

TITLE V AIR QUALITY INSPECTION  
EMISSION POINT - SPECIFIC CONDITIONS - Page 9  
Inspector Initials \_\_\_\_\_

Page copied from the  
last AQ inspection

Conveying System Transfer Points\ Raw and Finish Mills\ Storage Bins\ Bulk Loading and Unloading Units Subject to 40 CFR 63 Subpart LLL

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity (Tons/hr)	Operating	In Compliance	Out of Compliance (Comments)	Not Applicable or Unable to Evaluate
EP11	EU11	Raw Material Transfer-Apron Feeder to Collection Belt	CE11	Baghouse	Crushed Limestone	440	<input type="checkbox"/>			
EP18	EU18	Grinding Circuit-Raw Material Transfer	CE-18	Baghouse	Raw Clay	800	<input type="checkbox"/>			
EP19	EU19	Raw Material Transfer to Homogenizing Silo	CE-19	Baghouse	Raw Mix	200	<input type="checkbox"/>			
EP20	EU20	Raw Material Transfer-IBAU Bin Bottom Elevator	CE-20	Baghouse	Raw Mix	550	<input type="checkbox"/>			
EP21	EU21	Raw Material Transfer-IBAU Elevator W to top Silo Conveyor	CE-21	Baghouse	Raw Mix	550	<input type="checkbox"/>			
EP22	EU22	Raw Material Transfer-IBAU Elevator S to top Silo Conveyor	CE-22	Baghouse	Raw Mix	550	<input type="checkbox"/>			
EP23	EU23	IBAU Bin S Top Elevator Raw Material Transfer	CE-23	Baghouse	Raw Mix	550	<input type="checkbox"/>			
EP24	EU24	Raw Material Transfer	CE-24	Baghouse	Raw Mix	225	<input type="checkbox"/>			
EP33	EU33	Outhaul Conveyor Transfer	CE33	Baghouse	Clinker	180	<input type="checkbox"/>			
EP34	EU34	Clinker Truck Loadout	CE34	Baghouse	Clinker	100	<input type="checkbox"/>			
EP35	EU35	Outhaul Conveyor Transfer to Clinker Silo	CE35	Baghouse	Clinker	300	<input type="checkbox"/>			
EP36	EU36	Clinker Withdrawal Conveyor Transfer	CE36	Baghouse	Clinker	180	<input checked="" type="checkbox"/>			
EP37	EU37	Clinker Belt 206 to 208 Transfer	CE37	Baghouse	Clinker	300	<input checked="" type="checkbox"/>			
EP39	EU39	Clinker Transfer	CE39	Baghouse	Clinker	114.58	<input checked="" type="checkbox"/>			
EP39-1	EU39-1	Clinker Belt 208 to Belt 211 Transfer	CE38	Baghouse	Clinker	300	<input checked="" type="checkbox"/>			
EP39-2	EU39-2	Clinker Ladder	None	None	Gypsum/Anhydrite	150	<input type="checkbox"/>			
EP39-3	EU39-3	Gypsum/Anhydrite Bucket Transfer	None	None	Clinker	150	<input type="checkbox"/>			
EP41	EU41	Clinker Bucket Transfer	None	None	Clinker	30	<input checked="" type="checkbox"/>			
EP41	EU41A	No. 3 Finish Mill	CE-41	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP41	EU41B	Vibrating Conveyor Transfer	CE-41	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP41	EU41C	Air Separator	CE-41	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP42	EU42A	No. 3 Finish Mill	CE-41	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP42	EU42B	Vibrating Conveyor Transfer	CE-41	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP42	EU42C	Air Separator	CE-41	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP43	EU43A	No. 5 Finish Mill	CE-43	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP43	EU43B	Vibrating Conveyor Transfer	CE-43	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP43	EU43C	Air Separator	CE-43	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP44	EU44A	No. 6 Finish Mill	CE-44	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP44	EU44B	Vibrating Conveyor Transfer	CE-44	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP44	EU44C	Air Separator	CE-44	Baghouse	Clinker	30	<input checked="" type="checkbox"/>			
EP45	EU45A	No. 4 Finish Mill	CE-45	Baghouse	Clinker	75	<input checked="" type="checkbox"/>			
EP45	EU45B	Vibrating Conveyor Transfer	CE-45	Baghouse	Clinker	75	<input checked="" type="checkbox"/>			
EP45	EU45C	Air Separator	CE-45	Baghouse	Clinker	75	<input checked="" type="checkbox"/>			
EP46	EU46A	Clinker Transfer	CE-46	Baghouse	Clinker	75	<input checked="" type="checkbox"/>			
EP46	EU46B	Clinker Transfer	CE-46	Baghouse	Clinker	75	<input checked="" type="checkbox"/>			
EP47	EU47	Storage Silo	CE47	Baghouse	Cement	100	<input checked="" type="checkbox"/>			
EP48	EU48	Transfer Bucket Elevator	CE48	Baghouse	Cement	350	<input type="checkbox"/>			
EP49	EU49	Direct Cement Loadout (Emergency Only)	None	None	Cement	300	<input type="checkbox"/>			
EP50	EU50	Silo Row 40 Cement Bulk Loadout	CE50	Baghouse	Cement	350	<input type="checkbox"/>			
EP51	EU51	Silo Row 30 Cement Loadout	CE51	Baghouse	Cement	350	<input type="checkbox"/>			
EP52	EU52	Silo Row 50 Rail/Truck Cement Loading System	CE52	Baghouse	Cement	400	<input type="checkbox"/>			
EP53	EU53	Silo Row 50 Cement Loadout Spout	CE53	Baghouse	Cement	400 TPH	<input type="checkbox"/>			

Emission Limits

Pollutant: Opacity

Raw Mill BFs  
not operating  
on 6/10/15  
y/b

Finished Cement  
BFs were  
operating on  
6/10/15  
y/b

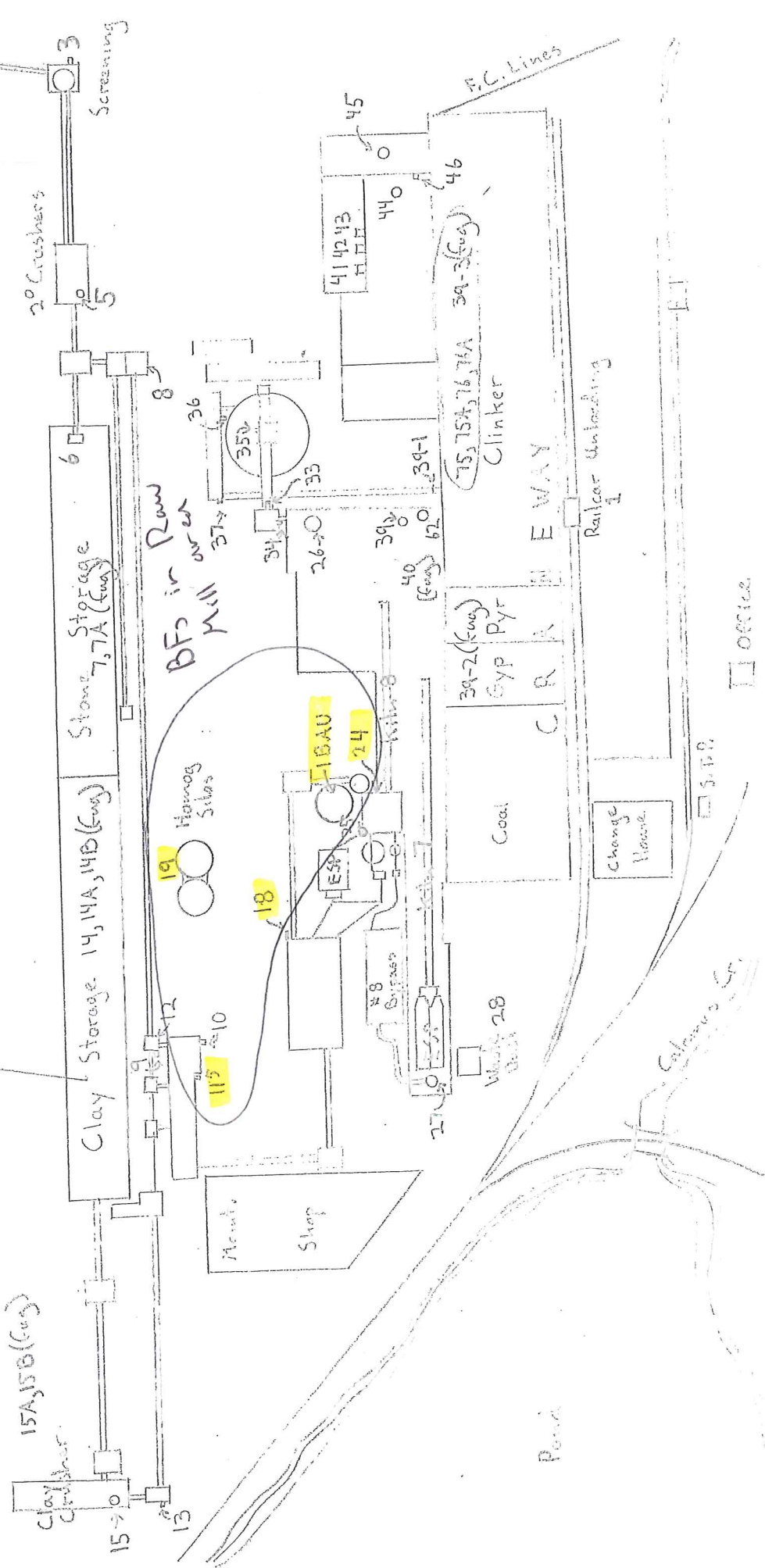
<5%  
0.9%  
0.9%  
0.9%

Lehigh Portland Cement Co.  
 Mason City - IA

GLC  
 10-1-87  
 revised 11-15-01

also outside

15A, 15B (Cug)



Primary  
 Crusher  
 2

20  
 Crushers  
 5

Screening  
 3

Clay Storage  
 14, 14A, 14B (Cug)  
 Stone Storage  
 7, 7A (Cug)  
 6

Raw  
 over  
 Mill  
 36  
 BFS in  
 over  
 Mill  
 37

Hamon  
 Silos  
 19

18

18AU  
 24

Kiln-8

39-2 (Cug)  
 Gyp  
 Pyr

C R A

Clinker

75, 75A, 76, 76A  
 39-3 (Cug)

46

440

45

F.C. Lines

Railcar Unloading

E WAY

Change  
 House

Office

Pond

Calverton Cr.

Mentz  
 Shop

Coal

Wagon  
 28

28

27

26

25

24

23

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190

180

170

160

150

140

130

120

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100

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70

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30

20

10

0

11/10/31

# MAINTENANCE WORK ORDER - MASON CITY PLANT

**Work Order:** 8800945 *Inspect Repair scew top of shipping silo*



**Priority:** 2 Today  
**Work Center:** 010 Maintenance Crew - Heavy Gang  
**Start-End Date:** 06/10/2015 - 06/10/2015  
**Revision:** D5 Friday Work - Misc. Work  
**Funct. Location:** 0105.401.045B #1 SCREW DC TOP SILOS 803 9" W/2" RH SCH  
**Equipment:** 10004827 #1 SCREW DC TOP SILOS 803 9" W/2" RH SCH  
**Eq. Criticality:**  
**Order Type:** PM01 Corrective Maintenance  
**Activity Type:** 140 Corrective Maintenance general

**Date Printed:** 06/10/2015  
**WO Creator:** RLINDQUI  
**Notification:** 11236178  
**Reported By:** RLINDQUI  
**Notif. Date:** 05/01/2015

**Person Resp. :**

===== ALL WORK TO BE DONE IN ACCORDANCE WITH PLANT RULES AND SAFETY PROCEDURES =====

PERSONAL PROTECTIVE EQUIPMENT

STANDARD- HARD HAT, SAFETY GLASSES, STEEL TOED BOOTS  
 SPECIAL- RESPIRATOR, FACESHIELD, CLOTHING, ETC  
 COMMENTS:

DISCUSS LOCK OUT.  
 COMMENTS:

DISCUSS SAFETY CONCERNS.  
 COMMENTS:

*Belt's  
screw*

EXAMINE WORK PLACE FOR CONDITIONS WHICH MAY AFFECT SAFETY OR HEALTH. NOTIFY YOUR SUPERVISOR AND PROMPTLY INITIATE ACTION TO CORRECT SUCH CONDITIONS.

WORK COMPLETION CHECK LIST

ALL GUARDS INSTALLED PROPERLY \_\_\_\_\_  
 ALL FLUIDS AND GREASE LEVELS FULL \_\_\_\_\_  
 EQUIPMENT TEST RUN FOR PROPER OPERATION \_\_\_\_\_  
 EQUIPMENT SWITCHES IN PROPER POSITION (LOCAL/REMOTE) \_\_\_\_\_  
 EQUIPMENT TURNED OVER TO PROCEEDS \_\_\_\_\_  
 CHECK TO MAKE SURE WORK AREA IS CLEANED UP \_\_\_\_\_

-----  
 \* \* \* SPECIAL WORK CENTER INSTRUCTIONS \* \* \*  
 DON'T FORGET TO FILL OUT MOBILE EQUIPMENT SAFETY INSPECTION  
 \* \* \* SPECIAL WORK CENTER INSTRUCTIONS \* \* \*  
 -----

**OPERATION:** 0010 Inspect repair scew top of shipping sil

**2033068**



**Work Center:** 010 Maintenance Crew - Heavy Gang  
**Labor Estimates:** 24.0H, 3 Worker(s), 8.0H Duration

Stores Item	Description	Required	On Hand	Location	Requisition-Item #
103593	SCREW, CONV; RH; 9IN DIA; PITCH 9I	0	2	OBCR2	

MAINTENANCE WORK ORDER - MASON CITY PLANT

Work Order: 8805411 Rebag raw mill D/A



Date Printed: 06/10/2015
WO Creator: ROTOOL
Notification: 11243668
Reported By: ROTOOL
Notif. Date: 06/09/2015

Priority: 5 Next shut down
Work Center: 010 Maintenance Crew - Heavy Gang
Start-End Date: 06/10/2015 - 06/11/2015
Revision: KILN DWN Kiln Down Work Orders
Funct. Location: 0105.301.148
Equipment: 10003163
Eq. Criticality:
Order Type: PM01 Corrective Maintenance
Activity Type: 140 Corrective Maintenance general

DUST COLLECTOR #5RM E16 D/A, MIKROPUL
DUST COLLECTOR #5RM E16 D/A, MIKROPUL

Person Resp. :

ALL WORK TO BE DONE IN ACCORDANCE WITH PLANT RULES AND SAFETY PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT

STANDARD- HARD HAT, SAFETY GLASSES, STEEL TOED BOOTS
SPECIAL- RESPIRATOR, FACESHIELD, CLOTHING, ETC
COMMENTS:

Handwritten note: Bags ordered Re bag all

DISCUSS LOCK OUT.
COMMENTS:

DISCUSS SAFETY CONCERNS.
COMMENTS:

EXAMINE WORK PLACE FOR CONDITIONS WHICH MAY AFFECT SAFETY OR HEALTH. NOTIFY YOUR SUPERVISOR AND PROMPTLY INITIATE ACTION TO CORRECT SUCH CONDITIONS.

WORK COMPLETION CHECK LIST

- ALL GUARDS INSTALLED PROPERLY
ALL FLUIDS AND GREASE LEVELS FULL
EQUIPMENT TEST RUN FOR PROPER OPERATION
EQUIPMENT SWITCHES IN PROPER POSITION (LOCAL/REMOTE)
EQUIPMENT TURNED OVER TO PROCEEDS
CHECK TO MAKE SURE WORK AREA IS CLEANED UP

\*\* Notification 11243668, Reported by ROTOOL, on 06/09/2015 \*\*

Rebag raw mill D/A
Rebag raw mill D/A
\*\*\* SPECIAL WORK CENTER INSTRUCTIONS \*\*\*
DON'T FORGET TO FILL OUT MOBILE EQUIPMENT SAFETY INSPECTION
\*\*\* SPECIAL WORK CENTER INSTRUCTIONS \*\*\*

OPERATION: 0010 Rebag raw mill D/A

2043739

Work Center: 010 Maintenance Crew - Heavy Gang
Labor Estimates: 48.0H, 3 Worker(s), 16.0H Duration



Table with 5 columns: Stores Item, Description, Required, On Hand, Location, Requisition-Item #. Row 1: 197491, BAG,FILTER;5 X 120.5 IN;FIBER, 120, 0, PBBAD, 2032423

1911.59

# MAINTENANCE WORK ORDER - MASON CITY PLANT

**Work Order:** 8803522 RAWMILL D.A. DUSTING OUT



**Date Printed:** 06/10/2015  
**WO Creator:** RLINDQUI  
**Notification:** 11240417  
**Reported By:** JLAWSO  
**Notif. Date:** 05/22/2015

**Priority:** 3 Within a week  
**Work Center:** 015 JIM MCMANNES-Heavy Gang - D/A  
**Start-End Date:** 05/26/2015 - 05/26/2015  
**Revision:** D2 Tuesday Work - Raw Mill System  
**Funct. Location:** 0105.301.148 DUST COLLECTOR #5RM E16 D/A, MIKROPUL  
**Equipment:** 10003163 DUST COLLECTOR #5RM E16 D/A, MIKROPUL  
**Eq. Criticality:**  
**Order Type:** PM01 Corrective Maintenance  
**Activity Type:** 140 Corrective Maintenance general

**Person Resp. :**

===== ALL WORK TO BE DONE IN ACCORDANCE WITH PLANT RULES AND SAFETY PROCEDURES =====

**PERSONAL PROTECTIVE EQUIPMENT**

STANDARD- HARD HAT, SAFETY GLASSES, STEEL TOED BOOTS  
SPECIAL- RESPIRATOR, FACESHIELD, CLOTHING, ETC  
COMMENTS:

*Handwritten notes:*  
Last wk 1 bag w. th Hatz Zapdack  
Datten, Dunbar  
Bearings 5 TIPPING JALUC  
Yesterday (6/9/15)

DISCUSS LOCK OUT.  
COMMENTS:

DISCUSS SAFETY CONCERNS.  
COMMENTS:

EXAMINE WORK PLACE FOR CONDITIONS WHICH MAY AFFECT SAFETY OR HEALTH. NOTIFY YOUR SUPERVISOR AND PROMPTLY INITIATE ACTION TO CORRECT SUCH CONDITIONS.

**WORK COMPLETION CHECK LIST**

- ALL GUARDS INSTALLED PROPERLY \_\_\_\_\_
- ALL FLUIDS AND GREASE LEVELS FULL \_\_\_\_\_
- EQUIPMENT TEST RUN FOR PROPER OPERATION \_\_\_\_\_
- EQUIPMENT SWITCHES IN PROPER POSITION (LOCAL/REMOTE) \_\_\_\_\_
- EQUIPMENT TURNED OVER TO PROCEEDS \_\_\_\_\_
- CHECK TO MAKE SURE WORK AREA IS CLEANED UP \_\_\_\_\_

-----  
\*\* Notification 11240417, Reported by JLAWSO, on 05/22/2015 \*\*

RAWMILL D.A. DUSTING OUT  
THE RAWMILL D.A. IS DUSTING OUT THRU THE EXHAUST AND SHOULD BE INSPECTED DURING THE NEXT AVAILABLE RAWMILL DOWN DAY.  
-----

**OPERATION:** 0010 RAWMILL D.A. DUSTING OUT

**2039390**



**Work Center:** 015 JIM MCMANNES-Heavy Gang - D/A  
**Labor Estimates:** 16.0H, 2 Worker(s), 8.0H Duration

Stores Item	Description	Required	On Hand	Location	Requisition-Item #
	DODGE 1" BRG 124173 F2B SC100	4	4		2031876

Lehigh Cement Company  
 700 25th Street NW  
 Mason City, IA 50401



## Method 22 Visible Emission Inspection Form

Emission Unit: Limestone Withdraw Apron Feeder/Raw Mill Collection Belt EU11

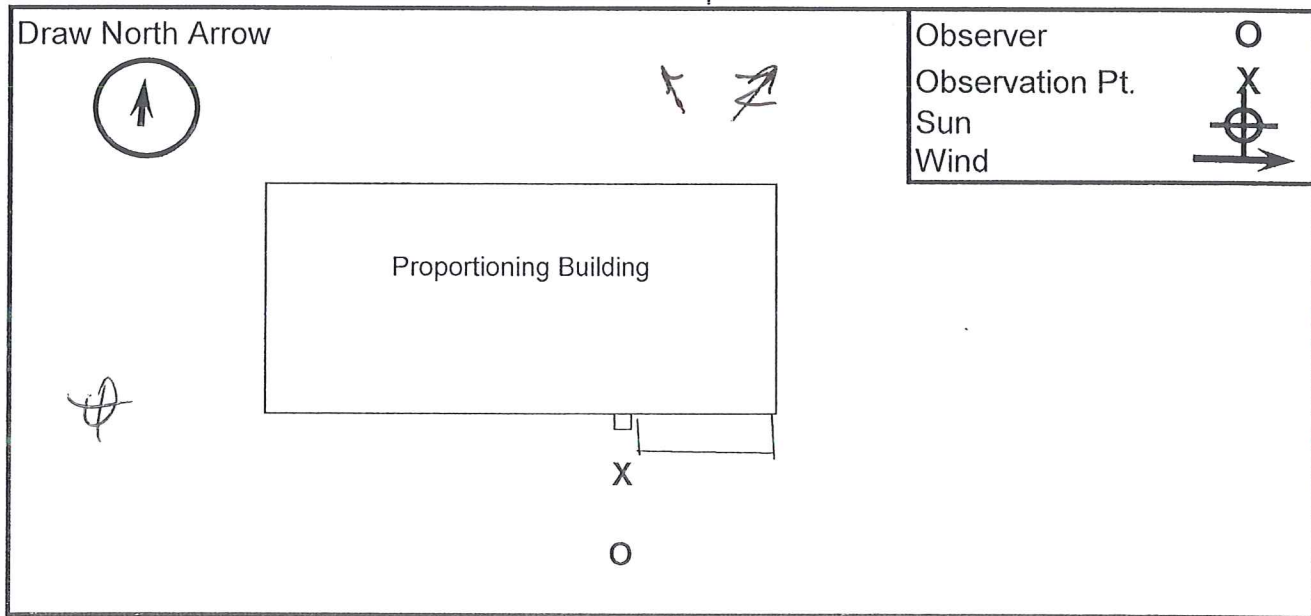
Observer: Perry Dargitz Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> <input checked="" type="radio"/> Clear 0-10% Cloud Cover <input type="radio"/> Scattered 10-50% Cloud Cover <input type="radio"/> Broken 50-90% Cloud Cover <input type="radio"/> Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <input checked="" type="radio"/> None <input type="radio"/> Mist <input type="radio"/> Sprinkle <input type="radio"/> Rain
<b>Wind Speed:</b> <u>13.8 mph</u>	<b>Wind Direction:</b> <u>NW</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:30 PM Ending 1:32 PM Total 2 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargitz

Lehigh Cement Company  
 700 25th Street NW  
 Mason City, IA 50401

EU 18

**LEHIGH**  
 HEIDELBERGCEMENT Group

## Method 22 Visible Emission Inspection Form

Emission Unit: Raw Mill Elevators Vent (Grinding Circuit-Raw Material Transfer)

Observer: Perry Dargitz Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

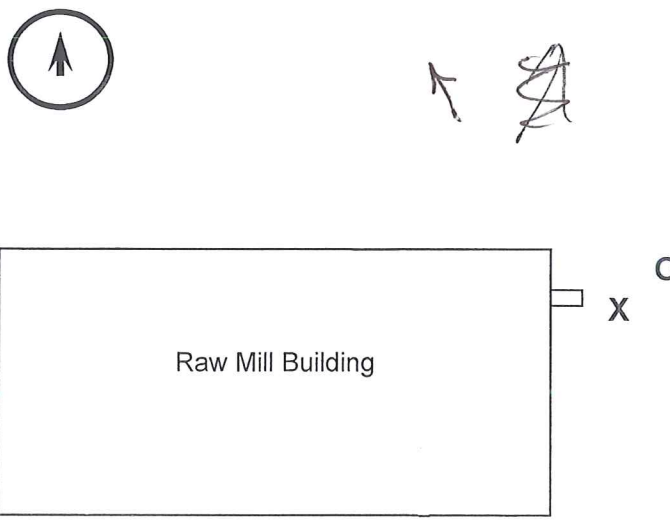
Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> <input checked="" type="checkbox"/> Clear 0-10% Cloud Cover <input type="checkbox"/> Scattered 10-50% Cloud Cover <input type="checkbox"/> Broken 50-90% Cloud Cover <input type="checkbox"/> Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Mist <input type="checkbox"/> Sprinkle <input type="checkbox"/> Rain
---	--

Wind Speed: 13.8 mph Wind Direction: NW

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points

Draw North Arrow



Observer

Observation Pt.

Sun

Wind

Observation Time:

Beginning 1:53 PM Ending 1:54 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES  NO

Observers Signature Perry Dargitz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU19

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: Homo Silo Vent (Raw Material Trans to Homogenizing Silo)

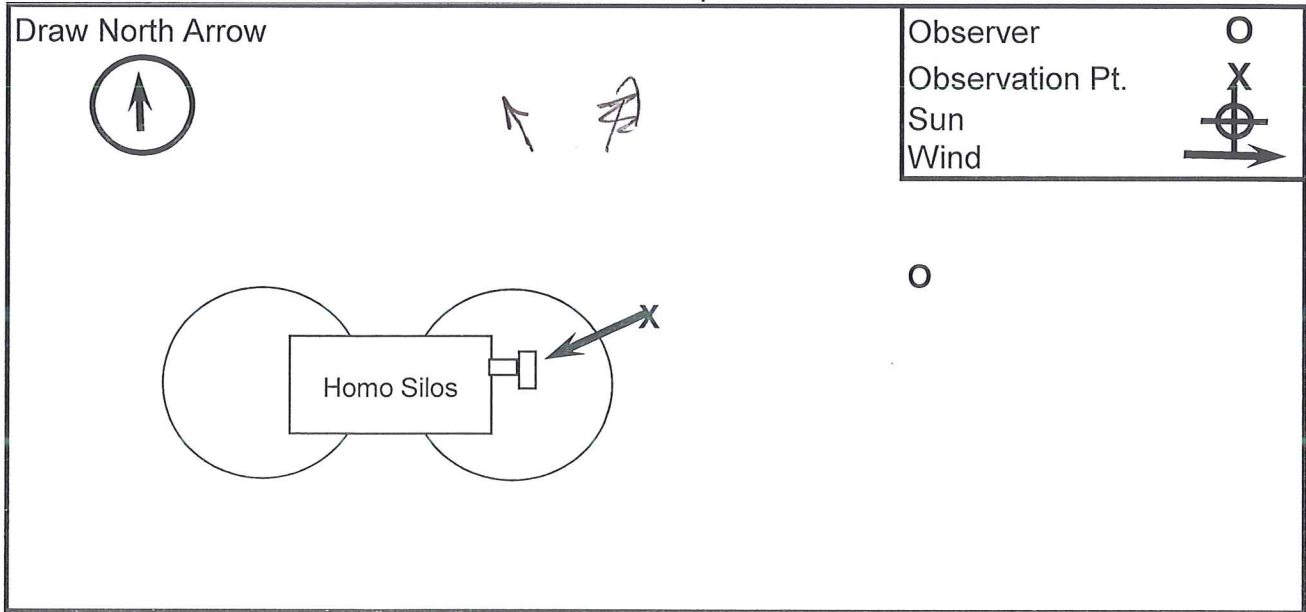
Observer: Perry Dargitz Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> <input checked="" type="checkbox"/> Clear 0-10% Cloud Cover <input type="checkbox"/> Scattered 10-50% Cloud Cover <input type="checkbox"/> Broken 50-90% Cloud Cover <input type="checkbox"/> Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Mist <input type="checkbox"/> Sprinkle <input type="checkbox"/> Rain
Wind Speed: <u>13.8 mph</u>	Wind Direction: <u>NW</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:55 PM Ending 1:56 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargitz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU20

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: IBAU Mixing Bin Vent (West Raw Material Trans IBAU Bin Bottom)

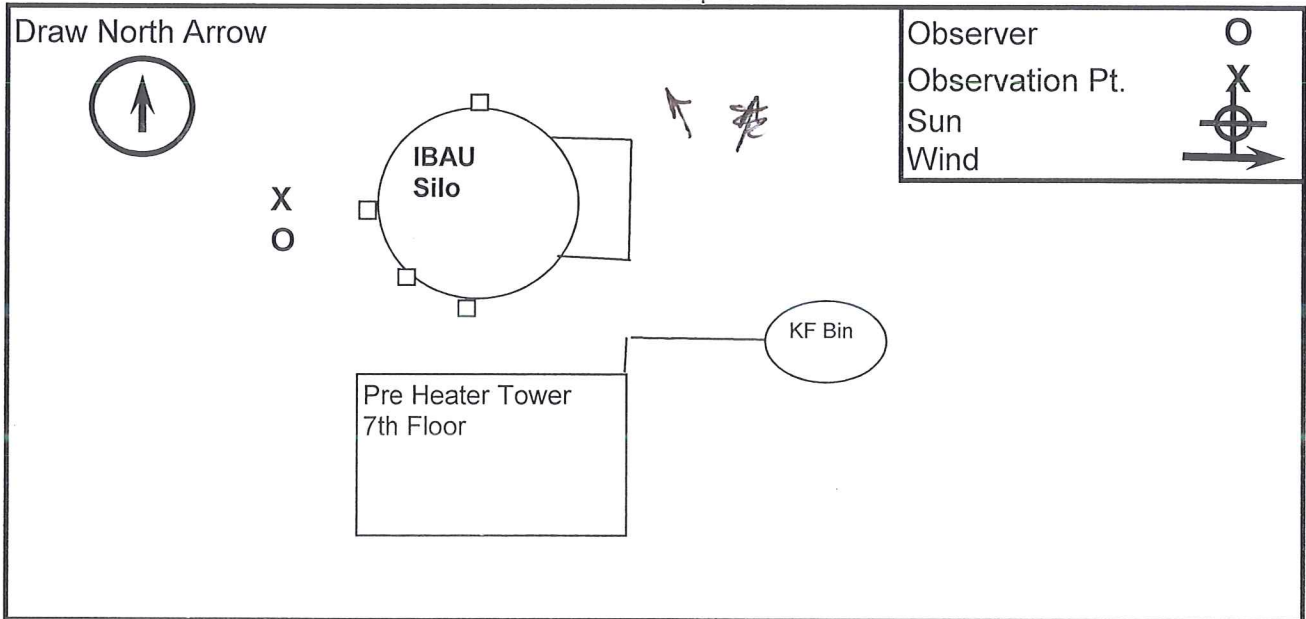
Observer: Perry Dargatz Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> <input checked="" type="checkbox"/> Clear 0-10% Cloud Cover <input type="checkbox"/> Scattered 10-50% Cloud Cover <input type="checkbox"/> Broken 50-90% Cloud Cover <input type="checkbox"/> Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Mist <input type="checkbox"/> Sprinkle <input type="checkbox"/> Rain
Wind Speed: <u>13.8 mph</u>	Wind Direction: <u>NW</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 2:03 PM Ending 2:04 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU21

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: IBAU Silo Vent (Raw Mat.Transfer IBAU Elev West to Top of Silo )

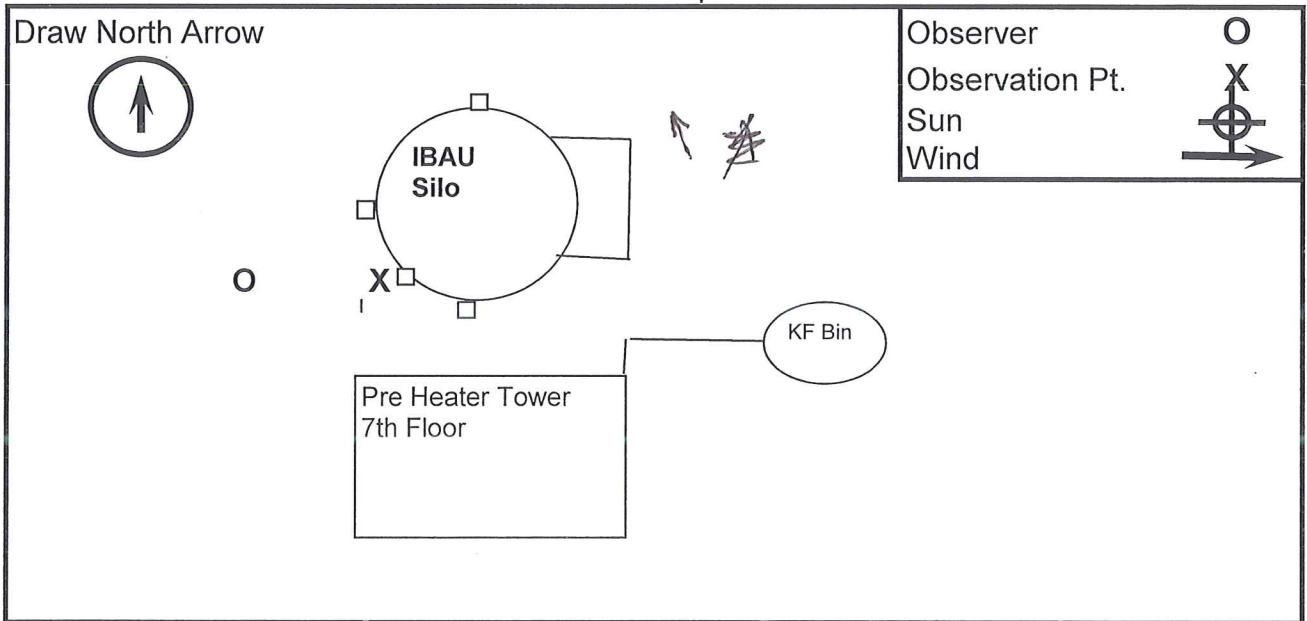
Observer: Perry Dargatz Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <u>None</u> Mist Sprinkle Rain
<b>Wind Speed:</b> <u>13.8 mph</u>	<b>Wind Direction:</b> <u>NW</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 2:05 PM Ending 2:06 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

**LEHIGH**  
HEIDELBERGCEMENT Group

EU22

### Method 22 Visible Emission Inspection Form

Emission Unit: South IBAU Elevator Vent (Raw Mat. Transfer IBAU Elev. To top silo conveyor)

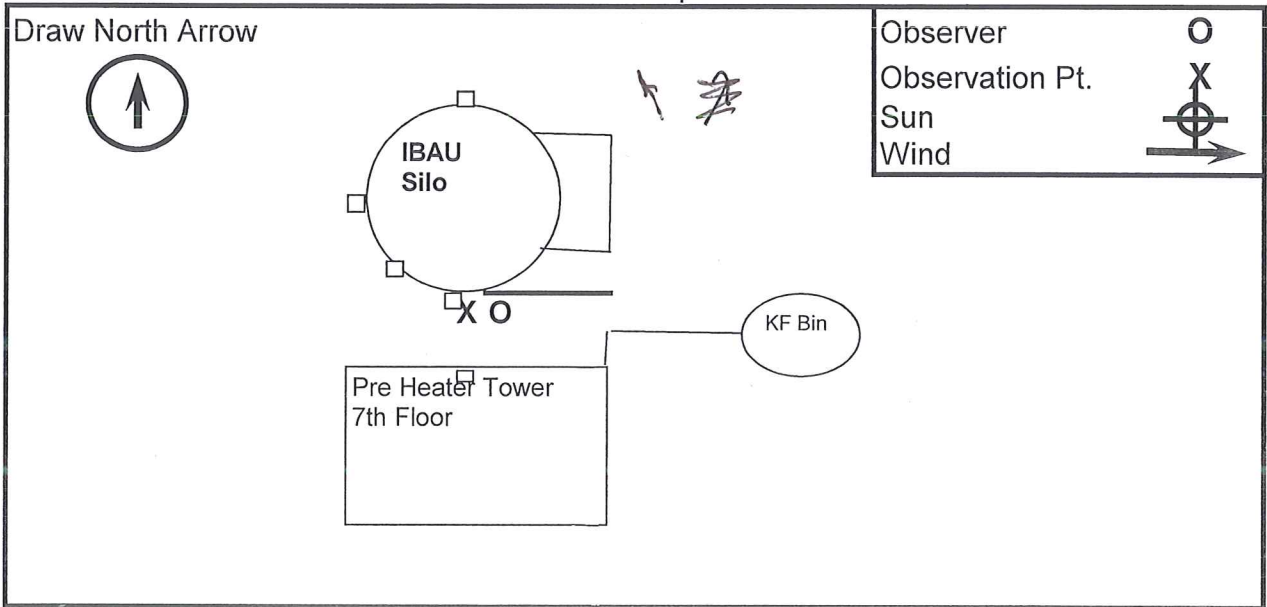
Observer: Perry Dargatzis Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> <input checked="" type="checkbox"/> Clear 0-10% Cloud Cover <input type="checkbox"/> Scattered 10-50% Cloud Cover <input type="checkbox"/> Broken 50-90% Cloud Cover <input type="checkbox"/> Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Mist <input type="checkbox"/> Sprinkle <input type="checkbox"/> Rain
Wind Speed: <u>13.9 mph</u>	Wind Direction: <u>NW</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 2:07 PM Ending 2:08 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatzis

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU23

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: North IBAU Elevator Vent (IBAU BinS Top Elev. Raw Mat.Transfer)

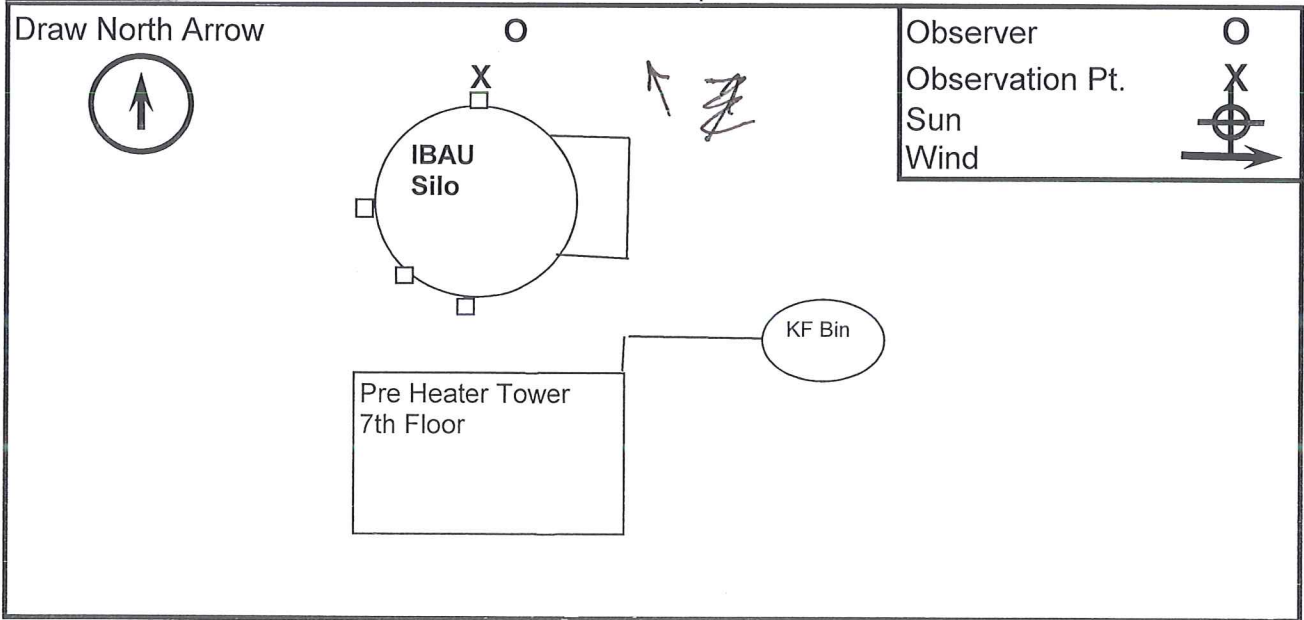
Observer: Perry Dargatzis Date: 12/30/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <u>None</u> Mist Sprinkle Rain
<b>Wind Speed:</b> <u>13.8 mph</u>	<b>Wind Direction:</b> <u>NW</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 2:09 PM Ending 2:10 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES  NO

Observers Signature Perry Dargatzis

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU24

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: Kiln Feed Bin / Kiln Feed Elevators Vent

Observer: Perry Dargatz Date: 12/30/2014

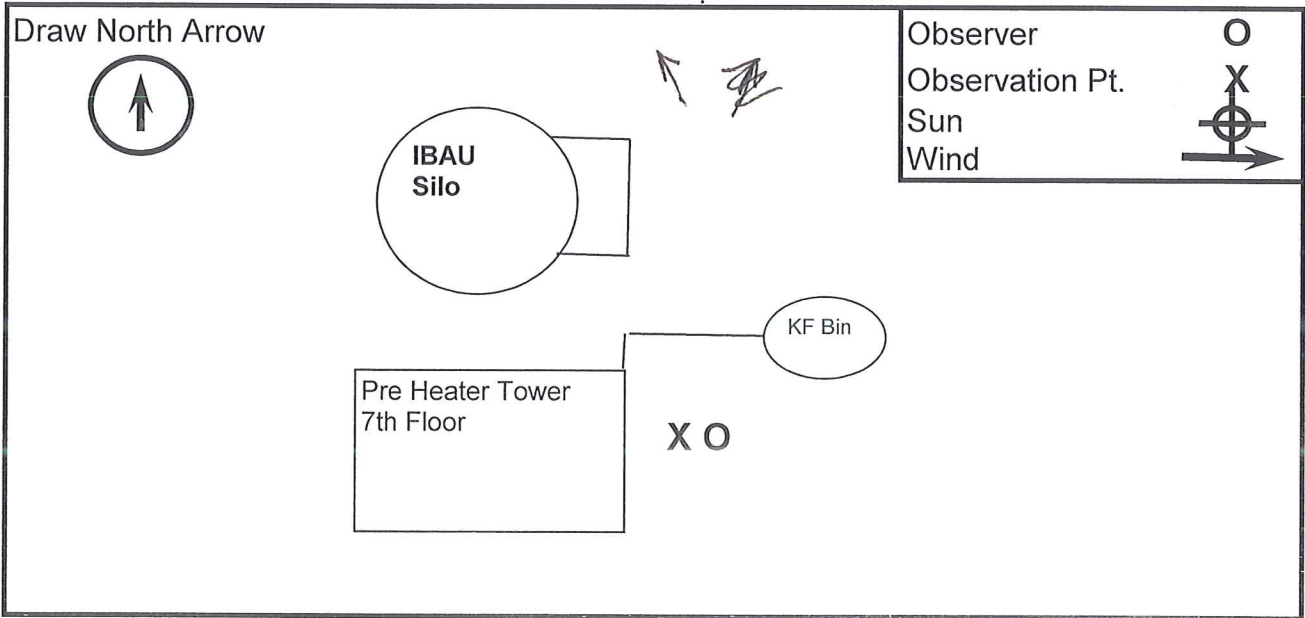
Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> <input checked="" type="checkbox"/> Clear 0-10% Cloud Cover <input type="checkbox"/> Scattered 10-50% Cloud Cover <input type="checkbox"/> Broken 50-90% Cloud Cover <input type="checkbox"/> Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Mist <input type="checkbox"/> Sprinkle <input type="checkbox"/> Rain
---	--

Wind Speed: \_\_\_\_\_ Wind Direction: \_\_\_\_\_

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 2:12 PM Ending 2:13 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU47

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: Cement Silos Vent 5th Floor (Storage Silo)

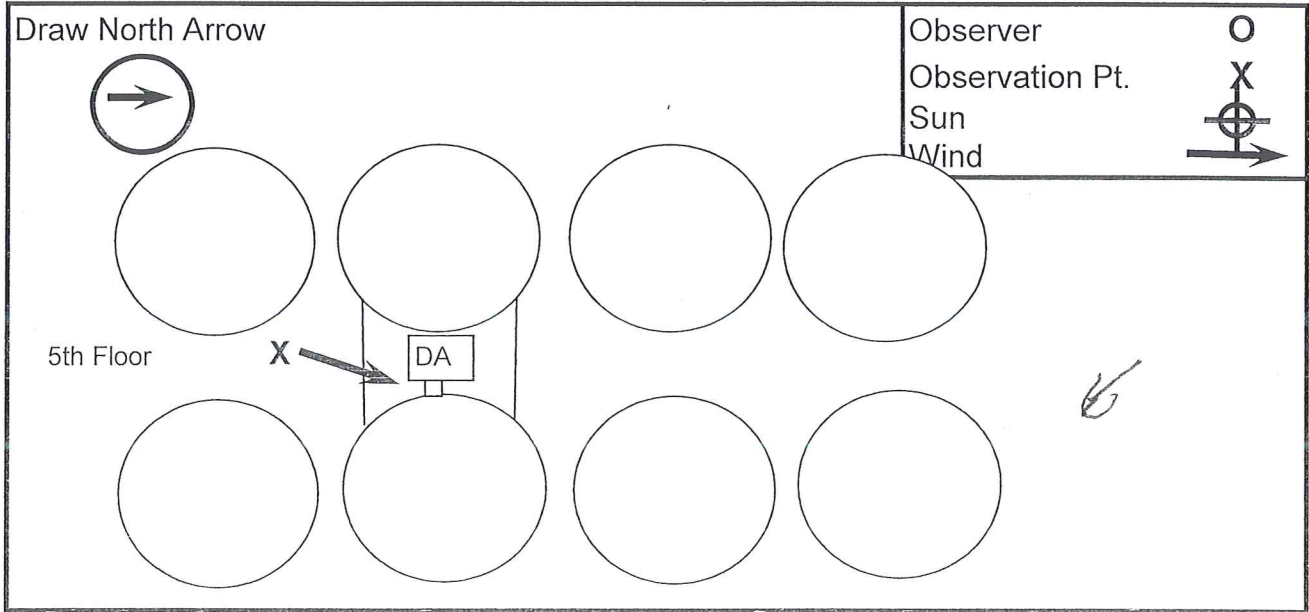
Observer: Perry Dargatz Date: 12/22/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover <u>Overcast 90-100% Cloud Cover</u>	<b>Precipitation (Circle One)</b> None Mist Sprinkle Rain <i>Snow</i>
<b>Wind Speed:</b> <u>12.7 mph</u>	<b>Wind Direction:</b> <u>SE</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:35 PM Ending 1:36 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES  NO

Observers Signature Perry Dargatz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU48

**LEHIGH**  
HEIDELBERGCEMENT Group

### Method 22 Visible Emission Inspection Form

Emission Unit: Cement Silo Transfer Elevator (Transfer Bucket Elevator)

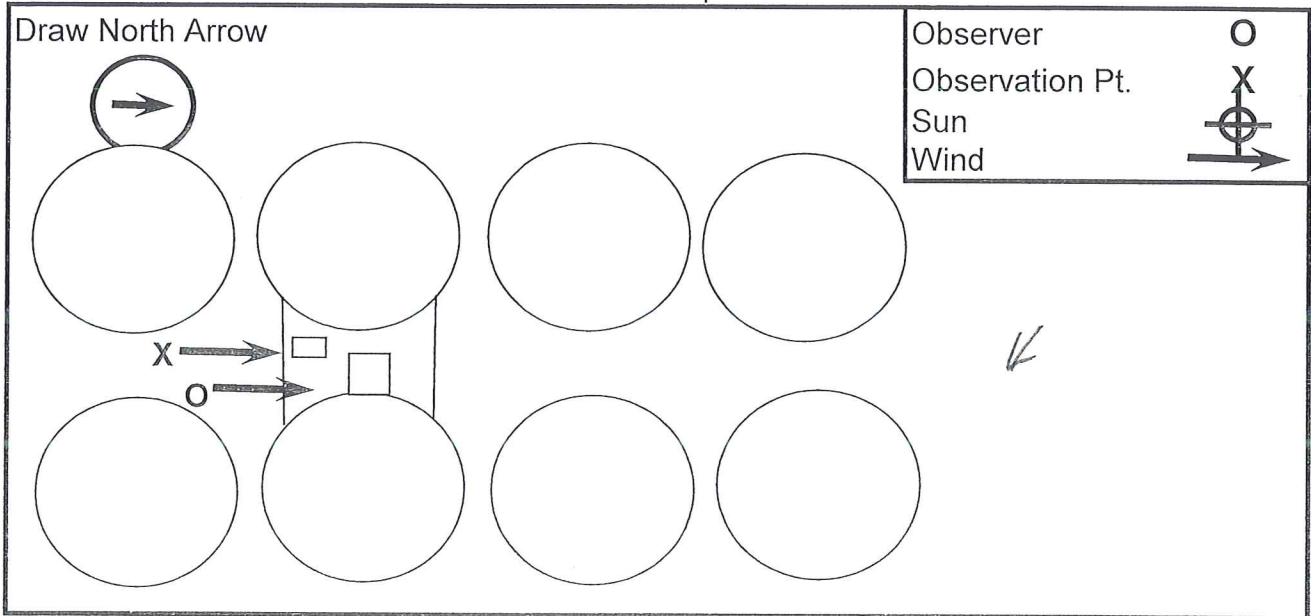
Observer: Perry Dargitz Date: 12/22/2014

Location (Circle One) Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover <u>Overcast 90-100% Cloud Cover</u>	<b>Precipitation (Circle One)</b> None Mist Sprinkle Rain <input type="checkbox"/> Snow <input type="checkbox"/>
Wind Speed: <u>12.7 mph</u>	Wind Direction: <u>SE</u>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:41 PM Ending 1:42 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES  NO

Observers Signature Perry Dargitz

Lehigh Cement Company  
700 25th Street NW  
Mason City, IA 50401

EU 50

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### Method 22 Visible Emission Inspection Form

Emission Unit: 40 Row Loadout (Cement Bulk)

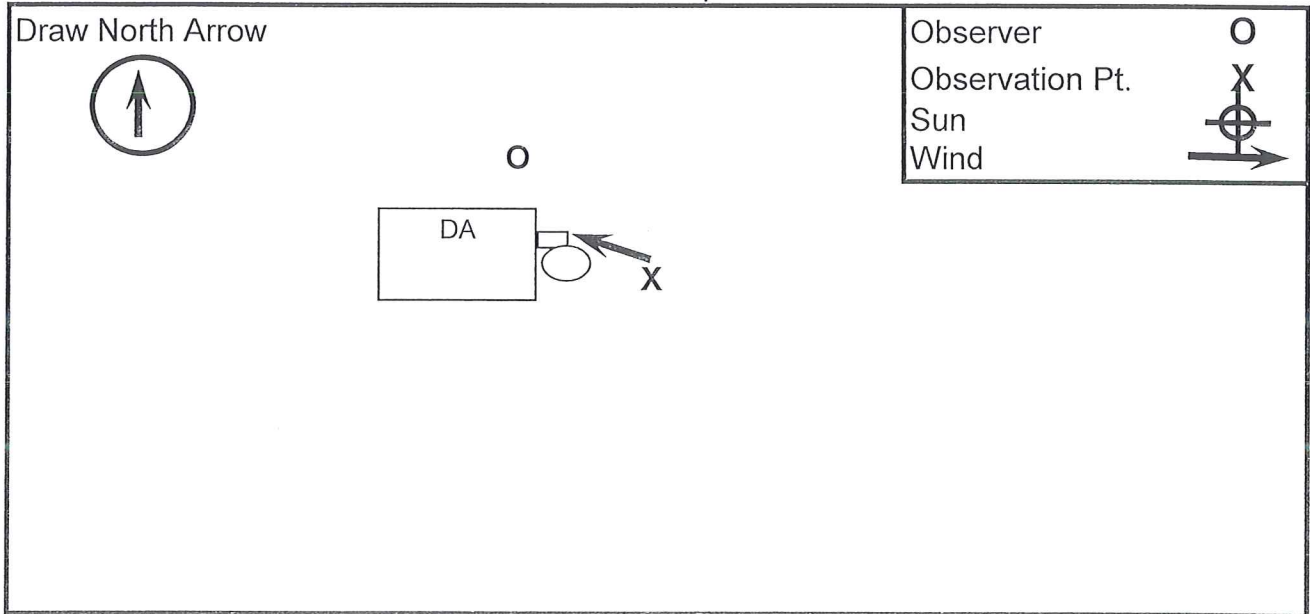
Observer: Perry Dargitz Date: 12/22/2014

Location (Circle One) Indoor Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> None Mist Sprinkle Rain
<b>Wind Speed:</b>	<b>Wind Direction:</b>

Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:04 PM Ending 1:05 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES NO

Observers Signature Perry Dargitz

Lehigh Cement Company  
 700 25th Street NW  
 Mason City, IA 50401

EU 51

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## Method 22 Visible Emission Inspection Form

Emission Unit: 30 Row Loadout

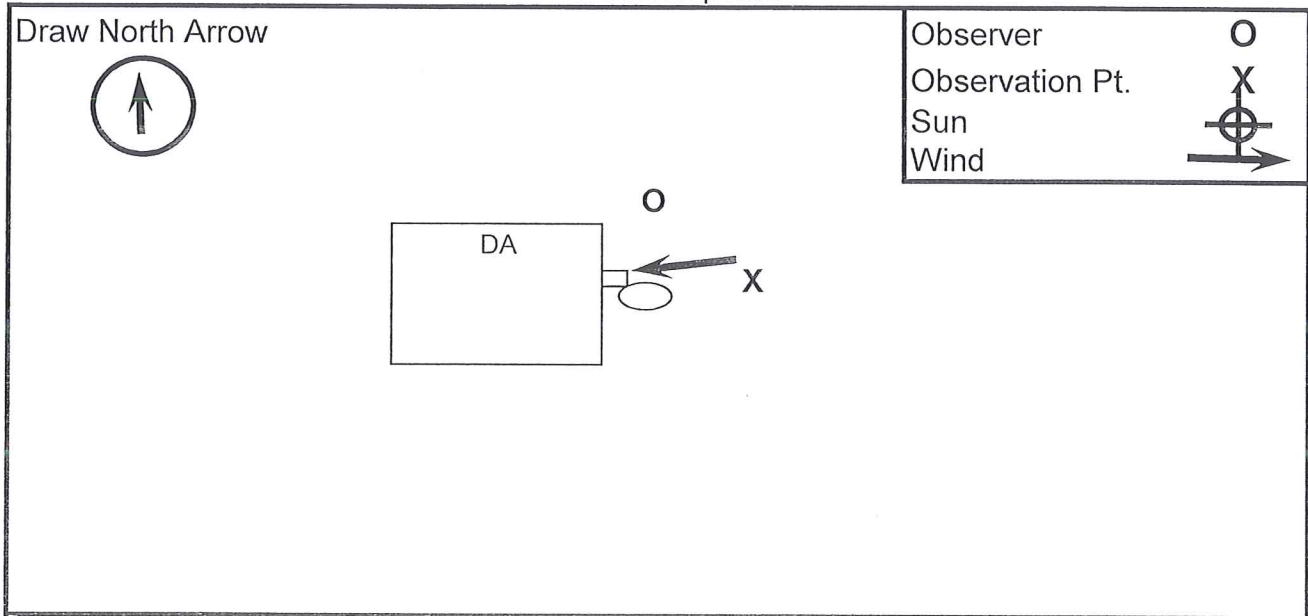
Observer: Perry Dargatzis Date: 12/22/2014

Location (Circle One) Indoor Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> None Mist Sprinkle Rain
<b>Wind Speed:</b>	<b>Wind Direction:</b>

**Sketch process unit:** Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:08 Ending 1:09 Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatzis

Lehigh Cement Company  
 700 25th Street NW  
 Mason City, IA 50401

EU 52

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## Method 22 Visible Emission Inspection Form

Emission Unit: Rail Loadout Elevator (Silo Row 50 Rail/Truck Cement Loading System)

Observer: Perry Dargatzis Date: 12/22/2015


Location (Circle One) Indoor Outdoor


Weather (not applicable if observing an indoor location)


<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> None Mist Sprinkle Rain
<b>Wind Speed:</b>	<b>Wind Direction:</b>


Sketch process unit: Indicate observers position relative to source; indicate potential and/or actual emission points


Draw North Arrow

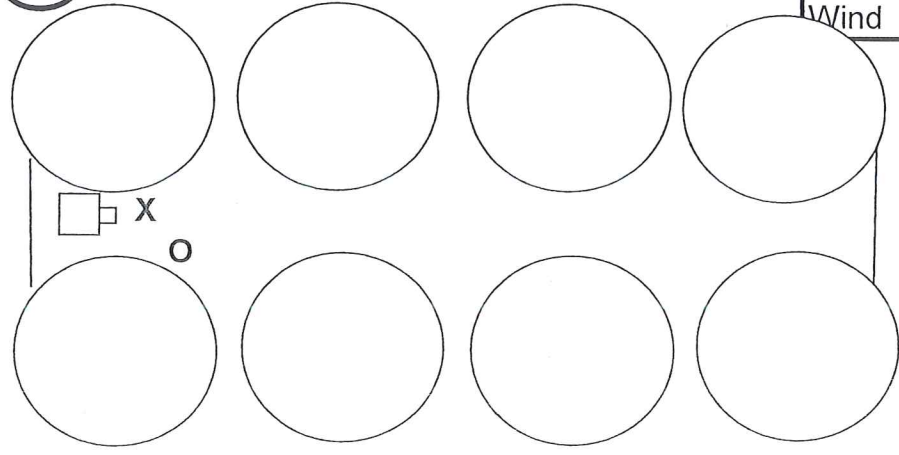


Observer 

Observation Pt. 

Sun 

Wind 



Observation Time:

Beginning 1:13 PM Ending 1:14 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatzis

Lehigh Cement Company  
 700 25th Street NW  
 Mason City, IA 50401

EU 53

**LEHIGH**  
 HEIDELBERGCEMENT Group

## Method 22 Visible Emission Inspection Form

Emission Unit: 50 Row Cement Loadout Spout

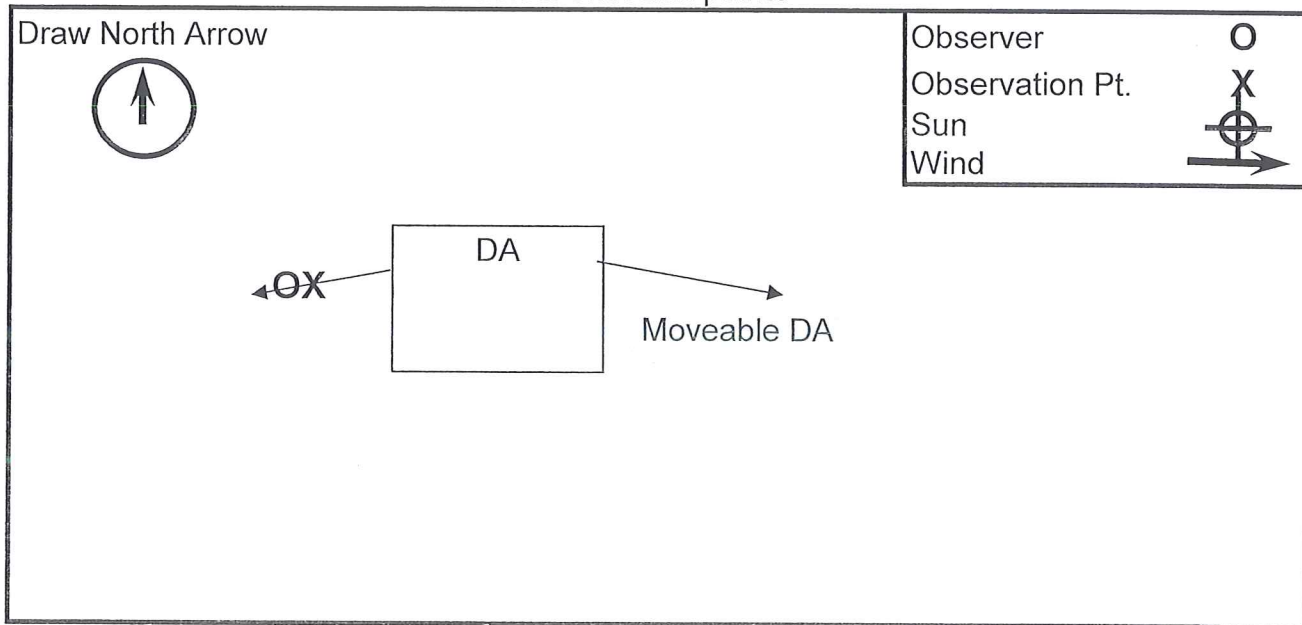
Observer: Perry Dargatz Date: 12/22/2014

Location (Circle One)  Indoor  Outdoor

Weather (not applicable if observing an indoor location)

<b>Sky Conditions (Circle One)</b> Clear 0-10% Cloud Cover Scattered 10-50% Cloud Cover Broken 50-90% Cloud Cover Overcast 90-100% Cloud Cover	<b>Precipitation (Circle One)</b> None Mist Sprinkle Rain
<b>Wind Speed:</b>	<b>Wind Direction:</b>

**Sketch process unit:** Indicate observers position relative to source; indicate potential and/or actual emission points



Observation Time:

Beginning 1:17 PM Ending 1:18 PM Total 1 min

Visual Emissions Observed during the Observation Period (Circle One)

YES

NO

Observers Signature Perry Dargatz