

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Form Number _____ Page 1 of 2
 Continued on VEO Form Number _____

Company Name Cemex
 Facility Name #0210026
 Street Address 15555 TAMIAH TRL EAST
 City NAPLES State FL Zip _____

Process loading cement Unit # 1 Operating Mode LEPST
 Control Equipment baghouse Operating Mode NORMAL

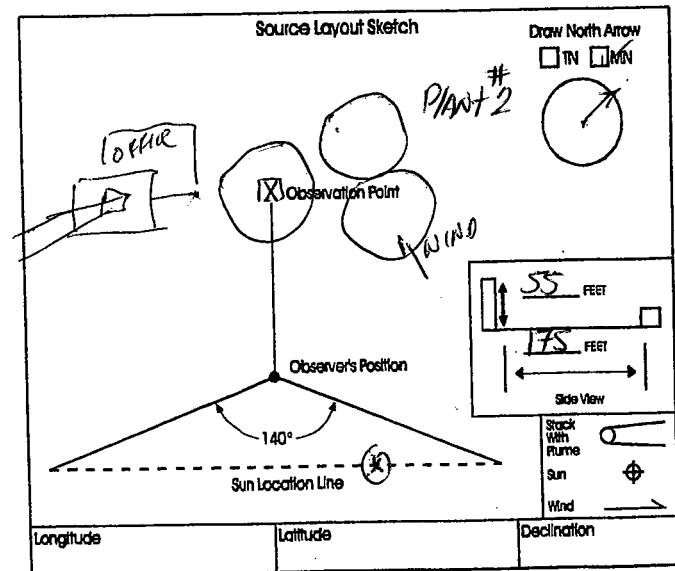
Describe Emission Point
SHORTER white silo plant (old plant) #2

Height of Emiss. Pt. Start 255' End 255' Height of Emiss. Pt. Rel. to Observer Start 255' End 255'
 Distance to Emiss. Pt. Start 2175' End 2175' Direction to Emiss. Pt. (Degrees) Start 310 End 310

Vertical Angle to Obs. Pt. Start 27° End 27° Direction to Obs. Pt. (Degrees) Start 310 End 310
 Distance and Direction to Observation Point from Emission Point Start N/A End N/A

Describe Emissions
 Start NONE End NONE
 Emission Color Start N/A End N/A Water Droplet Plume Attached Detached None

Describe Plume Background
 Start SKY End SKY
 Background Color Start BLUE End _____ Sky Conditions Start clear End clear
 Wind Speed Start 0-5 MPH End 5-10 MPH Wind Direction Start NE End NNE
 Ambient Temp. Start 47° End 72° F Wet Bulb Temp. _____ RH Percent 85.6%



Additional Information
25.38 tons cement loaded
29.28 tons/hr.

Observation Date	Time Zone	Start Time	End Time	Comments					
<u>5/9/13</u>	<u>EST</u>	<u>8:33AM</u>	<u>9:25AM</u>	Sec	0	15	30	45	
Min									
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					
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					

25.38 tons cement loaded

Observer's Name (Print) ROBERT J. Stewart
 Observer's Signature Robert J. Stewart Date 5/9/13
 Organization FDEP
 Certified By E.T.A Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

Form Number	Page <u>2</u> of <u>2</u>
Continued on VEO Form Number	

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

Company Name Cemex
 Facility Name #0210026
 Street Address _____
 City _____ State _____ Zip _____

Process	Unit # <u>1</u>	Operating Mode
Control Equipment		Operating Mode

Describe Emission Point

Height of Emiss. Pt. Start _____ End _____	Height of Emiss. Pt. Rel. to Observer Start _____ End _____
Distance to Emiss. Pt. Start _____ End _____	Direction to Emiss. Pt. (Degrees) Start _____ End _____

Vertical Angle to Obs. Pt. Start _____ End _____	Direction to Obs. Pt. (Degrees) Start _____ End _____
Distance and Direction to Observation Point from Emission Point Start _____ End _____	

Describe Emissions

Start _____ End _____	Water Droplet Plume
Emission Color	Attached <input type="checkbox"/> Detached <input type="checkbox"/> None <input type="checkbox"/>

Describe Plume Background

Start _____ End _____	Sky Conditions
Background Color	Start _____ End _____
Wind Speed	Wind Direction
Start _____ End _____	Start _____ End _____
Ambient Temp.	Wet Bulb Temp.
Start _____ End _____	RH Percent

Source Layout Sketch

Draw North Arrow
 TN MN

Longitude _____

Latitude _____

Declination _____

Sec	Time Zone <u>EST</u>				Start Time	End Time <u>9:25AM</u>
Min	0	15	30	45	Comments	
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	-	-		check pressure 9:09 10 PSI
8	-	-	-	-		" "
9	-	-	-	-		" "
10	0	0	0	0		9:11, resume NE obs
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		
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		done pumping
23						
24						
25						
26						
27						
28						
29						
30						

Observer's Name (Print) <u>Robert J. Stewart</u>	Date <u>5/19/13</u>
Observer's Signature <u>Robert J. Stewart</u>	
Organization <u>FDEP</u>	
Certified By <u>E.T.A.</u>	Date <u>2/13/13</u>

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)
 Method 1 203A 203B Other: _____

Company Name: **Cemex CONST. MAT.**
 Facility Name: **#0210026**
 Street Address: **1555 TAMIAH TRAIL EAST**
 City: **NAPLES** State: **FL** Zip: _____

Process: **flyash loading cement** Unit #: **2** Operating Mode: **8 PSI**
 Control Equipment: **baghouse** Operating Mode: **NORMAL**

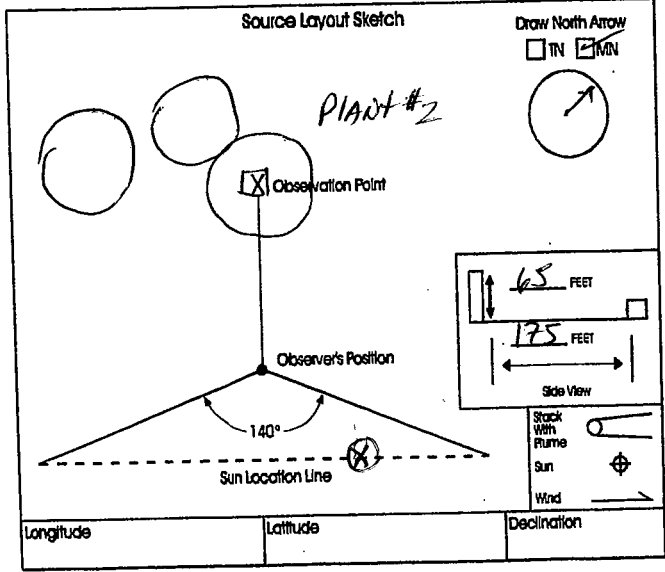
Describe Emission Point: **Tallest white silo (old plant) #2**

Height of Emiss. Pt. Start: **265'** End: **265'** Height of Emiss. Pt. Rel. to Observer Start: **-65'** End: **265'**
 Distance to Emiss. Pt. Start: **2175'** End: **2175'** Direction to Emiss. Pt. (Degrees) Start: **315** End: **315**

Vertical Angle to Obs. Pt. Start: **~17°** End: **~17°** Direction to Obs. Pt. (Degrees) Start: **315** End: **315**
 Distance and Direction to Observation Point from Emission Point Start: **N/A** End: **N/A**

Describe Emissions: Start: **NONE** End: **NONE**
 Emission Color: Start: **N/A** End: **N/A** Water Droplet Plume: Attached Detached None

Describe Plume Background: Start: **SKY** End: **SKY**
 Background Color: Start: **BLUE** End: **BLUE** Sky Conditions: Start: **clear** End: **clear**
 Wind Speed: Start: **0-5mph** End: **5-10mph** Wind Direction: Start: **NE** End: **SAME**
 Ambient Temp.: Start: **67°F** End: **72°F** Wet Bulb Temp.: _____ RH Percent: **85.6%**



Additional Information: **26.91 tons flyash loaded**
37.54 tons/hr.

Form Number: _____ Page: **1** of **2**
 Continued on VEO Form Number: _____

Observation Date	Time Zone	Start Time	End Time	Comments				
5/9/13	EST	8:33	9:15AM	Sec	0	15	30	45
Min								
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				
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				

Observer's Name (Print): **Robert J. Stewart**
 Observer's Signature: *Robert J. Stewart* Date: **5/9/13**
 Organization: **FDEP**
 Certified By: **E.T.A.** Date: **2/13/13**

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Form Number _____ Page 2 of 2
 Continued on VEO Form Number _____

Company Name Demex
 Facility Name # 0210026
 Street Address _____
 City _____ State _____ Zip _____

Process _____ Unit # _____ Operating Mode _____
 Control Equipment _____ Operating Mode _____

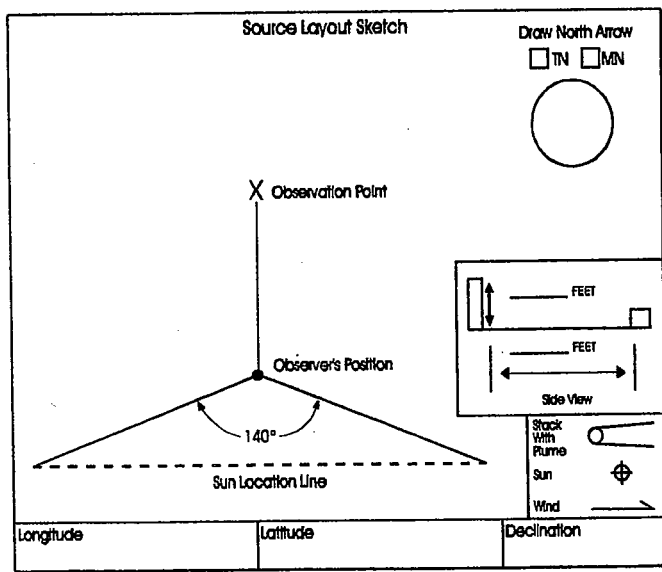
Describe Emission Point

Height of Emiss. Pt. _____ Height of Emiss. Pt. Rel. to Observer _____
 Start _____ End _____ Start _____ End _____
 Distance to Emiss. Pt. _____ Direction to Emiss. Pt. (Degrees) _____
 Start _____ End _____ Start _____ End _____

Vertical Angle to Obs. Pt. _____ Direction to Obs. Pt. (Degrees) _____
 Start _____ End _____ Start _____ End _____
 Distance and Direction to Observation Point from Emission Point
 Start _____ End _____

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

Describe Plume Background
 Start _____ End _____
 Background Color _____ Sky Conditions _____
 Start _____ End _____ Start _____ End _____
 Wind Speed _____ Wind Direction _____
 Start _____ End _____ Start _____ End _____
 Ambient Temp. _____ Wet Bulb Temp. _____ RH Percent _____
 Start _____ End _____



Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
	5/19/13				EST		9:15 AM
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0				
4	0	0	0	0			
5	0	0	0	0			
6	0	0	0	0			
7	0	0	-	-			9:09 check pressure
8	-	-	-	-			" "
9	-	-	-	-			" "
10	0	0	0	0			
11	0	0	0	0			
12	0	0	0	0			
13	0	0	0	-			9:15 done pumping
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

8 PSI

Observer's Name (Print) Robert J. Stewart
 Observer's Signature Robert J. Stewart Date 5/19/13
 Organization FDEP
 Certified By E.T.A. Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name Cemex CONST. MAT.
 Facility Name # 210026
 Street Address 15555 TAMiami TrL EAST
 City NAPles State FL Zip _____

Process loading flyash Unit # 3 Operating Mode 8 PSI
 Control Equipment baghouse Operating Mode _____

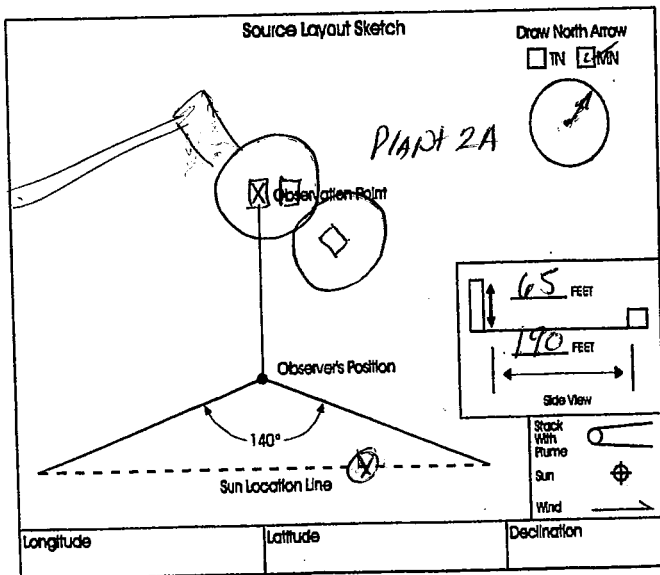
Describe Emission Point split compartment tall silo (south baghouse) new plant (2A)

Height of Emiss. Pt. Start 765 End 765' Height of Emiss. Pt. Rel. to Observer Start 765' End 765'
 Distance to Emiss. Pt. Start ~190 End ~190 Direction to Emiss. Pt. (Degrees) Start 328 End 328

Vertical Angle to Obs. Pt. Start 76° End 76° Direction to Obs. Pt. (Degrees) Start 328 End 328
 Distance and Direction to Observation Point from Emission Point Start NIA End NIA

Describe Emissions Start NONE End NONE
 Emission Color Start NIA End NIA Water Droplet Plume Attached Detached None

Describe Plume Background Start SKY End SKY
 Background Color Start BLUE End SAME Sky Conditions Start clear End clear
 Wind Speed Start 0-5 mph End 0-5 Wind Direction Start NE End NNE
 Ambient Temp. Start 77°F End 81°F Wet Bulb Temp. _____ RH Percent 66%



Additional Information 25.58 tons flyash pumped/loaded in 48 min = 32.34 tons/hr.

Form Number _____ Page 1 of 2
 Continued on VEO Form Number _____

Observation Date		Time Zone				Start Time	End Time
9/9/13		EST				9:40AM	10:26AM
Min	Sec	0	15	30	45	Comments	
1	0	0	0	0	0		
2	0	0	0	0	0		
3	0	0	0	0	0		
4	0	0	0	0	0		
5	0	0	0	0	0		
6	0	0	0	0	0		
7	0	0	0	0	0		
8	0	0	0	0	0		
9	0	0	0	0	0		
10	0	0	0	0	0		
11	0	0	0	0	0		
12	0	0	0	0	0		
13	0	0	0	0	0		
14	0	0	0	0	0		
15	0	0	0	0	0		
16	0	0	0	0	0		
17	0	0	0	0	0		
18	0	0	0	0	0		
19	0	0	0	0	0		
20	0	0	0	0	0		
21	0	0	0	0	0		
22	0	0	0	0	0		
23	0	0	0	0	0		
24	0	0	0	0	0		
25	0	0	0	0	0		
26	0	0	0	0	0		
27	0	0	0	0	0		
28	0	0	0	0	0		
29	0	0	0	0	0		
30	0	0	0	0	0		

Observer's Name (Print) Robert J. Stewart
 Observer's Signature Robert J. Stewart Date 5/9/13
 Organization FDEP
 Certified By E.T.A. Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Form Number _____ Page 2 of 2
Continued on VEO Form Number _____

Company Name Cemex
Facility Name #0210026
Street Address _____
City _____ State _____ Zip _____

Process loading flyash Unit # 3 Operating Mode 8 PSI
Control Equipment _____ Operating Mode _____

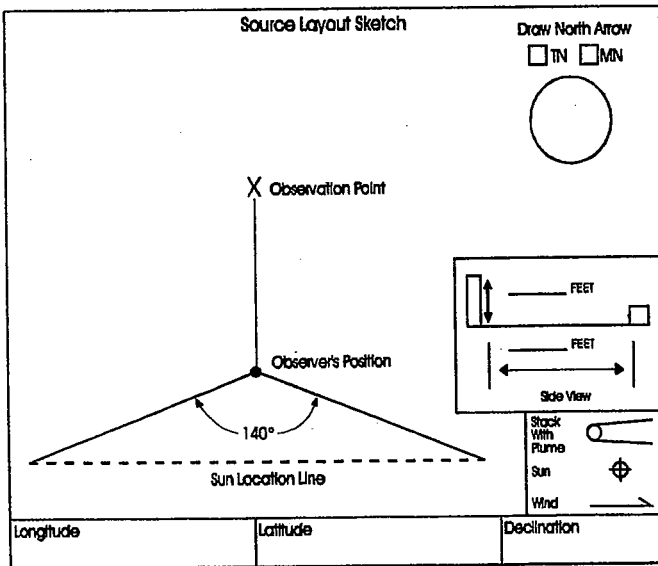
Describe Emission Point

Height of Emiss. Pt. Start 220 End _____ Height of Emiss. Pt. Rel. to Observer Start _____ End _____
Distance to Emiss. Pt. Start _____ End _____ Direction to Emiss. Pt. (Degrees) Start _____ End _____

Vertical Angle to Obs. Pt. Start _____ End _____ Direction to Obs. Pt. (Degrees) Start _____ End _____
Distance and Direction to Observation Point from Emission Point Start _____ End _____

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

Describe Plume Background
Start _____ End _____
Background Color _____ Sky Conditions _____
Start _____ End _____
Wind Speed _____ Wind Direction _____
Start _____ End _____
Ambient Temp. _____ Wet Bulb Temp. _____ RH Percent _____
Start _____ End _____



Min	Sec				Comments
	0	15	30	45	
1	-	-	-	-	10:09 check pressure
2	-	-	-	-	
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	
18	0	0	0	0	done pumping load
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Observer's Name (Print) Robert T. Stewart
Observer's Signature Robert J Stewart Date 5/9/13
Organization EDEP
Certified By E.T.A. Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

Form Number	Page 1 of 3
Continued on VEO Form Number	

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

Company Name: **Cemex Coast MAT**
 Facility Name: **# 0210026**
 Street Address: **5500 15555 TAMiami TRAIL EAST**
 City: **NAPLES** State: **FL** Zip: _____

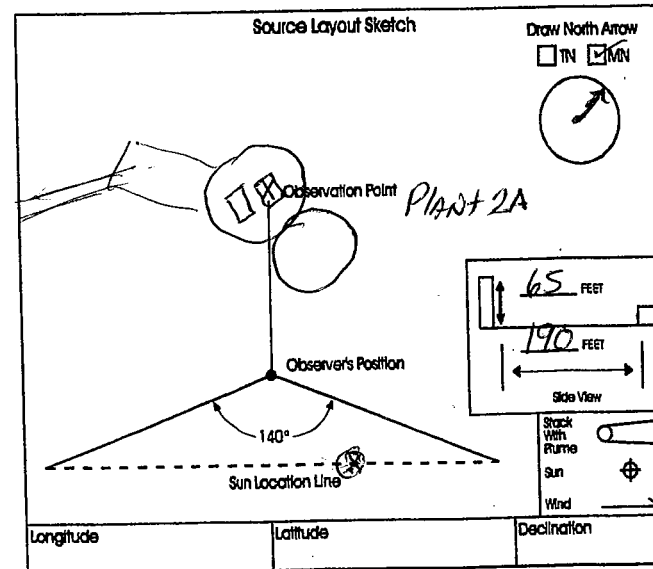
Process: **loading cement** Unit #: **4** Operating Mode: **OPSI**
 Control Equipment: **baghouse** Operating Mode: _____

Describe Emission Point
FALLSIL0 (NORTH split COMPARTMENT)
NEW PLANT (2A)
 Height of Emiss. Pt. Start: **~165'** End: **~265'** Height of Emiss. Pt. Rel. to Observer Start: **~165'** End: **~165'**
 Distance to Emiss. Pt. Start: **~190'** End: **~190'** Direction to Emiss. Pt. (Degrees) Start: **328** End: **328**

Vertical Angle to Obs. Pt. Start: **~16°** End: **~16°** Direction to Obs. Pt. (Degrees) Start: **328** End: **328**
 Distance and Direction to Observation Point from Emission Point
 Start: **NIA** End: **NIA**

Describe Emissions
 Start: **NONE** End: **NONE**
 Emission Color: **N/A** Water Droplet Plume: Attached Detached None

Describe Plume Background
 Start: **SKY** End: **SKY**
 Background Color: Start: **BLUE** End: **SAME** Sky Conditions: Start: **clear** End: **clear**
 Wind Speed: Start: **0-5MPH** End: **SAME** Wind Direction: Start: **NNE** End: **NNW**
 Ambient Temp: Start: **86°F** End: **86°F** Wet Bulb Temp.: _____ RH Percent: **55%**



Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
5/9/13 EST 11:13AM 12:25PM							
1	0	0	0	0			
2	0	0	0	0			
3	0	0	0	0			25.77 tons cement
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			
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	-	-	-			DUST STOP 11:42 leak looked at baghouse? possible NOT SEEN FROM MY POSITION
29	0	0	0	0			11:47 start again
30	0	0	-	-			check pressure TRUCK ON

Observer's Name (Print): **Robert J. Stewart**
 Observer's Signature: *Robert J. Stewart* Date: **5/9/13**
 Organization: **FDEP**
 Certified by: **E.T.A** Date: **2/13/13**

Additional Information
25.77 tons cement loaded. id 72 MIN
= 21.47 tons/hr.

EPA VISIBLE EMISSION OBSERVATION FORM 1

Form Number	Page 2 of 3
Continued on VEO Form Number	

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

Company Name **Cemex**
 Facility Name **#0210026**
 Street Address _____
 City _____ State _____ Zip _____

Process	Unit # 4	Operating Mode
Control Equipment		Operating Mode

Describe Emission Point

Height of Emiss. Pt.	Height of Emiss. Pt. Rel. to Observer
Start _____ End _____	Start _____ End _____
Distance to Emiss. Pt.	Direction to Emiss. Pt. (Degree)
Start _____ End _____	Start _____ End _____

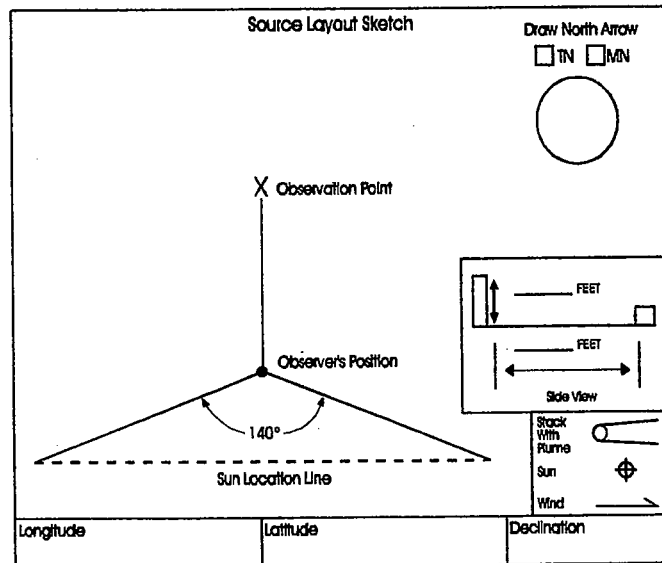
Vertical Angle to Obs. Pt.	Direction to Obs. Pt. (Degree)
Start _____ End _____	Start _____ End _____
Distance and Direction to Observation Point from Emission Point	
Start _____	End _____

Describe Emissions

Start _____	End _____
Emission Color	Water Droplet Plume
Start _____ End _____	Attached <input type="checkbox"/> Detached <input type="checkbox"/> None <input type="checkbox"/>

Describe Plume Background

Start _____	End _____	
Background Color	Sky Conditions	
Start _____ End _____	Start _____ End _____	
Wind Speed	Wind Direction	
Start _____ End _____	Start _____ End _____	
Ambient Temp.	Wet Bulb Temp.	RH Percent
Start _____ End _____	Start _____ End _____	Start _____ End _____



Longitude	Latitude	Declination
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Additional Information

Min	Sec				Comments
	0	15	30	45	
1	-	-	-	-	check pressure Flucks
2	-	-	-	-	
3	0	0	0	0	Start again adjusted gasket
4	0	0	0	0	stop 11:42 start 11:46
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	
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	

Observer's Name (Print) Robert J. Stewart	Date 5/9/13
Observer's Signature Robert J. Stewart	Organization FDEP
Certified By E.T.A.	Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name **Cemex Const. MAT**
 Facility Name **# 0210026**
 Street Address **1555 TAMiami TRAIL EAST**
 City **NAPLES** State **FL** Zip _____

Process **loading cement** Unit # **4** Operating Mode _____
 Control Equipment _____ Operating Mode _____

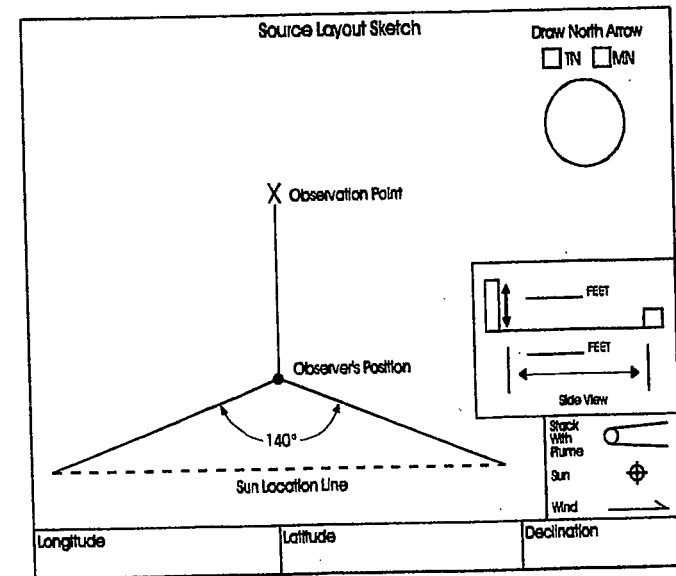
Describe Emission Point

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start End Start End
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start End Start End

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start End Start End
 Distance and Direction to Observation Point from Emission Point
 Start End

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

Describe Plume Background
 Start End
 Background Color Sky Conditions
 Start End Start End
 Wind Speed Wind Direction
 Start End Start End
 Ambient Temp. Wet Bulb Temp. RH Percent
 Start End



Additional Information

Form Number _____ Page **3** of **3**
 Continued on VEO Form Number _____

Sec Min	Observation Date 5/9/13				Time Zone EST	Start Time	End Time 12:25	Comments
	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				12:25 done pumping
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

P93

Observer's Name (Print) **Robert J. Stewart**
 Observer's Signature **Robert Stewart** Date **5/9/13**
 Organization **FDEP**
 Certified By **E.T.A** Date **2/13/13**

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name _____
 Facility Name _____
 Street Address _____
 City _____ State _____ Zip _____

Process _____ Unit # _____ Operating Mode _____
 Control Equipment _____ Operating Mode _____

Describe Emission Point _____

 Height of Emiss. Pt. _____ Height of Emiss. Pt. Rel. to Observer _____
 Start _____ End _____ Start _____ End _____
 Distance to Emiss. Pt. _____ Direction to Emiss. Pt. (Degrees) _____
 Start _____ End _____ Start _____ End _____

Vertical Angle to Obs. Pt. _____ Direction to Obs. Pt. (Degrees) _____
 Start _____ End _____ Start _____ End _____
 Distance and Direction to Observation Point from Emission Point _____
 Start _____ End _____

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

Describe Plume Background _____
 Start _____ End _____
 Background Color _____ Sky Conditions _____
 Start _____ End _____ Start _____ End _____
 Wind Speed _____ Wind Direction _____
 Start _____ End _____ Start _____ End _____
 Ambient Temp. _____ Wet Bulb Temp. _____ RH Percent _____
 Start _____ End _____

Source Layout Sketch

Draw North Arrow
 TN MN

X Observation Point

Observer's Position

Sun Location Line

140°

FEET

FEET

Side View

Stack With Plume

Sun

Wind

Longitude _____ Latitude _____ Declination _____

Additional Information _____

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

Sec Min	Time Zone				Start Time	End Time
	0	15	30	45	Comments	
1						
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30						

Observer's Name (Print) _____
 Observer's Signature _____ Date _____
 Organization _____
 Certified By _____ Date _____

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Form Number _____ Page 1 of 3
 Continued on VEO Form Number _____

Company Name Cemex Const. MAT
 Facility Name # 0210026
 Street Address 15555 TAMiami TrL. EAST
 City NAPLES State FL Zip _____

Process loading cement Unit # 5 Operating Mode 10 PSI
 Control Equipment baghouse Operating Mode _____

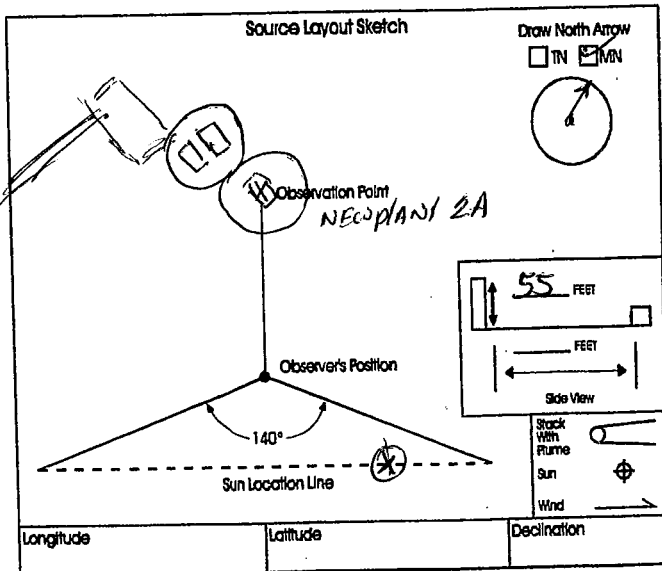
Describe Emission Point SHORTEST
(white silo (most eastern) (NEW PLANT))

Height of Emiss. Pt. Start ~55' End ~55' Height of Emiss. Pt. Rel. to Observer Start ~55' End ~55'
 Distance to Emiss. Pt. Start ~190' End ~190' Direction to Emiss. Pt. (Degrees) Start 329 End 329

Vertical Angle to Obs. Pt. Start ~13° End ~13° Direction to Obs. Pt. (Degrees) Start 329 End 329
 Distance and Direction to Observation Point from Emission Point Start N/A End N/A

Describe Emissions Start NONE End NONE
 Emission Color Start N/A End N/A Water Droplet Plume Attached Detached None

Describe Plume Background Start SKY End SKY
 Background Color Start BLUE End SAME Sky Conditions Start clear End clear
 Wind Speed Start 0-5mph End 0-5mph Wind Direction Start NNE End NNW
 Ambient Temp. Start 86°F End 86°F Wet Bulb Temp. _____ RH Percent 55%



Additional Information
25,666 cement loaded in 72 minutes =
21.3 tons/hr.

Sec	0	15	30	45	Comments
1	0	0	0	0	25.66 cement
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	
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	stop 11:42 small leak
29	0	0	0	0	
30	0	0	0	0	

Observer's Name (Print) Robert J. Stewart
 Observer's Signature Robert J. Stewart Date 5/9/13
 Organization FDEP
 Certified By E.T.A. Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name: **Cemex Const. MAT**
 Facility Name: **# 0210026**
 Street Address: _____
 City: _____ State: _____ Zip: _____

Process: _____ Unit #: **S** Operating Mode: _____
 Control Equipment: _____ Operating Mode: _____

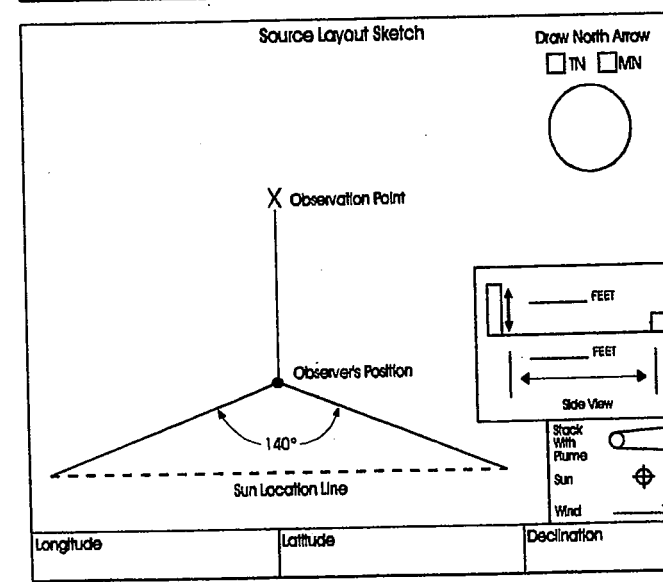
Describe Emission Point

 Height of Emiss. Pt. Start _____ End _____ Height of Emiss. Pt. Rel. to Observer Start _____ End _____
 Distance to Emiss. Pt. Start _____ End _____ Direction to Emiss. Pt. (Degrees) Start _____ End _____

Vertical Angle to Obs. Pt. Start _____ End _____ Direction to Obs. Pt. (Degrees) Start _____ End _____
 Distance and Direction to Observation Point from Emission Point Start _____ End _____

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

Describe Plume Background
 Start _____ End _____ Background Color _____ Sky Conditions Start _____ End _____
 Wind Speed Start _____ End _____ Wind Direction Start _____ End _____
 Ambient Temp. Start _____ End _____ Wet Bulb Temp. _____ RH Percent _____



Additional Information

Form Number _____ Page **2** of **3**
 Continued on VEO Form Number _____

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
1	0	0	0	0		11:45 AM	SMALL SILO 10 PSE?
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			STOP 11:45 to check baghouse ON EU
12	0	0	0	0			NO STOP RESTART
13	0	0	0	0			
14	0	0	0	0			
15	0	0	0	0			START AGAIN 11:49
16	0	0	0	0			
17	0	0	0	0			
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			stop 11:45
25	0	0	0	0			start 11:49
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			

Observer's Name (Print): **Robert J. Stewart**
 Observer's Signature: *Robert J. Stewart* Date: **5-9-13**
 Organization: **FOEP**
 Certified By: **E.T.A.** Date: **2/13/13**

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name
Cemex Const. MATERIALS

Facility Name
0210026

Street Address

City State Zip

Process
loading cement

Unit # Operating Mode
5

Control Equipment Operating Mode

Describe Emission Point
shortest white silo new plant baghouse

VENT

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start End Start End

Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start End Start End

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start End Start End

Distance and Direction to Observation Point from Emission Point
 Start End

Describe Emissions

Start End

Emission Color Water Droplet Plume
 Start End Attached Detached None

Describe Plume Background

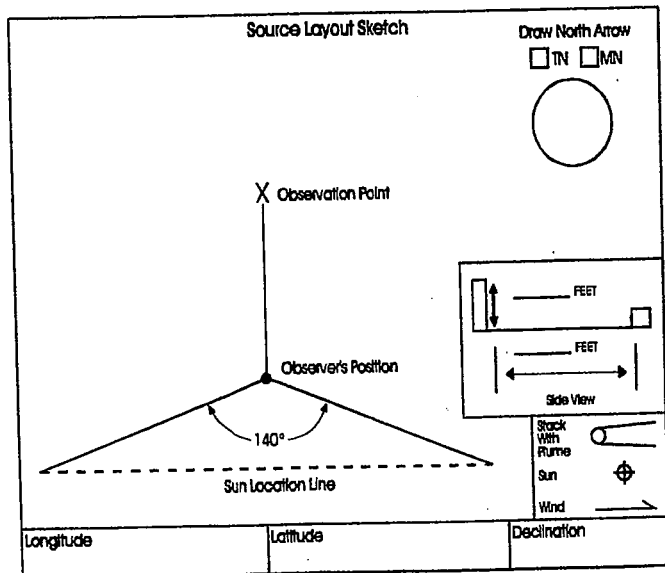
Start End

Background Color Sky Conditions
 Start End Start End

Wind Speed Wind Direction

Start End Start End

Ambient Temp. Wet Bulb Temp. RH Percent
 Start End



Additional Information

Form Number Page *3* Of *3*

Continued on VEO Form Number

Observation Date		Time Zone				Start Time	End Time
5/9/13		EST					12:32pm
Min	Sec	0	15	30	45	Comments	
1	0	0	0	0	0		
2	0	0	0	0	0		
3	0	0	0	0	0		
4	0	0	0	0	0		
5	0	0	0	0	0		
6	0	0	0	0	0		
7	0	0	0	0	0		
8	0	0	0	0	0		
9	0	0	0	0	0		
10	0	0	0	0	0		
11	0	0	0	0	0		
12	0	0	0	0	0		
13	0	0	0	0	0		
14	0	0	0	0	0		
15	0	0	0	0	0		
16	0	0	0	0	0		
17	0	0	0	0	0		12:32pm Stopped
18							pumping
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

19
3

Observer's Name (Print)
Robert J. Stewart

Observer's Signature
Robert J. Stewart

Organization
FDEP

Certified By
E.T.A.

Date
5/9/13

Date
2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name Cemex CONST MAT.
 Facility Name # 0210026
 Street Address 15555 TAMiami TRAIL EAST
 City NAPLES State FL Zip _____

Process loadout Unit # 6 Operating Mode NORMAL
 Control Equipment d.r.e. baghouse Operating Mode _____

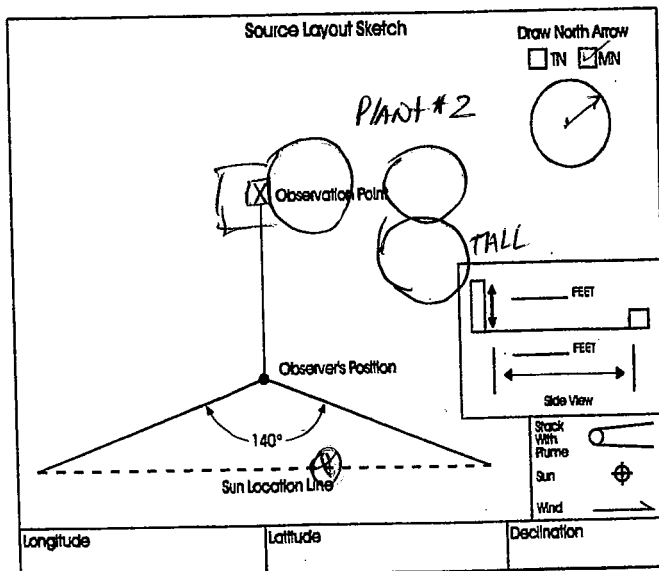
Describe Emission Point
d.e. collector on side of NW silo weigh hopper baghouse

Height of Emiss. Pt. Start 220' End 220' Height of Emiss. Pt. Rel. to Observer Start 220 End 220'
 Distance to Emiss. Pt. Start 175' End 175' Direction to Emiss. Pt. (Degrees) Start 310 End 310

Vertical Angle to Obs. Pt. Start 28° End 28° Direction to Obs. Pt. (Degrees) Start 310 End 310
 Distance and Direction to Observation Point from Emission Point Start N/A End N/A

Describe Emissions Start NONE End NONE
 Emission Color Start N/A End N/A Water Droplet Plume Attached Detached None

Describe Plume Background Start SKY End SKY
 Background Color Start BLUE End SAME Sky Conditions Start clear End clear
 Wind Speed Start 5-10mph End SAME Wind Direction Start NNE End ONE
 Ambient Temp. Start 72° End 72° F Wet Bulb Temp. _____ RH Percent 55%



Additional Information

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

Observation Date	Time Zone	Start Time	End Time	Comments	
<u>5/9/13</u>	<u>EST</u>	<u>8:56 AM</u>	<u>9:06 AM</u>		
Sec	0	15	30	45	Comments
1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
2	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
3	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>556 start 9:06 stop</u>
4	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
5	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
6	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
7	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
8	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
9	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
10	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
11	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
12					
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30					

Observer's Name (Print) Robert J. Stewart
 Observer's Signature Robert J. Stewart Date 5/9/13
 Organization FDEP
 Certified By E.T.A. Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name _____
 Facility Name _____
 Street Address _____
 City _____ State _____ Zip _____

Process	Unit #	Operating Mode
Control Equipment		Operating Mode

Describe Emission Point

Height of Emiss. Pt. Start _____ End _____	Height of Emiss. Pt. Rel. to Observer Start _____ End _____
Distance to Emiss. Pt. Start _____ End _____	Direction to Emiss. Pt. (Degrees) Start _____ End _____

Vertical Angle to Obs. Pt. Start _____ End _____	Direction to Obs. Pt. (Degrees) Start _____ End _____
Distance and Direction to Observation Point from Emission Point Start _____ End _____	

Describe Emissions

Start _____ End _____	Water Droplet Plume
Emission Color	Attached <input type="checkbox"/> Detached <input type="checkbox"/> None <input type="checkbox"/>

Describe Plume Background

Start _____ End _____	Sky Conditions
Background Color	Start _____ End _____
Wind Speed	Wind Direction
Start _____ End _____	Start _____ End _____
Ambient Temp.	Wet Bulb Temp. RH Percent
Start _____ End _____	

Source Layout Sketch

Draw North Arrow
 TN MN

FEET

FEET

Side View

Stack with Plume

Sun

Wind

Longitude	Latitude	Declination
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Additional Information

Form Number	Page
Continued on VEO Form Number	Of

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
1							
2							
3							
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28							
29							
30							

Observer's Name (Print)	Date
Observer's Signature	Date
Organization	
Certified By	Date

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

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

Company Name Cemex CONST.
 Facility Name # 0210026
 Street Address 15555 TAHAMI TRAIL EAST
 City NAPLES State FL Zip _____

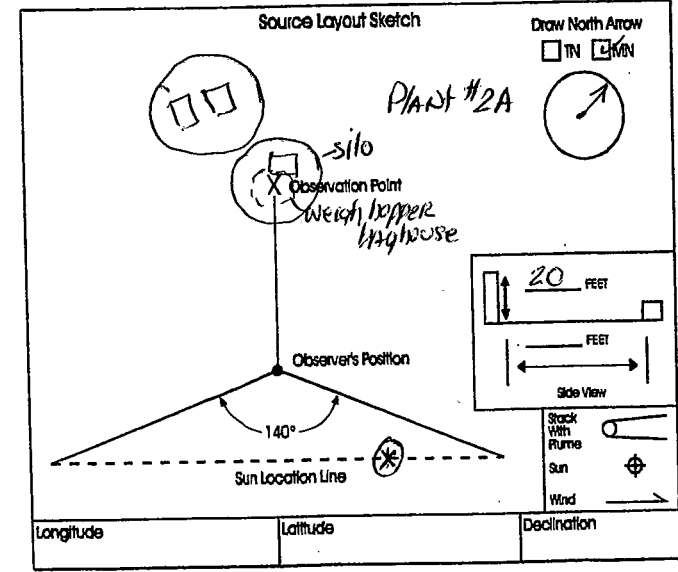
Process loadout ^{NEW} PLANT 2A Unit # 7 Operating Mode NORMAL
 Control Equipment d.c. (dust collector) Operating Mode _____

Describe Emission Point
SHALL d.c. on top of weigh scale
NEW PLANT 2A
 Height of Emis. Pt. Start ~20' End 220' Height of Emis. Pt. Rel. to Observer Start 220 End 220'
 Distance to Emis. Pt. Start ~190' End ~190' Direction to Emis. Pt. (Degrees) Start 328 End 328

Vertical Angle to Obs. Pt. Start 7° End 7° Direction to Obs. Pt. (Degrees) Start 328 End 328
 Distance and Direction to Observation Point from Emission Point Start N/A End N/A

Describe Emissions
 Start NONE End NONE
 Emission Color Start N/A End N/A Water Droplet Plume Attached Detached None

Describe Plume Background
 Start sky End SAME
 Background Color Start grey/white End _____ Sky Conditions Start clear End clear
 Wind Speed Start 0-5mph End SAME Wind Direction Start NNE End NNE
 Ambient Temp. Start 78°F End 78°F Wet Bulb Temp. _____ RH Percent 48%



Min	Time Zone				Start Time	End Time
	0	15	30	45		
	EST				10:17:14	10:18:4
1	0	0	0	0	10:29	Comments 10:35
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0	10:18	stop
5					10:29	2nd loadout
6	0	0	0	0		↓ start
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	-	-	-		Stop 10:35 AM.
13						
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Observer's Name (Print) Robert J. Stewart
 Observer's Signature Robert J. Stewart Date 5-9/13
 Organization FDEP
 Certified By E.T.A. Date 2/13/13

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name _____
 Facility Name _____
 Street Address _____
 City _____ State _____ Zip _____

Process _____ Unit # _____ Operating Mode _____
 Control Equipment _____ Operating Mode _____

Describe Emission Point _____

 Height of Emiss. Pt. _____ Height of Emiss. Pt. Rel. to Observer _____
 Start _____ End _____ Start _____ End _____
 Distance to Emiss. Pt. _____ Direction to Emiss. Pt. (Degrees) _____
 Start _____ End _____ Start _____ End _____

Vertical Angle to Obs. Pt. _____ Direction to Obs. Pt. (Degrees) _____
 Start _____ End _____ Start _____ End _____
 Distance and Direction to Observation Point from Emission Point _____
 Start _____ End _____

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

Describe Plume Background _____
 Start _____ End _____
 Background Color _____ Sky Conditions _____
 Start _____ End _____ Start _____ End _____
 Wind Speed _____ Wind Direction _____
 Start _____ End _____ Start _____ End _____
 Ambient Temp. _____ Wet Bulb Temp. _____ RH Percent _____
 Start _____ End _____

Source Layout Sketch

Draw North Arrow
 TN MN

X Observation Point

Observer's Position

Sun Location Line

140°

FEET

FEET

Side View

Stack With Plume

Sun

Wind

Longitude _____ Latitude _____ Declination _____

Additional Information _____

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

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
1							
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30							

Observer's Name (Print) _____
 Observer's Signature _____ Date _____
 Organization _____
 Certified By _____ Date _____