

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)
 Method 9 203A 203B Other: _____

Company Name: **CEMEX**
 Facility Name: **Stuart**
 Street Address: **1232 S. Dixie Hwy**
 City: **Stuart** State: **FL** Zip: **34994**

Process: **Cement loading** Unit #: **W. Side** Operating Mode: **loading**
 Control Equipment: **Bayhouse** Emission Code: **E0003** Operating Mode: **operating**

Describe Emission Point:
Cement type # West Side Bayhouse

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start **70'** End **70'** Start **70'** End **70'**
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start **206'** End **206'** Start **316°** End **316°**

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start **77°19'** End **19°** Start **316°** End **316°**
 Distance and Direction to Observation Point from Emission Point
 Start **same point** End **same point**

Describe Emissions
 Start **none** End **none**
 Emission Color Water Droplet Plume
 Start **none** End **none** Attached Detached None

Describe Plume Background
 Start **sky** End _____
 Background Color Sky Conditions
 Start **Blue** End **Blue** Start **Clear** End **Clear**
 Wind Speed Wind Direction
 Start **18.4** End **18.4** Start _____ End _____
 Ambient Temp. Wet Bulb Temp. RH Percent
 Start **66°** End **66°** _____ **56%**

Source Layout Sketch

Draw North Arrow
 TN MN

Scale: 1" = 100 FEET

Side View: 1" = 10 FEET

Stack With Plume, Sun, Wind

Longitude: **-80.24395426** Latitude: **27.18799594** Declination: _____

Additional Information
see attached aerial photo map.

Form Number: _____ Page **1** Of **1**
 Continued on VEO Form Number: _____

Observation Date		Time Zone		Start Time	End Time	Comments
2/1/2013		Eastern		12:52	1:07	
Sec	0	15	30	45		
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0		
5	0	0	0	0		
6	0	0	0	0		
7	0	0	0	0		
8	0	0	0	0		
9	0	0	0	0		
10	0	0	0	0		
11	0	0	0	0		
12	0	0	0	0		
13	0	0	0	0		
14	0	0	0	0		
15	0	0	0	0		
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26						
27						
28						
29						
30						

Observer's Name (Print): **Scott D. Trainor**
 Observer's Signature: *Scott D. Trainor* Date: **2/1/2013**
 Organization: **FDEP**
 Certified By: *Eastern Technical Assoc.* Date: **1/8/2013**

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 Method 9 203A 203B Other: _____

Company Name: **CEMEX**
 Facility Name: **Stuart**
 Street Address: **1232 S. Dixie Hwy**
 City: **Stuart** State: **FL** Zip: **34994**

Process: **Cement Loading** Unit #: **E. Side** Operating Mode: **loading**
 Control Equipment: **Baghouse** Operating Mode: **operating**

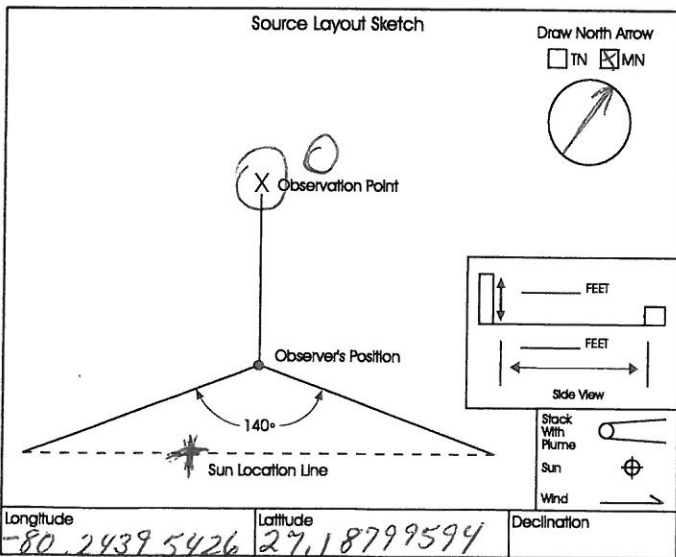
Describe Emission Point:
Cement Type II East Side Baghouse

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start **70'** End **70'** Start **70'** End **70'**
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start **206'** End **206'** Start **316°** End **316°**

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start **20°19'** End **19°** Start **316°** End **316°**
 Distance and Direction to Observation Point from Emission Point
 Start **same point** End **same point**

Describe Emissions
 Start **none** End **none**
 Emission Color Water Droplet Plume
 Start **none** End **none** Attached Detached None

Describe Plume Background
 Start **Sky** End **Sky**
 Background Color Sky Conditions
 Start **Blue** End **Blue** Start **Clear** End **Clear**
 Wind Speed Wind Direction
 Start **18.4** End **18.4** Start **N** End **N**
 Ambient Temp. Wet Bulb Temp. RH Percent
 Start **66°** End **66°** **56%**



Additional Information:
see attached aerial photo map

Form Number: _____ Page: **1** Of: **1**
 Continued on VEO Form Number: _____

Eastern

Observation Date	Time Zone	Start Time	End Time	Comments				
2/1/2013	EST	12:52	1:07	Sec	0	15	30	45
Min	0	15	30	45				
1	0	0	0	0				
2	0	0	0	0				
3	0	0	0	0				
4	0	0	0	0				
5	0	0	0	0				
6	0	0	0	0				
7	0	0	0	0				
8	0	0	0	0				
9	0	0	0	0				
10	0	0	0	0				
11	0	0	0	0				
12	0	0	0	0				
13	0	0	0	0				
14	0	0	0	0				
15	0	0	0	0				
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25								
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27								
28								
29								
30								

Observer's Name (Print): **Scott D. Trainer**
 Observer's Signature: *Scott D. Trainer* Date: **2/1/2013**
 Organization: **FDEP**
 Certified By: *Eastern Technical Associates* Date: **1/8/2013**

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)
 Method 9 203A 203B Other: _____

Company Name CEMEX
 Facility Name Stuart
 Street Address 1232 S Dixie Hwy
 City Stuart State FL Zip 34994

Process Fly Ash loading Unit # EU004 Operating Mode loading 10 psi
 Control Equipment baghouse Operating Mode operational

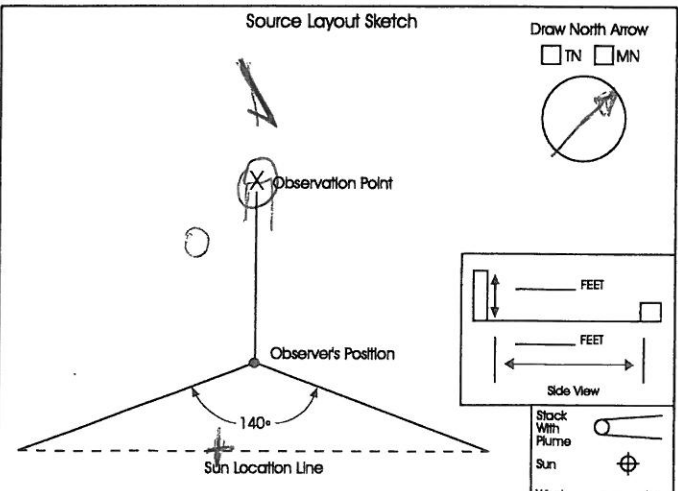
Describe Emission Point
baghouse on top of flyash silo

Height of Emiss. Pt. Start 55' End 55' Height of Emiss. Pt. Rel. to Observer Start 55' End 55'
 Distance to Emiss. Pt. Start 204' End 204' Direction to Emiss. Pt. (Degrees) Start 318° End 318°

Vertical Angle to Obs. Pt. Start 15° End same Direction to Obs. Pt. (Degrees) Start 318° End 318°
 Distance and Direction to Observation Point from Emission Point Start same point End _____

Describe Emissions
 Start white dust End same
 Emission Color Start white End same Water Droplet Plume Attached Detached None

Describe Plume Background
 Start blue sky End blue sky
 Background Color Start blue End blue Sky Conditions Start clean End clean
 Wind Speed Start ~14.5 End ~17 mph Wind Direction Start NNW End N
 Ambient Temp. Start 64°F End 65°F Wet Bulb Temp. _____ RH Percent 56%



Longitude -80.24395510 Latitude 27.18808894 Declination _____

Additional Information
See Over head Map (attached)

Form Number _____ Page 1 Of 1
 Continued on VEO Form Number _____

Observation Date		Time Zone		Start Time	End Time	Comments
2/1/2013		EST		11:18	12:18	
Min	Sec	0	15	30	45	
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0		
5	0	0	0	0		
6	0	0	0	0		
7	0	0	0	0		
8	0	0	0	0		
9	0	0	0	0		
10	0	0	0	0		
11	0	0	0	0		
12	0	0	0	0		
13	0	0	0	0		
14	0	0	0	0		
15	0	0	0	0		
16	0	0	0	0		
17	0	0	0	0		small leak to side of baghouse stopped test - resumed after repair at 12:04
18	0	0	0	0		
19	0	0	0	0		
20	0	0	0	0		
21	0	0	0	0		
22	0	0	0	0		
23	0	0	0	0		
24	0	0	0	0		
25	0	0	0	0		
26	0	0	0	0		
27	0	0	0	0		
28	0	0	0	0		
29	0	0	0	0		
30	0	0	0	0		12:18

Observer's Name (Print) Scott D. Trainer
 Observer's Signature Scott D. Trainer Date 2/1/2013
 Organization FDEP
 Certified By Eastern Technical Assoc. Date 1/8/2013

Map Direct - Windows Internet Explorer

http://ca.dep.state.fl.us/mapdirect/?focus=watergateway

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Map Direct

Florida Department of Environmental Protection

Map Direct: Water Gateway

Draw and Label ...

- Draw Points
- Draw Line
- Draw Polygon
- Zoom to Shape
- Add Shape to Map
- Remove Highlighted Point
- Clear Graphics
- Plot Latitude/Longitude List
- Email This Map

Analyze and Buffer ...

Get Driving Directions ...

Measure and Set Units ...

- Measure Distance
- Measure Area
- Set Distance Units
- Set Coordinate System

Shape Type

Your Area of Interest is being shown as a line.

Shape Points

1:	27.18799594, -80.24395426
2:	27.18767676, -80.24352959

Shape Segments

1 to 2:	205.63 feet
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Shape Length

Length:	205.63 feet
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Cement Type II Silo East Side

Cement Type II Silo West Side

Observer Location

42 feet

100%

Map Direct (v8.130122) | Print to PDF | Help | Disclaimer | Gateway | Email This Map | Contact Us

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Map Direct - Windows Internet Explorer

http://ca.dep.state.fl.us/mapdirect/?focus=watergateway

File Edit View Favorites Tools Help

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Map Direct

Map Direct: Water Gateway

Florida Department of Environmental Protection

Draw and Label ...

- Draw Points
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Analyze and Buffer ...

- Get Driving Directions ...

Measure and Set Units ...

- Measure Distance
- Measure Area
- Set Distance Units
- Set Coordinate System

Shape Type

Your Area of Interest is being shown as a line.

Shape Points

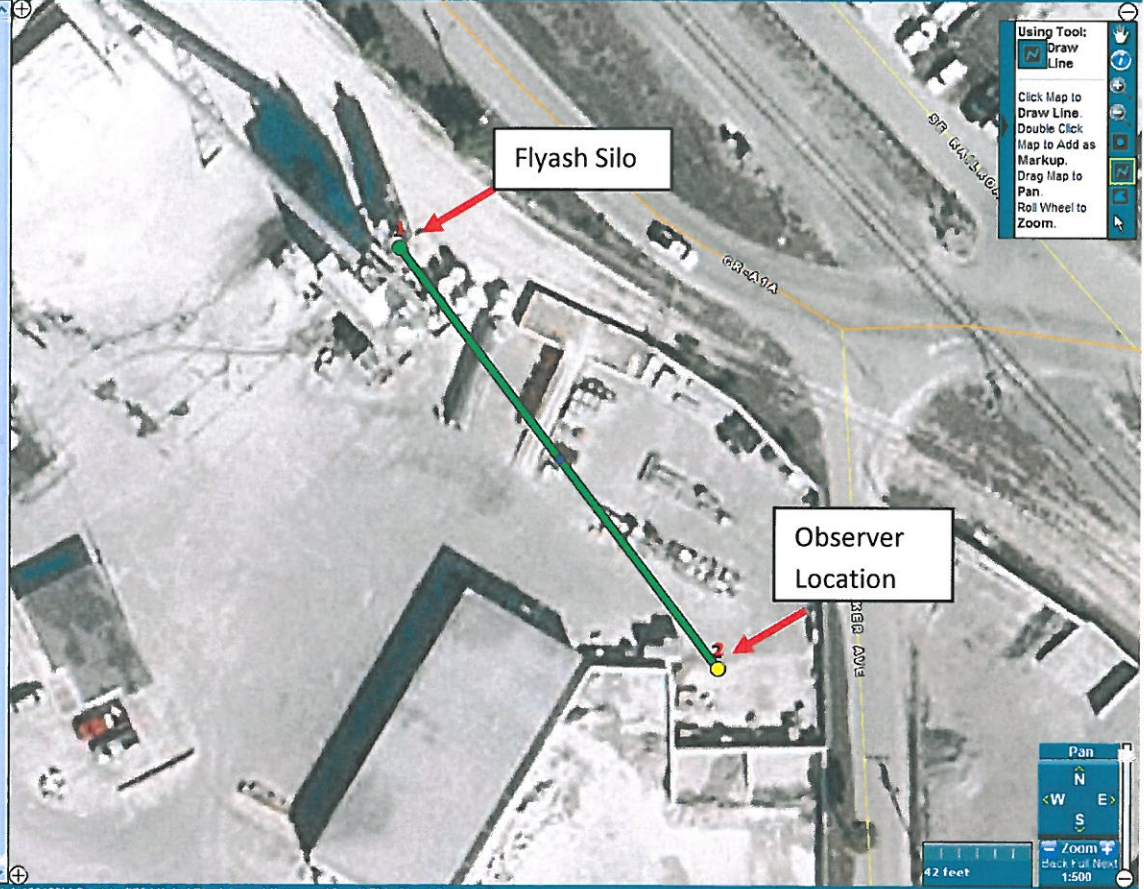
1:	27.18808894, -80.24395510
2:	27.18763317, -80.24358789

Shape Segments

1 to 2:	204.22 feet
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Shape Length

Length	204.22 feet
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Using Tool:

- Draw Line

Click Map to Draw Line. Double Click Map to Add as Markup. Drag Map to Pan. Roll Wheel to Zoom.

42 feet

1:500

Local intranet 100%

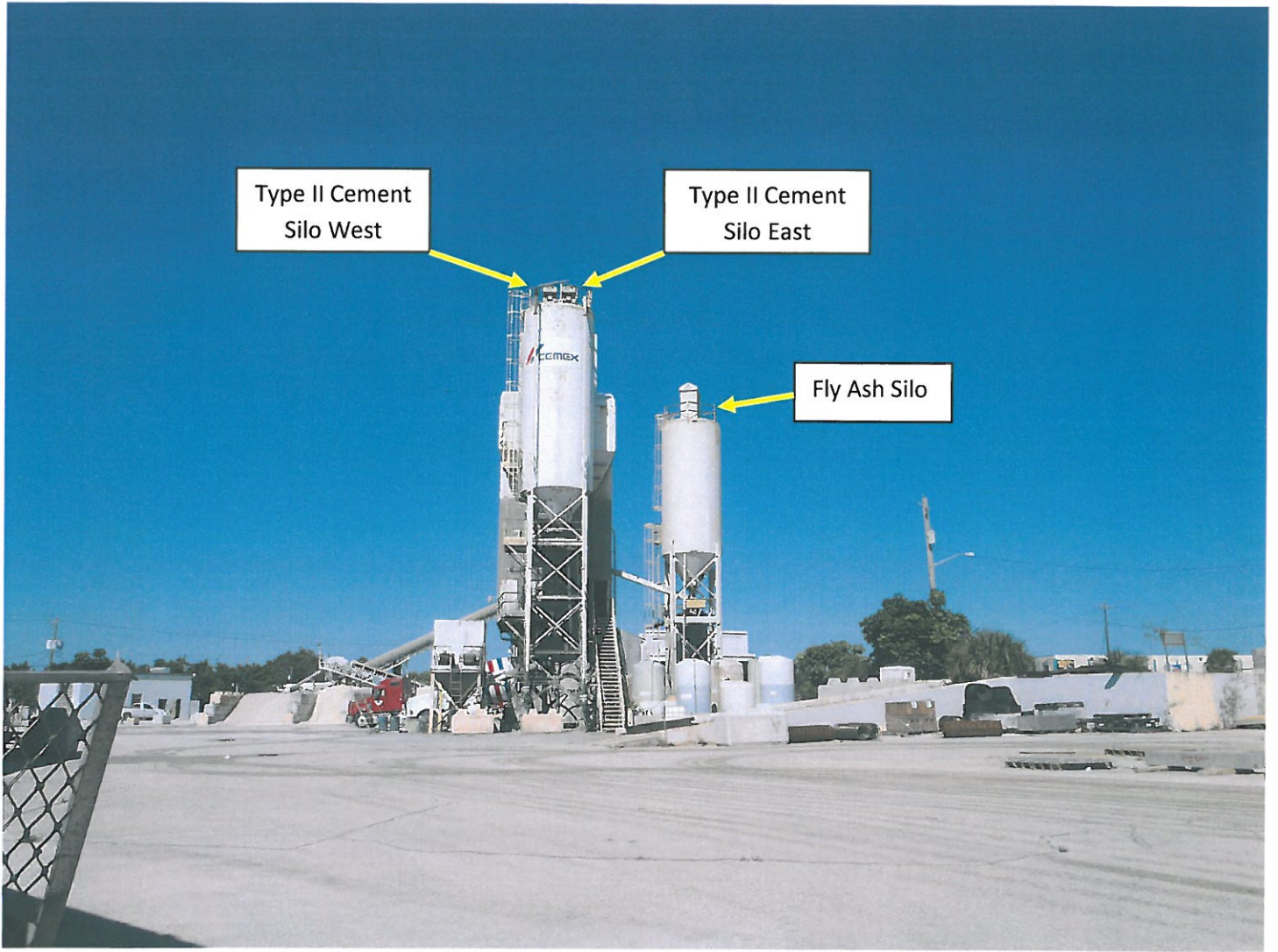
Map Direct (v6.130122) | Print to PDF | Help | Disclaimer | Gateway | Email This Map | Contact Us

Done

start

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10:00 AM



Type II Cement
Silo West

Type II Cement
Silo East

Fly Ash Silo