

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name **Florida Rock**
 Facility Name **Suniland Quarry**
 Street Address **SR 29**
 City **Immokalee** State **FL** Zip **34142**

Process **NMMP** Unit # **1** Operating Mode **162 tons/hr**
 Control Equipment **Wet process** Operating Mode **normal**

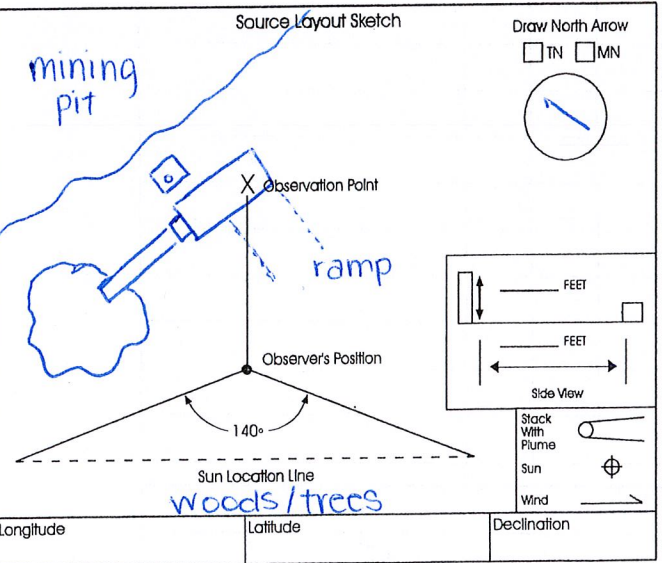
Describe Emission Point
crusher/screening

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start **~8'** End **same** Start **~3'** End **same**
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start **~40'** End **same** Start **125°** End **same**

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start **0°** End **same** Start **125°** End **same**
 Distance and Direction to Observation Point from Emission Point
 Start **same** End **same**

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

Describe Plume Background
 Start **cloudy skies** End **same**
 Background Color Sky Conditions
 Start **gray** End **same** Start **overcast** End **same**
 Wind Speed Wind Direction
 Start **~18 mph** End **same** Start **NE** End **same**
 Ambient Temp. Wet Bulb Temp. RH Percent
 Start **71°** End **same** **70%**



Additional Information

Form Number _____ Page **1** Of **1**
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Observation Date		Time Zone				Start Time	End Time
11/13/13		EST				13:55	14:28
Mn	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			
8	10	5	0	0			
9	5	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	10			
19	0	5	0	0			
20	0	0	0	0			
21	0	0	5	5			
22	0	0	0	0			
23	5	0	0	0			
24	0	5	0	5			
25	0	5	0	0			
26	0	0	0	0			
27	0	0	0	5			
28	0	0	0	0			
29	5	5	0	0			
30	0	0	0	5			

Observer's Name (Print) **Diane Loughlin**
 Observer's Signature **Diane Loughlin** Date **11/13/13**
 Organization **FDEP**
 Certified By **ETA** Date **8/14/13**

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name: **Florida Rock**
 Facility Name: **Sunniland Quarry**
 Street Address: **SR 29**
 City: **Immokalee** State: **FL** Zip: **34142**

Process: **NMMP** Unit #: **1** Operating Mode: **normal**
 Control Equipment: _____ Operating Mode: **normal**

Describe Emission Point
drop from 1st conveyor to 2nd

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer
 Start **~10'** End **same** Start **~5'** End **same**
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)
 Start **~35'** End **same** Start **120°** End **same**

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)
 Start **~3°** End _____ Start **120°** End **same**
 Distance and Direction to Observation Point from Emission Point
 Start **same** End **same**

Describe Emissions
 Start **no emissions** End **same**
 Emission Color Water Droplet Plume
 Start **n/a** End **n/a** Attached Detached None

Describe Plume Background
 Start **cloudy skies** End **same**
 Background Color Sky Conditions
 Start **gray** End **same** Start **overcast** End **same**
 Wind Speed Wind Direction
 Start **~18 mph** End **same** Start **NE** End **same**
 Ambient Temp. Wet Bulb Temp. RH Percent
 Start **71°** End **same** _____ **70%**

Source Layout Sketch

Draw North Arrow

TN MN

Observer's Position

Sun Location Line

woods/trees

140°

Stack With Plume

Sun

Wind

Longitude: _____ Latitude: _____ Declination: _____

Additional Information

Sec Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
	EST				13:55	14:28	
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			
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13	0	0	0	0			
14	0	0	0	0			
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18	0	0	0	0			
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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): **Diane Loughlin**
 Observer's Signature: *Diane Loughlin* Date: **11/13/13**
 Organization: **FDEP**
 Certified By: **ETA** Date: **8/14/13**

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name: **Florida Rock**
 Facility Name: **Sunniland Quarry**
 Street Address: **SR 29**
 City: **Immokalee** State: **FL** Zip: **34142**

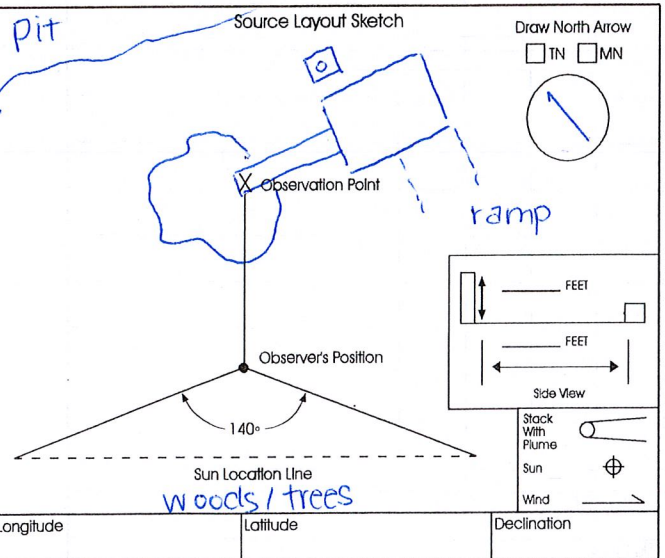
Process: **NMMP** Unit #: **1** Operating Mode: **normal**
 Control Equipment: **wet process** Operating Mode: **normal**

Describe Emission Point: **final drop from conveyor to pile**
 Height of Emiss. Pt. Start: **~20'** End: **same** Height of Emiss. Pt. Rel. to Observer Start: **~15'** End: **same**
 Distance to Emiss. Pt. Start: **~25'** End: **same** Direction to Emiss. Pt. (Degrees) Start: **90°** End: **same**

Vertical Angle to Obs. Pt. Start: **~90°** End: **same** Direction to Obs. Pt. (Degrees) Start: **90** End: **same**
 Distance and Direction to Observation Point from Emission Point Start: **same** End: **same**

Describe Emissions: Start: **no emissions** End: **same**
 Emission Color: Start: **n/a** End: **n/a** Water Droplet Plume Attached Detached None

Describe Plume Background: Start: **cloudy skies** End: **same**
 Background Color: Start: **gray** End: **same** Sky Conditions: Start: **overcast** End: **same**
 Wind Speed: Start: **~18 mph** End: **same** Wind Direction: Start: **NE** End: **same**
 Ambient Temp.: Start: **71°** End: **same** Wet Bulb Temp.: RH Percent: **70%**



Form Number _____ Page **1** of **1**
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Observation Date		Time Zone		Start Time	End Time	Comments	
11/13/13		EST		13:55	14:28		
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			
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15	0	0	0	0			
16	0	0	0	0			
17	0	0	0	0			
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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): **Diane Loughlin**
 Observer's Signature: *Diane Loughlin* Date: **11/13/13**
 Organization: **FDEP**
 Certified By: **ETA** Date: **8/14/13**

EPA VISIBLE EMISSION OBSERVATION FORM 1

Form Number	Page <u>1</u> Of <u>1</u>
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Method Used (Circle One)
 Method 9 203A 203B Other: _____

Company Name Florida Rock

Facility Name Sunniland Quarry

Street Address SR 29

City Immokalee State FL Zip 34142

Process <u>aux. diesel RICE</u>	Unit # <u>2</u>	Operating Mode <u>normal</u>
Control Equipment		Operating Mode <u>normal</u>

Describe Emission Point
small stack/pipe exiting from roof of shed covering generator

Height of Emiss. Pt. Start <u>~ 10'</u> End <u>same</u>	Height of Emiss. Pt. Rel. to Observer Start <u>~ 5'</u> End <u>same</u>
Distance to Emiss. Pt. Start <u>~ 35'</u> End <u>same</u>	Direction to Emiss. Pt. (Degrees) Start <u>120°</u> End <u>same</u>

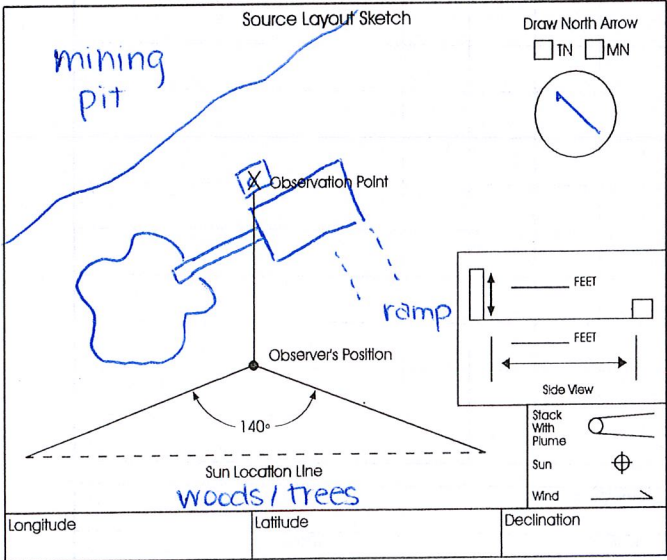
Vertical Angle to Obs. Pt. Start <u>~ 3°</u> End <u>same</u>	Direction to Obs. Pt. (Degrees) Start <u>120°</u> End <u>same</u>
Distance and Direction to Observation Point from Emission Point Start <u>same</u> End <u>120° same</u>	

Describe Emissions

Start <u>no emissions</u> End <u>same</u>	Water Droplet Plume
Emission Color Start <u>nil</u> End <u>nil</u>	Attached <input type="checkbox"/> Detached <input type="checkbox"/> None <input checked="" type="checkbox"/>

Describe Plume Background

Start <u>cloudy skies</u> End <u>same</u>	Sky Conditions
Background Color Start <u>gray</u> End <u>same</u>	Start <u>overcast</u> End <u>same</u>
Wind Speed Start <u>~ 18 mph</u> End <u>same</u>	Wind Direction Start <u>NE</u> End <u>same</u>
Ambient Temp. Start <u>71°</u> End <u>same</u>	Wet Bulb Temp. RH Percent <u>70%</u>



Longitude Latitude Declination

Additional Information

Sec Min	Observation Date <u>11/13/13</u>				Time Zone <u>EST</u>	Start Time <u>13:55</u>	End Time <u>14:28</u>	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				
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14	0	0	0	0				
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17	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) Diane Loughlin

Observer's Signature Diane Loughlin Date 11/13/13

Organization FDEP

Certified By ETA Date 8/14/13