Environmental Engineer

Other Attendees

1. Steve Caudle, Terminal Manager, Watco Terminal and Port Services (Watco)
2. Emmanuel Adesanya, Inspector, City of Chicago Department of Public Health (CDPH)
3. Kenneth Scott, Inspector, CDPH

Contact Email Address: Steven.Caudle@watcocompanies.com

Purpose of Inspection: Verification of FRM monitor installation required by Section 114 of the CAA information request

Facility Type: Bulk solid material handler

Regulations Central to Inspection: Clean Air Act and Illinois SIP

Arrival Time: 9:45am
Departure Time: 10:45am

Inspection Type:

- Unannounced Inspection
- Announced Inspection

OPENING CONFERENCE

- Credentials Presented
- CBI warning to facility provided

The following information was obtained verbally from Mr. Caudle unless otherwise noted.

Company Ownership: Watco purchased this facility from Kinder Morgan on February 1, 2017.

Process Description:

Watco is a public warehouse that stores and handles bulk solid materials, including manganese-bearing alloys (~27% of inventory). The majority of bulk solid materials are received via barge. Manganese-bearing material is weather sensitive and cannot get wet. During barge unloading of manganese-bearing material, only three barge lids are removed at a time.

Bulk material is shipped from Watco via truck. All truck loadout occurs in Building F under one of two dust collector hoods. Building F loadout is equipped with a 60,000 cfm baghouse. The bulk material is transported from its designated bin (which could be in a different warehouse) by a frontend loader to Building F where it is dumped into the truck. The frontend loader operator uses a remote to select the appropriate hood before loading the truck. Once fully loaded, the truck waits under the hood for 30 seconds before driving out of the building.

New high speed doors were installed on Building F. A truck drives up to the entry and the heavy tarp door opens and closes automatically. The doors remain closed during loading. The truck then drives up to the exit and the door opens and closes automatically. Watco also purchased a fogging system for use during barge unloading when the excavator places material into an in-plant truck. Watco purchased additional nozzles for additional coverage on the front and back of the truck bed.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

EPA observed the FRM monitor installed on the roof of the office pursuant to EPA's May 15, 2018 information request. The monitor began operating on September 14, 2018.

EPA also observed the four FEM continuous particulate matter less than 10 microns (PM₁₀) monitors at Watco's facility required by the City of Chicago.

Photos and/or Videos: were taken during the inspection.

Field Measurements: were not taken during this inspection.

CLOSING CONFERENCE

During the closing conference, Mr. Caudle explained that the street sweeper was recently upgraded with a new internal elevator system. Mr. Caudle also demonstrated how the software that manages the FEM continuous PM₁₀ monitors on-site works and explained that Watco has been using the monitors for operational improvements.

SIGNATURES

Report Author:  Date: 11/1/18

Section Chief:  Date: 11/1/18

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APPENDICES AND ATTACHMENTS

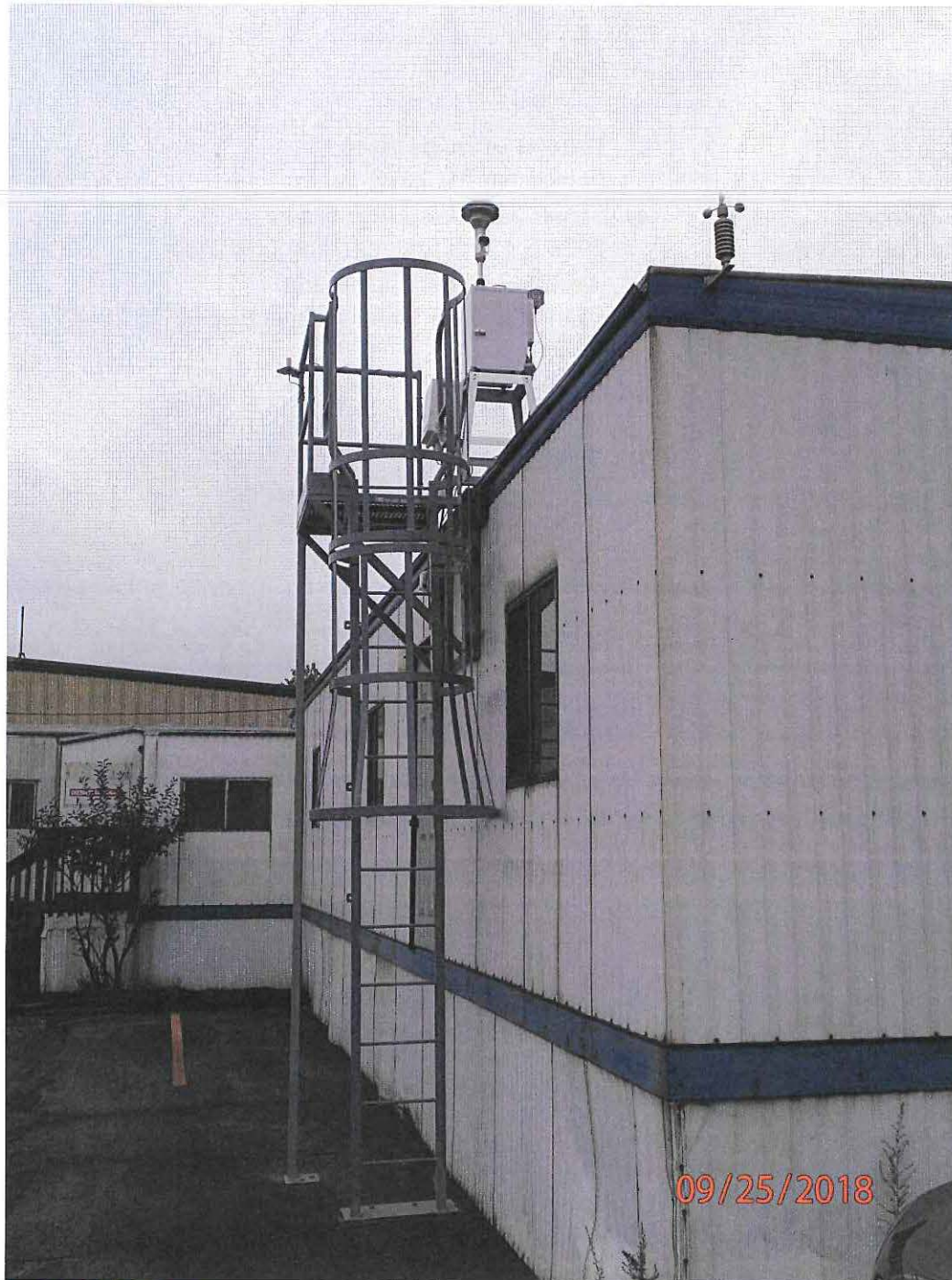
I. Appendix A – Digital Image Log

Facility Name: Watco Terminal and Port Services
Facility Location: 2926 E 126th Street, Chicago, Illinois
Date of Inspection: September 25, 2018

APPENDIX A: DIGITAL IMAGE LOG

1. Inspector Name: Patrick Miller	2. Date(s) of Inspection: September 25, 2018
3. Company/Facility Name: Watco Terminal and Port Services	4. Street Address, City, State: 2926 E 126th Street, Chicago, Illinois
5. Number of Images: 13 photos; 1 video	6. Archival Record Location: CD-R Labeled "Watco Inspection 09 25 2018"

Facility Name: Watco Terminal and Port Services
Facility Location: 2926 E 126th Street, Chicago, Illinois
Date of Inspection: September 25, 2018



1: P9250001.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:50 AM
Camera Direction: North
Description: Roof mounted FRM monitor

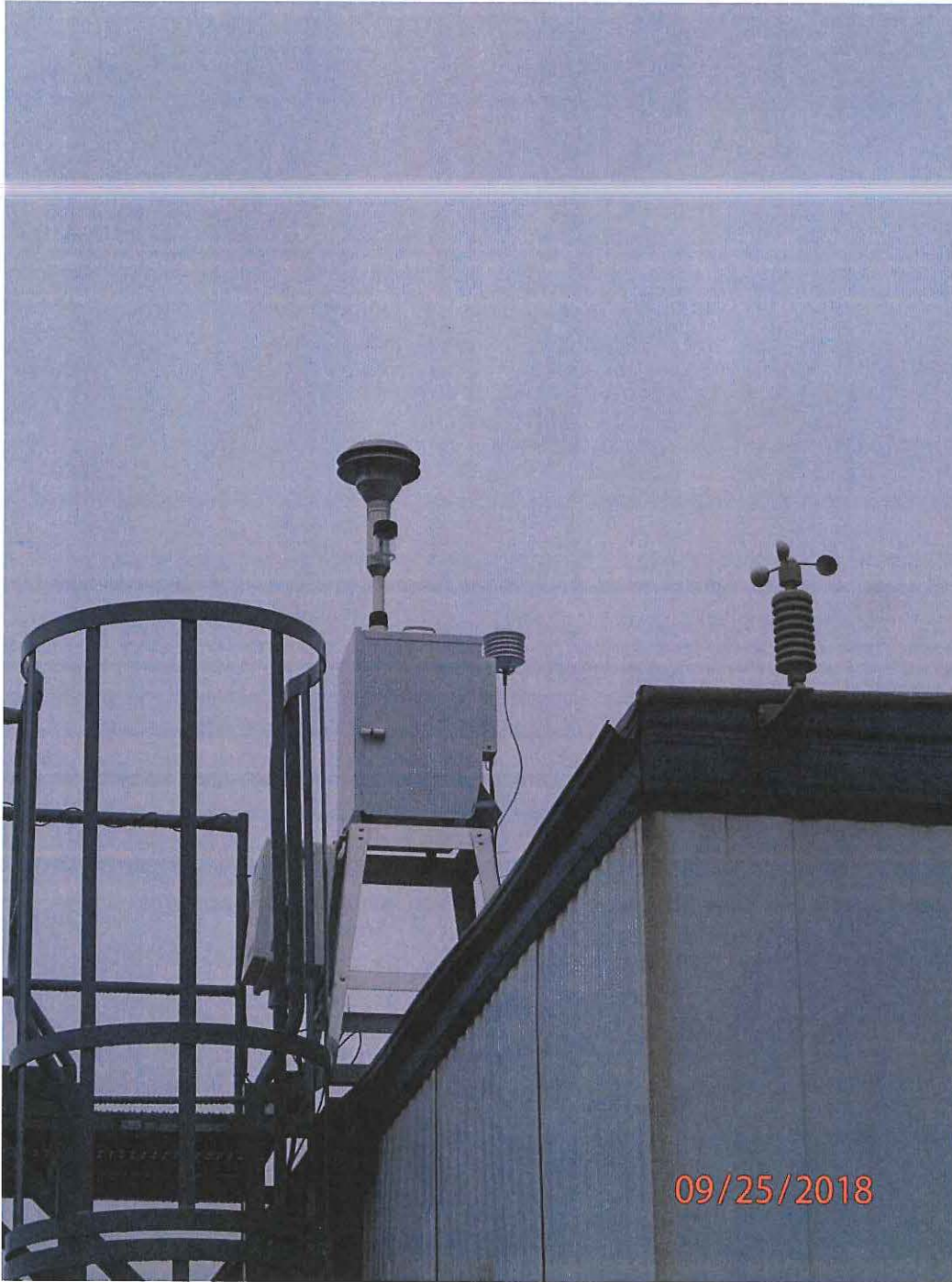
Facility Name: Watco Terminal and Port Services
Facility Location: 2926 E 126th Street, Chicago, Illinois
Date of Inspection: September 25, 2018



2: P9250002.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:50 AM
Camera Direction: North
Description: Roof mounted FRM monitor

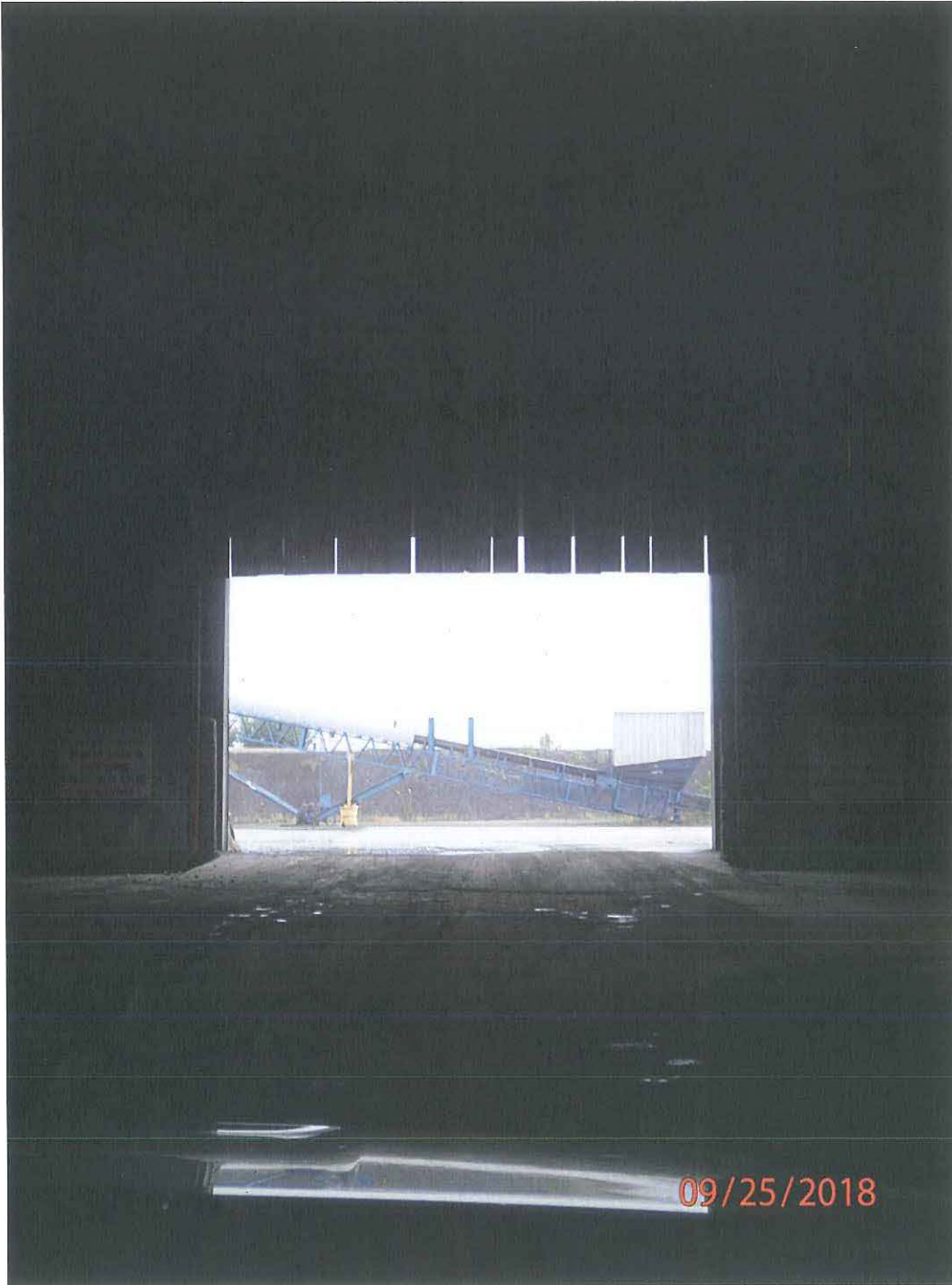
Facility Name: Watco Terminal and Port Services
Facility Location: 2926 E 126th Street, Chicago, Illinois
Date of Inspection: September 25, 2018



3: P9250003.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 9:52 AM
Camera Direction: North
Description: Roof mounted FRM monitor

Facility Name: Watco Terminal and Port Services
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4: P9250004.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:04 AM
Camera Direction: Indoors (Building F)
Description: Exit for outbound truck loadout at Building F; easy open heavy tarp door

Facility Name: Watco Terminal and Port Services
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5: P9250005.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:07 AM
Camera Direction: Northeast
Description: Entry for outbound truck loadout at Building F; easy open heavy tarp door

Facility Name: Watco Terminal and Port Services
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6: P9250006.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:07 AM
Camera Direction: Northeast
Description: Entry for outbound truck loadout at Building F; easy open heavy tarp door

Facility Name: Watco Terminal and Port Services
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7: P9250007.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:09 AM
Camera Direction: Northeast
Description: Excavator for truck transfer from barge to storage location; Fogging system in place around truck

Facility Name: Watco Terminal and Port Services
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8: P9250008.JPG

Location: Watco Terminal and Port Services

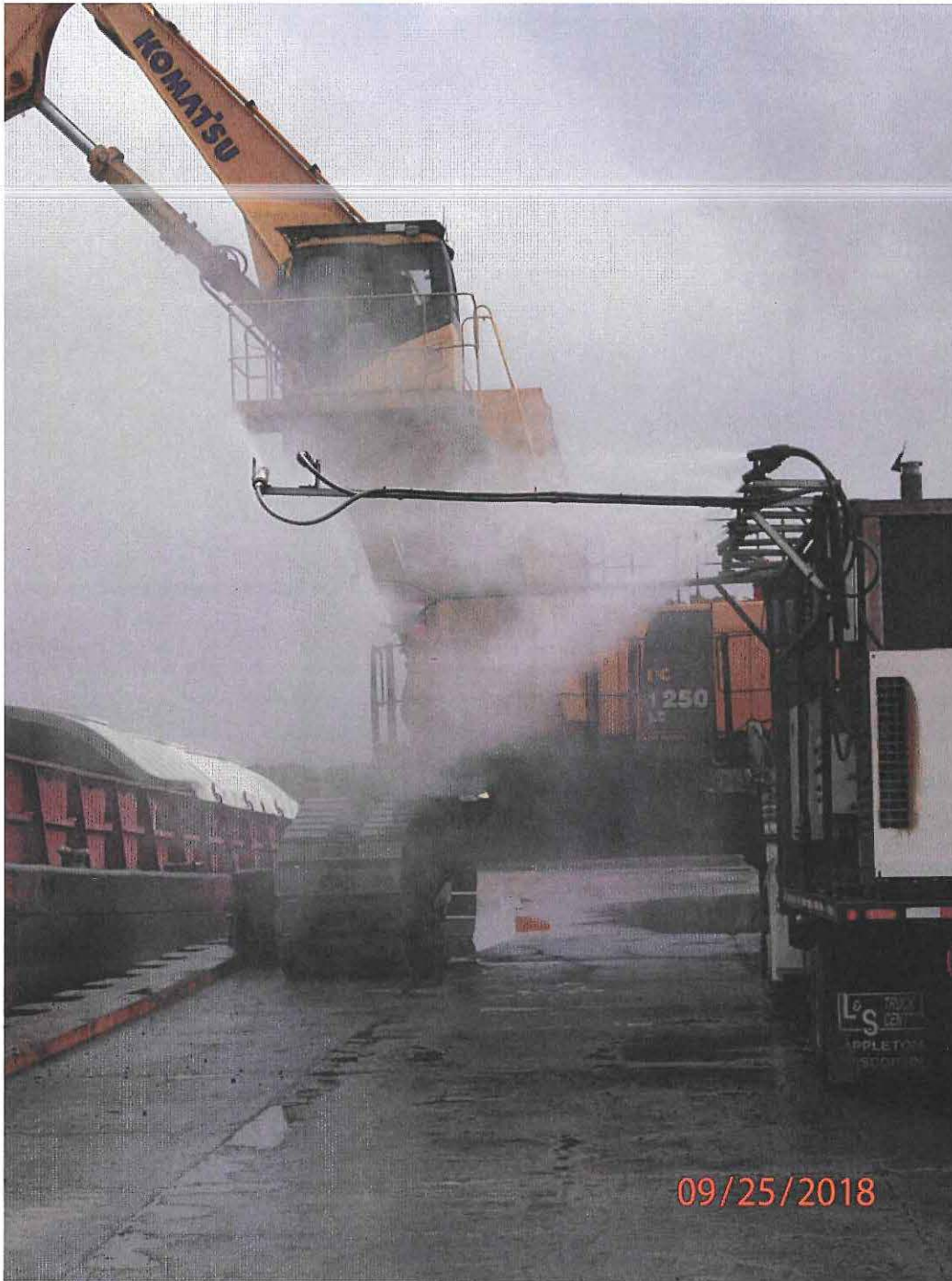
Photographer: Patrick Miller

Date/Time: 9/25/2018 10:09 AM

Camera Direction: Northeast

Description: Excavator for truck transfer from barge to storage location; Fogging system in place around truck

Facility Name: Watco Terminal and Port Services
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9: P9250009.JPG

Location: Watco Terminal and Port Services

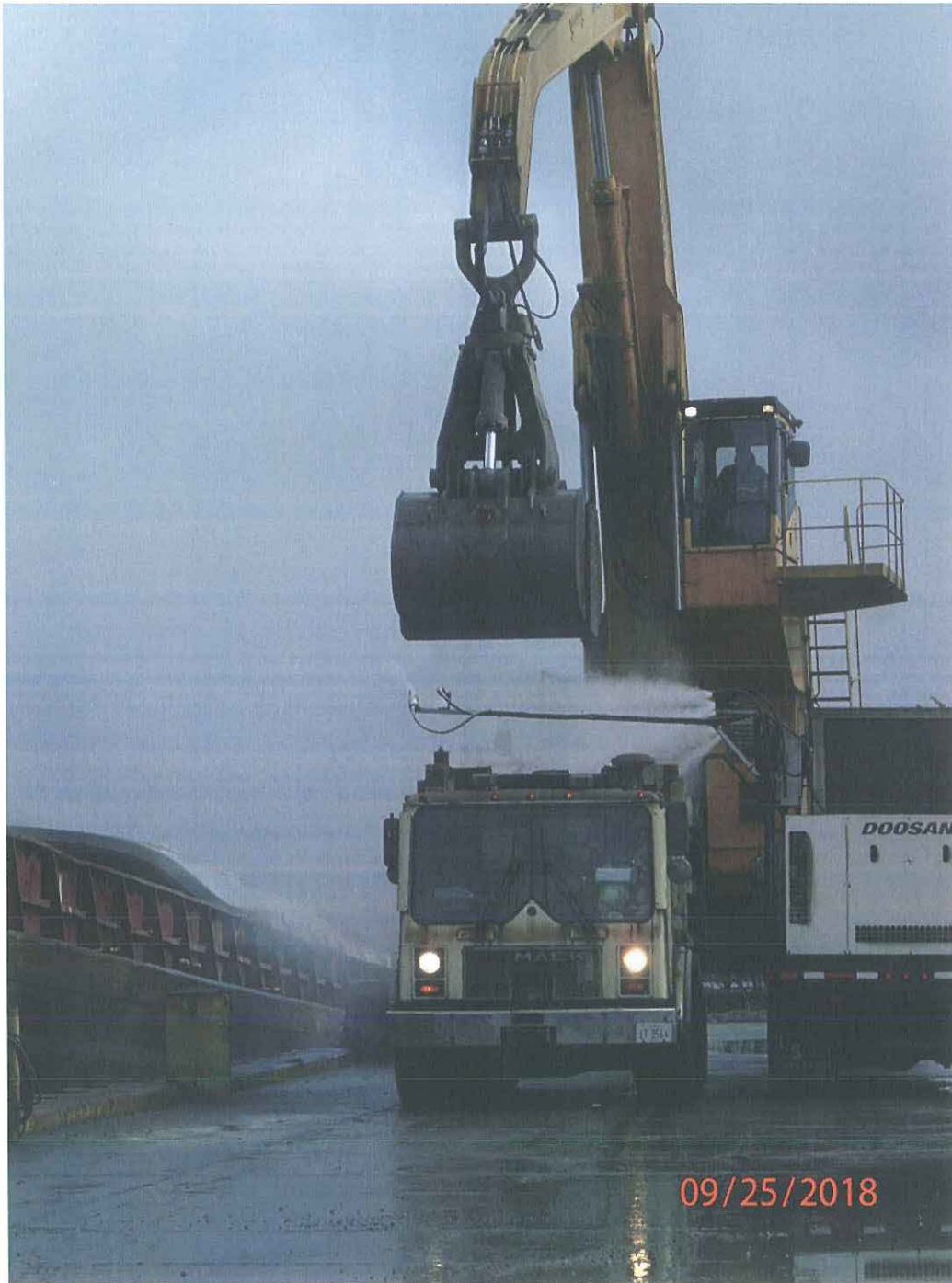
Photographer: Patrick Miller

Date/Time: 9/25/2018 10:10 AM

Camera Direction: Northeast

Description: Truck transfer from barge to storage location; Fogging system in place around truck

Facility Name: Watco Terminal and Port Services
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10: P9250010.JPG

Location: Watco Terminal and Port Services

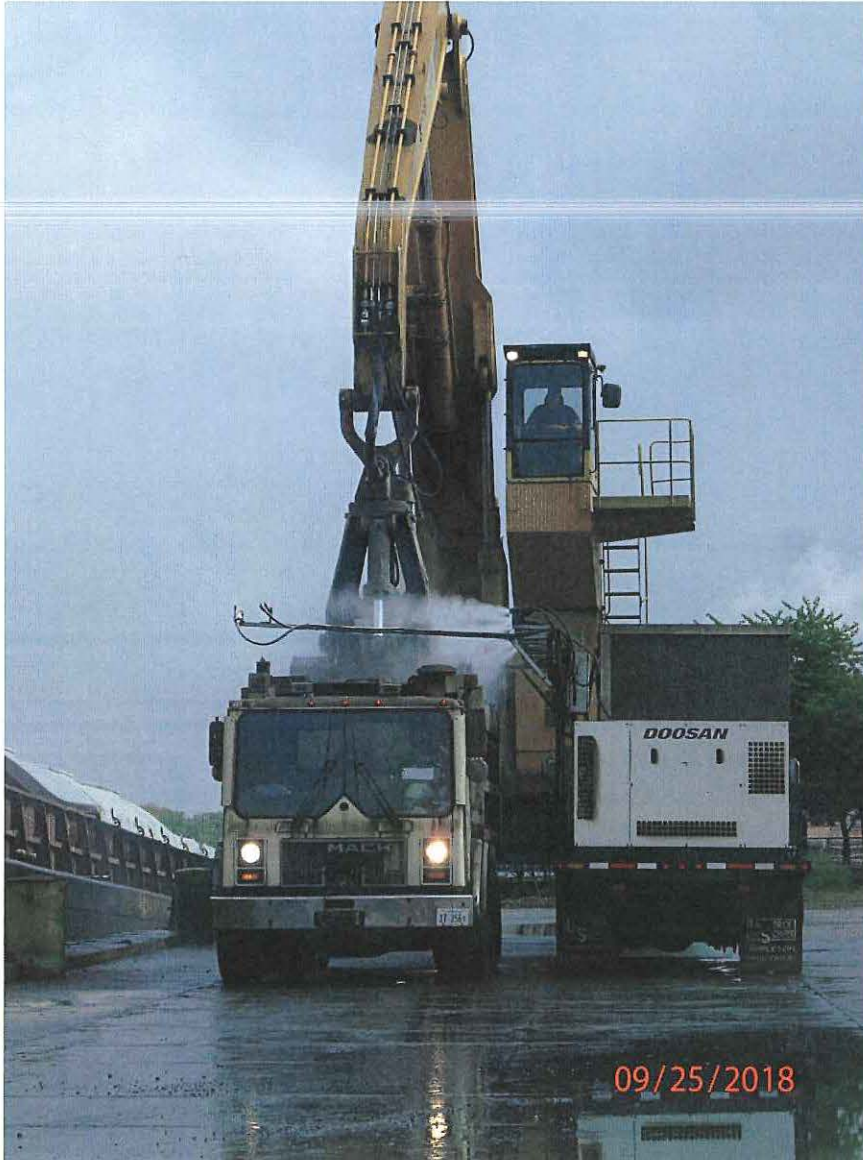
Photographer: Patrick Miller

Date/Time: 9/25/2018 10:11 AM

Camera Direction: Northeast

Description: Truck transfer from barge to storage location; Fogging system in place around truck

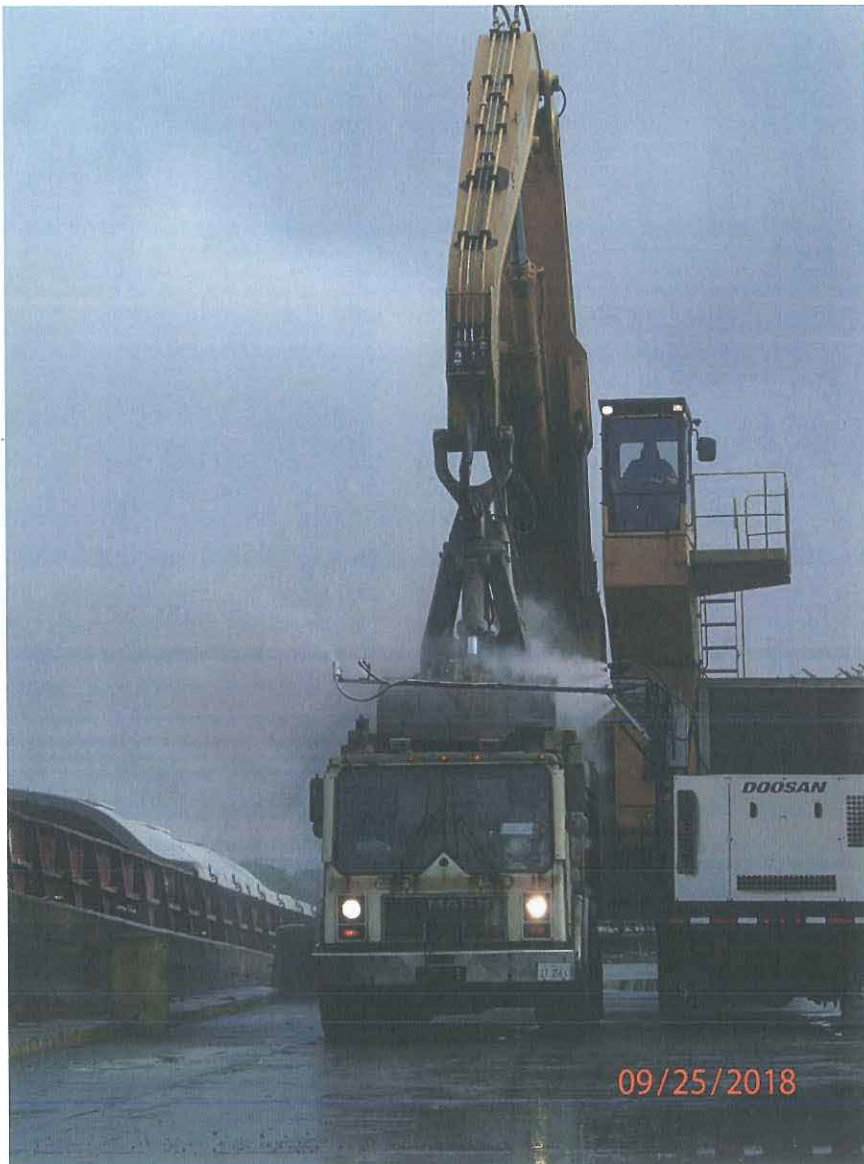
Facility Name: Watco Terminal and Port Services
Facility Location: 2926 E 126th Street, Chicago, Illinois
Date of Inspection: September 25, 2018



11: P9250011.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:11 AM
Camera Direction: Northeast
Description: Truck transfer from barge to storage location; Fogging system in place around truck

Facility Name: Watco Terminal and Port Services
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12: P9250012.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:11 AM
Camera Direction: Northeast
Description: Truck transfer from barge to storage location; Fogging system in place around truck

Facility Name: Watco Terminal and Port Services
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13: P9250013.JPG

Location: Watco Terminal and Port Services
Photographer: Patrick Miller
Date/Time: 9/25/2018 10:11 AM
Camera Direction: Northeast
Description: Truck transfer from barge to storage location; Fogging system in place around truck