

# 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  
Preferred Materials

Facility Name  
Bonita Spring Ready Mix Plant

Street Address  
25061 Old US 41

City  
Bonita Springs State FL Zip 34135

Process  
Cement Unloading Unit # 2 Operating Mode  
26,28 tons

Control Equipment  
Baghouse Operating Mode

Describe Emission Point  
Plant 1 (West) Southern 2 comp silo  
East baghouse

Height of Emiss. Pt.  
Start 70' End 70' Height of Emiss. Pt. Rel. to Observer  
Start 70' End 70'

Distance to Emiss. Pt.  
Start 400' End 400' Direction to Emiss. Pt. (Degrees)  
Start 293° End 293°

Vertical Angle to Obs. Pt.  
Start 12° End 12° Direction to Obs. Pt. (Degrees)  
Start 293° End 293°

Distance and Direction to Observation Point from Emission Point  
Start 0 End 0

Describe Emissions  
Start None End None

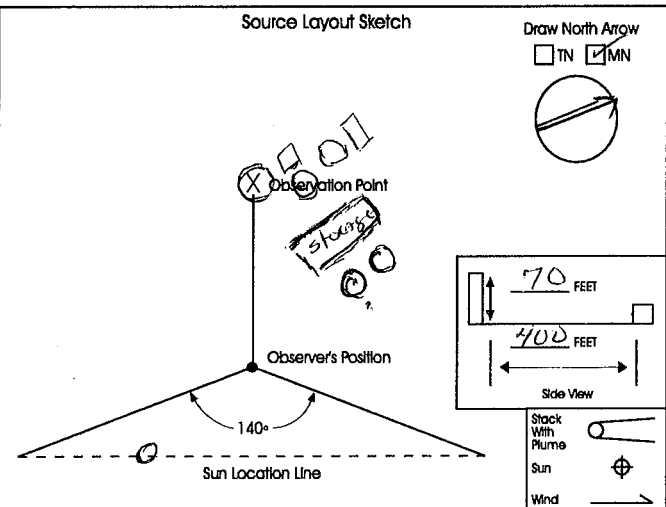
Emission Color  
Start N/A End N/A Water Droplet Plume  
Attached  Detached  None

Describe Plume Background  
Start Sky End Sky

Background Color  
Start Blue End Blue Sky Conditions  
Start Clear End Clear

Wind Speed  
Start 10 mph End 10 mph Wind Direction  
Start NE End NE

Ambient Temp.  
Start 64°F End \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent  
69%



Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Declination \_\_\_\_\_

Additional Information  
Load Rate = 27.19 tph

Observation Date		Time Zone				Start Time	End Time
11/9/11						9:42	10:39
Min	Sec	0	15	30	45	Comments	
1		○	○	○	○		
2		○	○	○	○		
3		○	○	○	○		
4		○	○	○	○		
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22		○	○	○	○		
23		○	○	○	○		
24		○	○	○	○		
25		○	○	○	○		
26		○	○	○	○		
27		○	○	○	○		
28		○	○	○	○		
29		○	○	○	○		
30		○	○	○	○		

Observer's Name (Print)  
Sherrill Colliver

Observer's Signature  
Sherrill Colliver Date 11/9/11

Organization  
FDFP

Certified By  
ETA Date 8/11

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name  
Preferred Materials  
 Facility Name  
Bonita Springs Ready Mix Plant  
 Street Address  
\_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process \_\_\_\_\_ Unit # 2 Operating Mode \_\_\_\_\_  
 Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

Describe Emission Point  
Plant 1 (West) Southern 2 comp silo  
East baghouse  
 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

Stack With Plume  
Sun  
Wind

Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Declination \_\_\_\_\_

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

Form Number \_\_\_\_\_ Page 2 of 2  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date		Time Zone				Start Time	End Time
<u>11/9/11</u>							
Min	Sec	0	15	30	45	Comments	
1							
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29							
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 2  
Continued on VEO Form Number \_\_\_\_\_

Company Name Preferred Materials  
 Facility Name Bonita Spring Ready Mix Plant  
 Street Address 25061 Old U.S. 41  
 City Bonita Springs State FL Zip 34135

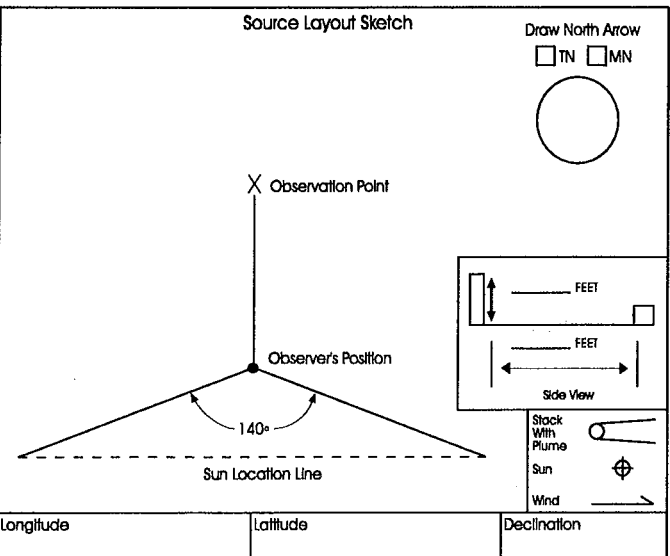
Process Cement Unloading Unit # 13 Operating Mode 27.67  
 Control Equipment Baghouse Operating Mode 12

Describe Emission Point Plant 1 (west) Center silo with single silo  
 Height of Emiss. Pt. Start 40' End 40' Height of Emiss. Pt. Rel. to Observer Start 40' End 40'  
 Distance to Emiss. Pt. Start 300ft End 300ft Direction to Emiss. Pt. (Degrees) Start 328 End 328

Vertical Angle to Obs. Pt. Start 17° End 17° Direction to Obs. Pt. (Degrees) Start 328 End 328  
 Distance and Direction to Observation Point from Emission Point Start 0 End 0

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 10 End 10 Wind Direction Start NE End NE  
 Ambient Temp. Start 64 End 64 Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_



Additional Information Load Rate - 38.5

Observation Date	Time Zone	Start Time	End Time				
<u>11/9/11</u>		<u>8:01 AM</u>	<u>8:43 AM</u>				
Sec	0	15	30	45	Comments		
Min							
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
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3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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 2 of 2  
 Continued on VEO Form Number \_\_\_\_\_

Company Name  
Preferred Materials

Facility Name  
Bonita Springs Ready Mix Plant

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process \_\_\_\_\_ Unit # 43 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 \_\_\_\_\_

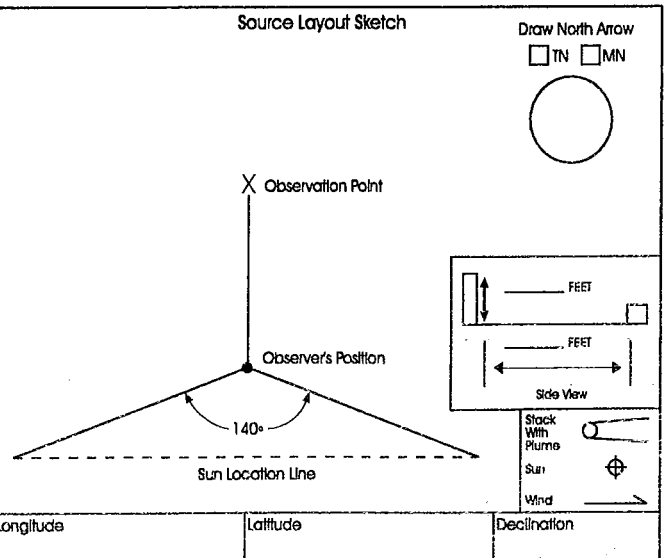
Start \_\_\_\_\_ End \_\_\_\_\_ Start \_\_\_\_\_ End \_\_\_\_\_

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

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

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

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



Additional Information

\_\_\_\_\_

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
4							Tanker Pressure
5							Check
6				<input checked="" type="checkbox"/>			
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
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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 1  
 Continued on VEO Form Number: [ ]

Company Name: Preferred Materials  
 Facility Name: Bonita Springs Ready Mix Plant  
 Street Address: 25061 Old US 41  
 City: Bonita Springs    State: FL    Zip: 34135

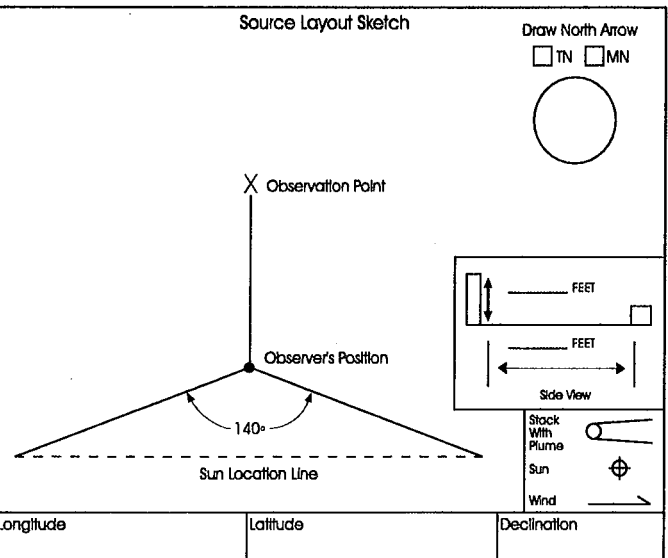
Process: Batch loading    Unit #: 5    Operating Mode: \_\_\_\_\_  
 Control Equipment: Baghouse    Operating Mode: \_\_\_\_\_

Describe Emission Point:  
Baghouse below the center silo of west plant  
 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



Observation Date		Time Zone			Start Time	End Time
11/9/11					8:20	8:34
Sec	0	15	30	45	Comments	
Min						
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
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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 2  
 Continued on VEO Form Number \_\_\_\_\_

Company Name  
Preferred Materials

Facility Name  
Bonita Springs Ready Mix Plant

Street Address  
25061 Old US 41

City  
Bonita Springs    State  
FL    Zip  
34135

Process  
Cement Unloading    Unit #  
6    Operating Mode  
26055 tons

Control Equipment  
Baghouse    Operating Mode

Describe Emission Point  
Plant 2 (East) Southern 2 comp. silo  
West baghouse

Height of Emiss. Pt.  
Start 70    End 70    Height of Emiss. Pt. Rel. to Observer  
Start 70    End 70

Direction to Emiss. Pt. (Degrees)  
Start 250    End 250    Start 294°    End 294°

Vertical Angle to Obs. Pt.  
Start 19°    End 19°    Direction to Obs. Pt. (Degrees)  
Start 294°    End 294°

Distance and Direction to Observation Point from Emission Point  
Start 0    End 0

Describe Emissions  
Start None    End None

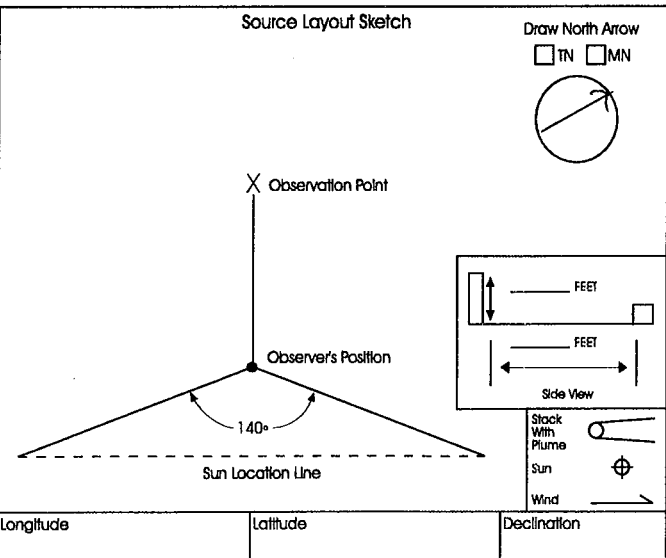
Emission Color  
Start N/A    End N/A    Water Droplet Plume  
Attached     Detached     None

Describe Plume Background  
Start Sky    End Sky

Background Color  
Start Blue    End Blue    Sky Conditions  
Start Clear    End Clear

Wind Speed  
Start 7mph    End 7mph    Wind Direction  
Start NE    End NE

Ambient Temp.  
Start 70°F    End 70°F    Wet Bulb Temp.  
65    RH Percent



Additional Information  
Load rate - 22.4 tph

Observation Date		Time Zone				Start Time	End Time
<u>11/9/11</u>						<u>9:37</u>	<u>10:47</u>
Min	Sec	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	0	0			
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10	0	0	0	0			
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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) \_\_\_\_\_

Observer's Signature \_\_\_\_\_    Date \_\_\_\_\_

Organization \_\_\_\_\_

Certified By \_\_\_\_\_    Date \_\_\_\_\_

# EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method # 203A 203B Other: \_\_\_\_\_

Form Number \_\_\_\_\_ Page 2 of 3  
 Continued on VEO Form Number \_\_\_\_\_

Company Name  
Preferred Materials  
 Facility Name  
Bonita Springs Ready Mix Plant  
 Street Address  
25061  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

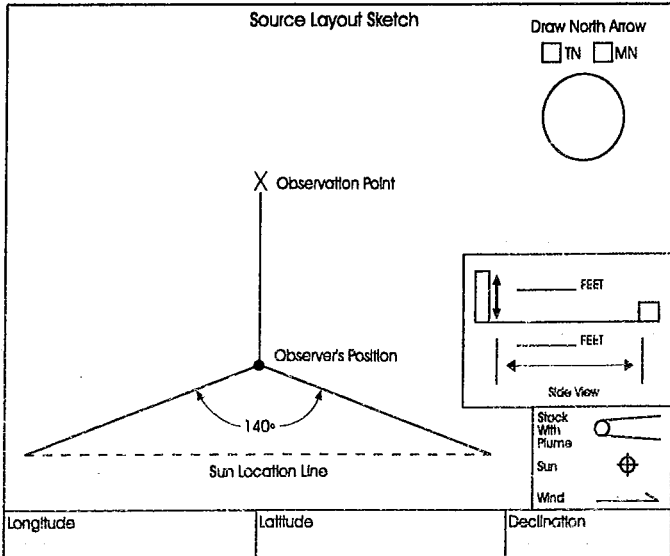
Process \_\_\_\_\_ Unit # 6 Operating Mode \_\_\_\_\_  
 Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

Describe Emission Point  
Plant 2 (East) Southern 2 comp silo  
West baghouse  
 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  
 \_\_\_\_\_  
 \_\_\_\_\_

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
1	○	○	○	○			
2	○	○	○	○			
3	○	○	○	○			
4	○	○	○	○			
5	○	○	○	○			
6	○	○	○	○			
7	○	○	○	○			
8	○	○	○	○			
9	○	○	○	○			
10	○	○	○	○			
11	○	○	○	○			
12	○	○	○	○			
13	○	○	○	○			
14	○	○	○	○			
15	○	○	○	○			
16	○	○	○	○			
17	○	○	○	○			
18	○	○	○	○			
19	○	○	○	○			
20	○	○	○	○			
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23	○	○	○	○			
24	○	○	○	○			
25	○	○	○	○			
26	○	○	○	○			
27	○	○	○	○			
28	○	○	○	○			
29	○	○	○	○			
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 3 of 3  
 Continued on VEO Form Number

Company Name  
Preferred Materials

Facility Name  
Santa Springs Beddy Mix Plant

Street Address

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process \_\_\_\_\_ Unit # 6 Operating Mode \_\_\_\_\_

Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

Describe Emission Point  
Plant 2 (East) Southern 2 comp silo  
West baghouse

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

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Observation Date		Time Zone				Start Time	End Time
Sec Min	0	15	30	45	Comments		
	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
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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 2  
 Continued on VEO Form Number

Company Name Preferred Materials  
 Facility Name Bonita Springs Ready Mix Plant  
 Street Address 25061 Old US 41  
 City Bonita Springs State FL Zip 34135

Process Cement Unloading Unit # 7 Operating Mode \_\_\_\_\_  
 Control Equipment Baghouse Operating Mode 12psi

Describe Emission Point  
Plant 2 (East) Southern 2 comp silo  
East Baghouse  
 Height of Emiss. Pt. Start 70' End 70' Height of Emiss. Pt. Rel. to Observer Start 70' End 70'  
 Distance to Emiss. Pt. Start 100' End 100' Direction to Emiss. Pt. (Degrees) Start 349° End 349°

Vertical Angle to Obs. Pt. Start 29° End 29° Direction to Obs. Pt. (Degrees) Start 349° End 349°  
 Distance and Direction to Observation Point from Emission Point  
 Start 0 End 0

Describe Emissions  
 Start Noise 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 white End white Sky Conditions/ Start Broken End Broken  
 Wind Speed Start 9 End 9 Wind Direction Start NE End NE  
 Ambient Temp. Start 79 End \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_

Source Layout Sketch

Draw North Arrow  
 TN  MN

Longitude \_\_\_\_\_ Latitude \_\_\_\_\_ Declination \_\_\_\_\_

Observation Date		Time Zone				Start Time	End Time
<u>11/9/11</u>						<u>11:35 am</u>	<u>12:36 pm</u>
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		
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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) \_\_\_\_\_  
 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 2 of 2  
 Continued on VEO Form Number                  

Company Name  
Preferred Materials

Facility Name  
South Spring Ready Mix Plant

Street Address

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process \_\_\_\_\_ Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_

Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

Describe Emission Point  
Plant 2 (East) Southern 2 comp silo  
East Baghouse

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 \_\_\_\_\_

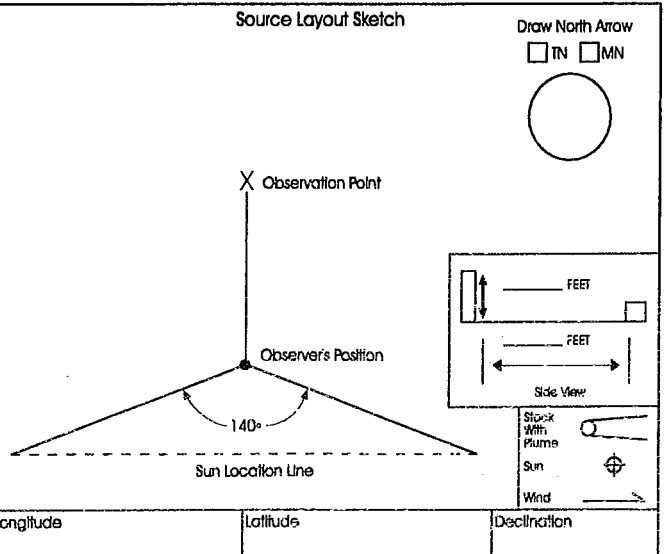
Start \_\_\_\_\_ End \_\_\_\_\_ Start \_\_\_\_\_ End \_\_\_\_\_

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

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

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

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



Additional Information

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Observation Date		Time Zone				Start Time	End Time	Comments
Sec	Min	0	15	30	45			
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29								
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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  
Preferred Materials

Facility Name  
Bonta Springs Ready Mix Plant

Street Address  
25061 Old US 41

City  
Bonta Springs    State  
FL    Zip  
34135

Process  
Flyash    Unit #  
8    Operating Mode  
27.36 tons

Control Equipment  
Baghouse    Operating Mode

Describe Emission Point  
Plant 2 (East) Northern 2 comp  
silos west baghouse

Height of Emiss. Pt.  
Start 70'    End 70'    Height of Emiss. Pt. Rel. to Observer  
Start 70'    End 70'

Distance to Emiss. Pt.  
Start 250    End 250    Start 295    End 295

Vertical Angle to Obs. Pt.  
Start 19°    End 19°    Direction to Obs. Pt. (Degrees)  
Start 295    End 295

Distance and Direction to Observation Point from Emission Point  
Start 0    End 0

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 10    End 10    Wind Direction  
Start NE    End NE

Ambient Temp.  
Start 70    End 70    Wet Bulb Temp.  
65%    RH Percent

Source Layout Sketch

Draw North Arrow  
 TN     MN

X Observation Point

Observer's Position

Sun Location Line

140°

FEET

FEET

Side View

Stock With Plume

Sun

Wind

Longitude    Latitude    Declination

Additional Information  
Load rate - 23.8 tph

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

Company Name  
*Preferred Material*

Facility Name  
*Bonita Springs Ready Mix Plant*

Street Address

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Process \_\_\_\_\_ Unit # *8* Operating Mode \_\_\_\_\_

Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

Describe Emission Point  
*Plant 2 (East) Northern 2 comp  
Silo, West baghouse*

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 \_\_\_\_\_

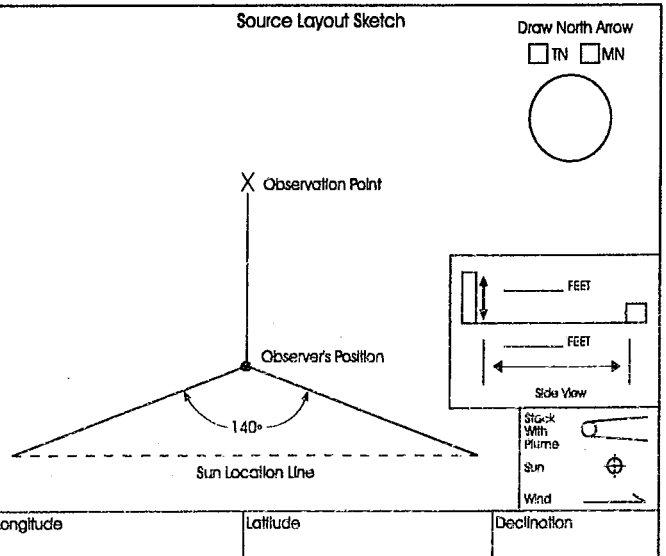
Start \_\_\_\_\_ End \_\_\_\_\_ Start \_\_\_\_\_ End \_\_\_\_\_

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

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

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

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



Additional Information

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Form Number \_\_\_\_\_ Page *2* of *3*

Continued on VEO Form Number \_\_\_\_\_

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

Observer's Name (Print) \_\_\_\_\_

Observer's Signature \_\_\_\_\_ Date \_\_\_\_\_

Organization \_\_\_\_\_

Certified By \_\_\_\_\_ Date \_\_\_\_\_

# EPA VISIBLE EMISSION OBSERVATION FORM 1

Form Number						Page	3	Of	3
Continued on VEO Form Number									

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

Company Name <i>Preferred Materials</i>		
Facility Name <i>Bonita Springs Ready Mix Plant</i>		
Street Address		
City	State	Zip

Process	Unit # <i>8</i>	Operating Mode
Control Equipment	Operating Mode	

Describe Emission Point <i>Plant 2 (East) Northern 2 comp silo West baghouse</i>			
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 <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		

Source Layout Sketch

Draw North Arrow  
 TN  MN

Stack With Plume

Sun

Wind

Longitude	Latitude	Declination
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Additional Information
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Observation Date	Time Zone	Start Time	End Time	Comments
			<i>10:19</i>	
Sec	0	15	30	45
Min				
1	○	○	○	○
2	○	○	○	○
3	○	○	○	○
4	○	○	○	○
5	○	○	○	○
6	○	○	○	○
7	○	○	○	○
8	○	○	○	○
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Observer's Name (Print)	
Observer's Signature	Date
Organization	
Certified By	Date