

# 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 READY MIX  
 Facility Name # 0710068  
 Street Address 2225 ROCKFILL Rd  
 City FT. MYERS State FL Zip 33916

Process loading Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_  
 Control Equipment Daghouse Operating Mode 12 PSI

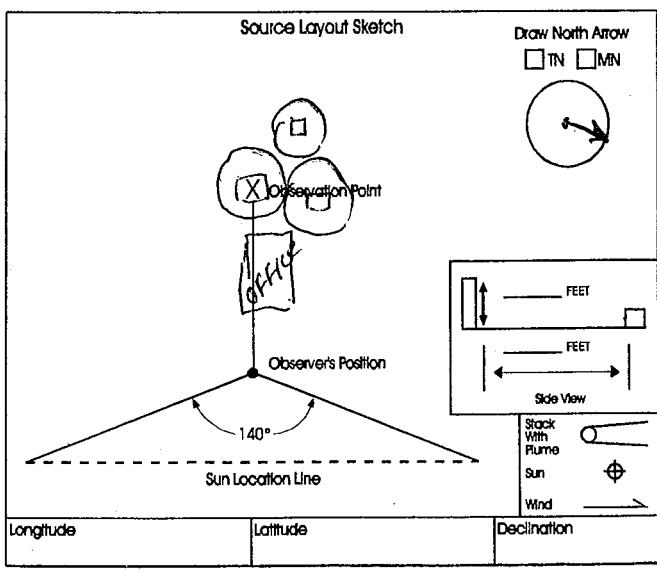
Describe Emission Point  
CEB Short white silo flyash

Height of Emis. Pt. Start 260' End 260' Height of Emis. Pt. Rel. to Observer Start 260' End 260'  
 Distance to Emis. Pt. Start 275' End 275' Direction to Emis. Pt. (Degrees) Start 258 End 258

Vertical Angle to Obs. Pt. Start 26° End 26° Direction to Obs. Pt. (Degrees) Start 258 End 258  
 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-clouds End SKY-clouds  
 Background Color Start BLUE End \_\_\_\_\_ Sky Conditions Start BROKEN End \_\_\_\_\_  
 Wind Speed Start 5-10mph End 0-5mph Wind Direction Start VAR End VAR  
 Ambient Temp. Start 70°F End 70°F Wet Bulb Temp. \_\_\_\_\_ RH Percent 85%



Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
Observation Date <u>2/21/13</u> Time Zone <u>EST</u> Start Time <u>8:23AM</u> End Time _____							
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			

Additional Information  
26.11 ton flyash loaded in 43MIN  
= 36.43 tons/hr RATE

Observer's Name (Print) Robert J. Stewart  
 Observer's Signature Robert Stewart Date 2/21/13  
 Organization FDEP  
 Certified By E.T.A. Date 2/13/13

16-2 cont

# 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 Ready Mix

Facility Name  
#0710068

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 \_\_\_\_\_

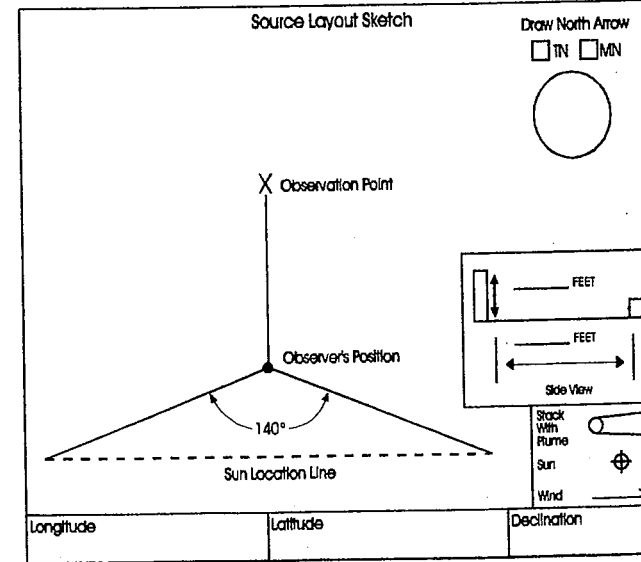
Start \_\_\_\_\_ End \_\_\_\_\_ Start \_\_\_\_\_ End \_\_\_\_\_

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

Start \_\_\_\_\_ End \_\_\_\_\_ Start \_\_\_\_\_ End \_\_\_\_\_

Ambient Temp. \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_

Start \_\_\_\_\_ End \_\_\_\_\_



Additional Information

\_\_\_\_\_

\_\_\_\_\_

Min	Sec				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	-dore pumping
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	-dore pumping
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Observer's Name (Print) Robert J. Stewart

Observer's Signature Robert J. Stewart Date 2/21/13

Organization EDEP

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 Ready Mix**  
 Facility Name **# 0710068**  
 Street Address **2225 ROCKFILL Rd.**  
 City **Ft. Myers** State **FL** Zip **33916**

Process **loading cement** Unit # \_\_\_\_\_ Operating Mode **NORMAL**  
 Control Equipment **baghouse** Operating Mode **100% ASE**

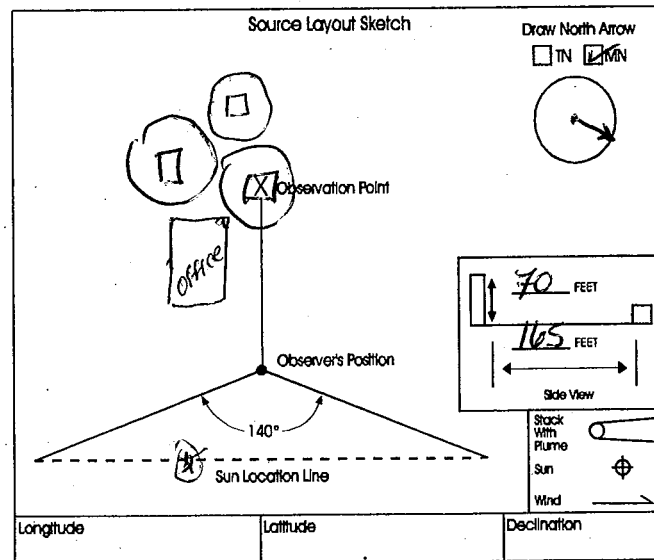
Describe Emission Point  
**fall white silo east baghouse**  
**cement**

Height of Emiss. Pt. Start **~70'** End **~70'** Height of Emiss. Pt. Rel. to Observer Start **256'** End **~70'**  
 Distance to Emiss. Pt. Start **~165'** End **~165'** Direction to Emiss. Pt. (Degrees) Start **256** End **256**

Vertical Angle to Obs. Pt. Start **~18°** End **~18°** Direction to Obs. Pt. (Degrees) Start **256** End **256**  
 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-clouds** End **SKY-clouds**  
 Background Color Start **BLUEwhite** End **SAME** Sky Conditions Start **BROKEN** End **BROKEN**  
 Wind Speed Start **5-10 mph** End **0-5 mph** Wind Direction Start **VAR** End **VAR**  
 Ambient Temp. Start **64°F** End **70°F** Wet Bulb Temp. \_\_\_\_\_ RH Percent **94**  
**85%**



Additional Information  
**85.83 tons cement loaded in 55 MIN**  
**88.17 tons/hr load RATE**

Form Number \_\_\_\_\_ Page **1** Of **2**  
 Continued on VEO Form Number \_\_\_\_\_

Min	Observation Date				Time Zone	Start Time	End Time	Comments
	Sec	0	15	30				
	2/21/13				EST	8:23AM	9:17AM	
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 **2/21/13**  
 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 READY MIX  
 Facility Name # 0719068  
 Street Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process	Unit #	Operating Mode
Control Equipment		Operating Mode

Describe Emission Point  
fall silo brown ring

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

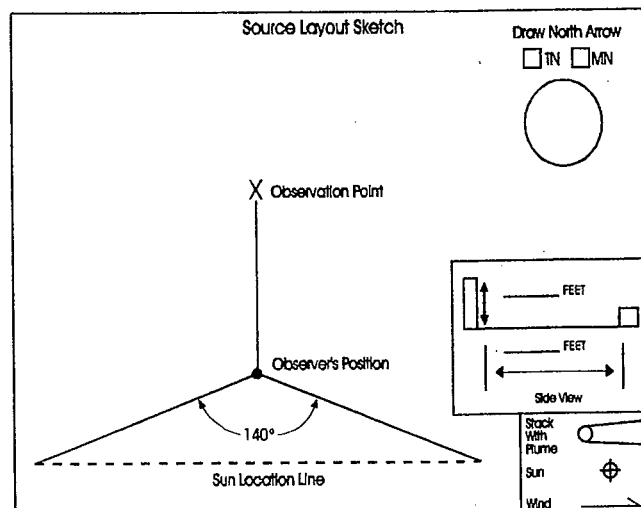
Vertical Angle to Obs. Pt.		Direction to Obs. Pt. (Degrees)	
Start	End	Start	End
Distance and Direction to Observation Point from Emission Point			
Start	End		

Describe Emissions

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

Describe Plume Background

Start	End	Sky Conditions	
Background Color			
Start	End	Start	End
Wind Speed		Wind Direction	
Start	End	Start	End
Ambient Temp.	<u>5-10 mph</u>	Wet Bulb Temp.	RH Percent
Start	End	<u>71°F</u>	



Longitude	Latitude	Declination
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Additional Information  
25.83 tons cement loaded

Sec Min	Time Zone				Start Time	End Time	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	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			<u>done pumping</u>
26							
27							
28							
29							
30							

Observer's Name (Print) <u>Robert J. Stewart</u>	Date <u>2/21/13</u>
Observer's Signature <u>Robert J. Stewart</u>	Date <u>2/21/13</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 9      203A      203B      Other: \_\_\_\_\_

Form Number                Page 1 Of 1  
 Continued on VEO Form Number                                 

Company Name Cemex Ready Mix  
 Facility Name # 0710068  
 Street Address 2225 ROCKFILL Rd.  
 City Ft. Myers State FL Zip 33916

Process batching cement Unit # \_\_\_\_\_ Operating Mode NORMAL  
 Control Equipment dust collector Operating Mode BATCHING

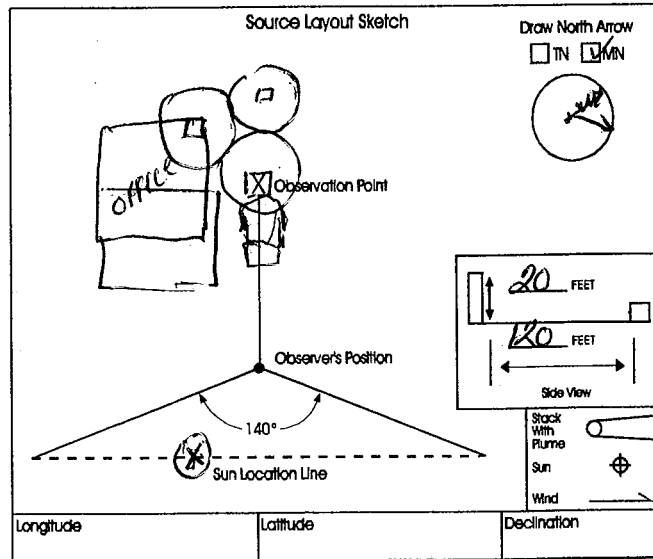
Describe Emission Point  
weigh hopper truck loading dust collector vent

Height of Emiss. Pt. Start ~20' End ~20' Height of Emiss. Pt. Rel. to Observer Start ~20' End ~20'  
 Distance to Emiss. Pt. Start ~120' End ~120' Direction to Emiss. Pt. (Degrees) Start 295 End 295

Vertical Angle to Obs. Pt. Start 18° End 18° Direction to Obs. Pt. (Degrees) Start 295 End 295  
 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-clouds End SKY-clouds  
 Background Color Start BLUE-white End SAME Sky Conditions Start BROKEN End BROKEN  
 Wind Speed Start 0-5mph End 0-5mph Wind Direction Start VAR End VAR  
 Ambient Temp. Start 70°F End 70°F Wet Bulb Temp. \_\_\_\_\_ RH Percent 85%



Min	Observation Date				Time Zone	Start Time	End Time	Comments
	Sec	0	15	30				
	2/21/13				EST	9:31 AM	9:38 AM	
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	-				truck (batching) done loading
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Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Declination \_\_\_\_\_

Additional Information \_\_\_\_\_

# 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

Observer's Position

Sun Location Line

140°

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			
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28							
29							
30							

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