

EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name
Youngquist Brothers Inc

Facility Name
University Lakes Mine

Street Address
15600 Alice Rd

City
Fort Myers State
FL Zip
33916

Process
Crusher Unit #
6 Operating Mode

Control Equipment Operating Mode

Describe Emission Point
Initial drop to conveyor

Height of Emiss. Pt.
Start **40** End **40** Height of Emiss. Pt. Rel. to Observer
Start **40** End **40**

Distance to Emiss. Pt.
Start **60'** End **60'** Direction to Emiss. Pt. (Degrees)
Start **25°** End **25°**

Vertical Angle to Obs. Pt.
Start **16** End **16** Direction to Obs. Pt. (Degrees)
Start **25°** End **25°**

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

Describe Emissions
Start **None** End **None**

Emission Color Water Droplet Plume

Start **N/A** End **N/A** Attached Detached None

Describe Plume Background
Start **Sky** End **Sky**

Background Color Sky Conditions
Start **White** End Start **Broken** End **Broken**

Wind Speed Wind Direction
Start **10** End Start **NE** End **NE**

Ambient Temp. Wet Bulb Temp. RH Percent
Start **75** End **75**

Source Layout Sketch

Draw North Arrow
 TN MN

X Observation Point

Observer's Position

Sun Location Line

140°

See Photo

Longitude Latitude Declination

Additional Information

Form Number Page **1** of **1**

Continued on VEO Form Number

Min	Time Zone				Start Time	End Time	Comments
	Sec	0	15	30			
					1:21 p.m	1:58 p.m	
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)
Sherrill Colliver

Observer's Signature
Sherrill Colliver Date
12/15/11

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: Youngquist Brothers Inc
 Facility Name: University Lakes Mine
 Street Address: 15600 Alice Rd
 City: Fort Myers State: FL Zip: 33916

Process: Crusher Belt Unit #: _____ Operating Mode: _____
 Control Equipment: _____ Operating Mode: _____

Describe Emission Point: Crusher to conveyer belt

Height of Emiss. Pt. Start: 4 End: 4 Height of Emiss. Pt. Rel. to Observer Start: 1 End: 1
 Distance to Emiss. Pt. Start: 60' End: 60' Direction to Emiss. Pt. (Degrees) Start: 9 End: 9

Vertical Angle to Obs. Pt. Start: 1 End: 1 Direction to Obs. Pt. (Degrees) Start: 9 End: 9
 Distance and Direction to Observation Point from Emission Point Start: 0 End: 0

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

Describe Plume Background Start: Crusher End: Crusher
 Background Color: Gray End: Gray Sky Conditions: Broken End: Broken
 Wind Speed: 10 End: 10 Wind Direction: NE End: NE
 Ambient Temp.: 75 End: 75 Wet Bulb Temp.: _____ RH Percent: _____

Source Layout Sketch

Draw North Arrow TN MN

Observer's Position

Observation Point

Sun Location Line

140°

FEET

FEET

Side View

Stack With Plume

Sun

Wind

See Photo

Longitude: _____ Latitude: _____ Declination: _____

Min	Time Zone				Comments
	Sec	0	15	30	
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): Sherrill Culliver
 Observer's Signature: Sherrill Culliver Date: 12/15/11
 Organization: _____
 Certified By: _____ Date: _____

EPA VISIBLE EMISSION OBSERVATION FORM 1

Form Number					Page	Of
Continued on VEO Form Number						

Method Used (Circle One) <u>Method 9</u>	203A	203B	Other: _____
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Company Name <u>Youngquist Brothers Inc</u>		
Facility Name <u>University Lakes Mine</u>		
Street Address <u>15600 Alicia Rd</u>		
City <u>Fort Myers</u>	State <u>FL</u>	Zip <u>33916</u>

Process <u>Transfer Point</u>	Unit #	Operating Mode
Control Equipment		Operating Mode

Describe Emission Point
Conveyor belt to belt

Height of Emiss. Pt. Start <u>20</u> End <u>20</u>	Height of Emiss. Pt. Rel. to Observer Start <u>20</u> End <u>20</u>
Distance to Emiss. Pt. Start <u>50</u> End <u>50</u>	Direction to Emiss. Pt. (Degrees) Start <u>341</u> End <u>341</u>

Vertical Angle to Obs. Pt. Start <u>3</u> End <u>3</u>	Direction to Obs. Pt. (Degrees) Start <u>341</u> End <u>341</u>
Distance and Direction to Observation Point from Emission Point Start <u>0</u> End <u>0</u>	

Describe Emissions		Water Droplet Plume	
Start <u>None</u>	End <u>None</u>	Attached <input type="checkbox"/>	Detached <input type="checkbox"/>
Emission Color		None <input checked="" type="checkbox"/>	
Start <u>N/A</u>	End <u>N/A</u>		

Describe Plume Background		Sky Conditions	
Start <u>Sky</u>	End <u>Sky</u>	Start <u>Broken</u>	End <u>Broken</u>
Background Color			
Start <u>White</u>	End <u>White</u>		
Wind Speed	Wind Direction		
Start <u>10</u>	End <u>10</u>	Start <u>NE</u>	End <u>NE</u>
Ambient Temp.	Wet Bulb Temp.		
Start <u>75</u>	End <u>75</u>		

Source Layout Sketch

Draw North Arrow

TN MN

Observer's Position

Observation Point

Sun Location Line

140°

See Photo

FEET

FEET

Side View

Stack With Plume

Sun

Wind

Longitude	Latitude	Declination
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Min	Sec				Comments
	0	15	30	45	
Observation Date: <u>12/15/11</u> Time Zone: _____ Start Time: <u>1:21 pm</u> End Time: <u>1:58 pm</u>					
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) <u>Sherrill Colliver</u>	Date <u>12/15/11</u>
Observer's Signature <u>Sherrill Colliver</u>	Organization
Certified By	Date