

**NONMETALLIC MINERAL PROCESSING PLANTS (CRUSHERS)  
AIR GENERAL PERMIT REGISTRATION FORM**

**RECEIVED**

JAN 20 2011

**Part II. Notification to Permitting Office**

(Detach and submit to appropriate permitting office; keep copy onsite)

**Bureau of Air Monitoring  
& Mobile Sources**

**Instructions:** To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

**7775667-001**

**Registration Type**

Check one:	<b>Note: These two portable crushers will be co-located at Facility # 7775547-002</b>
<input checked="" type="checkbox"/> <b>INITIAL REGISTRATION</b> - Notification of intent to:	
<input checked="" type="checkbox"/> Construct and operate a proposed new facility.	
<input type="checkbox"/> Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).	
<input type="checkbox"/> <b>RE-REGISTRATION</b> (for facilities currently using an air general permit) - Notification of intent to:	
<input type="checkbox"/> Continue operating the facility after expiration of the current term of air general permit use.	
<input type="checkbox"/> Continue operating the facility after a change of ownership.	
<input type="checkbox"/> Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.	

**Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only**

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): \_\_\_\_\_
- No air operation permits currently exist for this facility.

**General Facility Information**

<b>Facility Owner/Company Name</b> (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.) SDI Quarry, Inc.
<b>Site Name</b> (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.) Same as above.
<b>Facility Location</b> (Provide the physical location of the facility, not necessarily the mailing address.) Street Address: 16100 SW 365 Street City: Florida City County: Miami-Dade Zip Code: 33034
<b>Facility Start-Up Date</b> (Estimated start-up date of proposed new facility.)(N/A for existing facility) 1-30-2011

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
2011 JAN 19 AM 9:29  
FINANCE & ACCOUNTING REVENUE

**Owner/Authorized Representative**

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Frank Carroll, Vice President

Owner/Authorized Representative Mailing Address

Organization/Firm: SDI Quarry, Inc.  
Street Address: 9350 South Dixie Hwy., #1250  
City: Miami County: Miami-Dade Zip Code: 33156

Owner/Authorized Representative Telephone Numbers

Telephone: 305-670-9610 xt 101 Fax: 305-670-6787  
Cell phone (optional):

**Facility Contact (If different from Owner/Authorized Representative)**

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Same as above.

Facility Contact Mailing Address

Organization/Firm:  
Street Address:  
City: County: Zip Code:

Facility Contact Telephone Numbers

Telephone: Fax:  
Cell phone (optional):

**Owner/Authorized Representative Statement**

This statement must be signed and dated by the person named above as owner or authorized representative

*I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.*

*I will promptly notify the Department of any changes to the information contained in this registration form.*

  
Signature

12-21-10  
Date

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ENVIRONMENTAL PROTECTION  
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**Type of Facility**

Check one:  
 Stationary Facility                       Relocatable Facility

**Type(s) of Precautions Used to Prevent Unconfined Emissions**

Check all that apply for the management of roads, parking areas, stock piles and yards:

<input type="checkbox"/> Maintain Roads/Parking/Yards	<input checked="" type="checkbox"/> Use Water Application	<input type="checkbox"/> Use Dust Suppressant
<input type="checkbox"/> Remove Particulate Matter	<input type="checkbox"/> Reduce Stock Pile Height	<input type="checkbox"/> Install Wind Breaks

Check the location of spray bars at the nonmetallic mineral processing plant:

<input type="checkbox"/> Feeders	<input type="checkbox"/> Entrance to "Crusher"	<input type="checkbox"/> Exit of "Crusher"
<input type="checkbox"/> Classifier Screens	<input type="checkbox"/> Conveyor Drop Points	See statement below

**Description of Reasonable Precautions**

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

**Primary aggregate materials fed into both Metso LT-1110 & LT-1213 portable crushers are mined from a surface mine at ground water level and therefore is very high in moisture content. This high level of moisture content greatly reduces the possibility of visible emissions during the portable crushing process.**

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**Description of Facility**

Below, or as an attachment to this form, provide a description of the nonmetallic mineral processing operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

See Attachment A

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NEW YORK STATE DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

## Attachment A

**One each Metso LT-1110 portable crusher, with diesel fuel consumption rate of approximately 7.6 gals/ph. See Attachment (B) for further information. Note: finished crushed aggregate output product approximately 3.5 " in diameter will be feed into exiting aggregate processing plant for further processing of various aggregate products.**

**One each Metso LT-1213 portable crusher, with diesel fuel consumption rate of approximately 15.1 gals/ph. See Attachment (C) for further information. Note: finished crushed aggregate output product approximately 3.5" in diameter will be feed into existing aggregate processing plant for further processing of various aggregate products.**

### **Diesel Engine Data- Model LT-1110 Portable Crusher**

Make: Caterpillar  
Model: C-9  
Rated Horse Power: 350  
Engine Serial No: CLJ06672  
Arrangement No. 196-8493

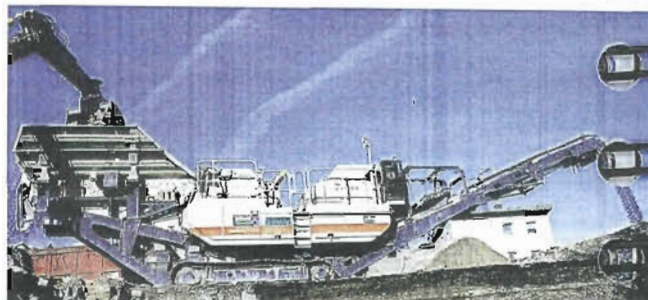
### **Diesel Engine Data- Model LT-1213 Portable Crusher**

Make: Caterpillar  
Model: C-13  
Rated Horse Power: 415  
Engine Serial No: LGK02878  
Arrangement No. 241-3804

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ENVIRONMENTAL PROTECTION  
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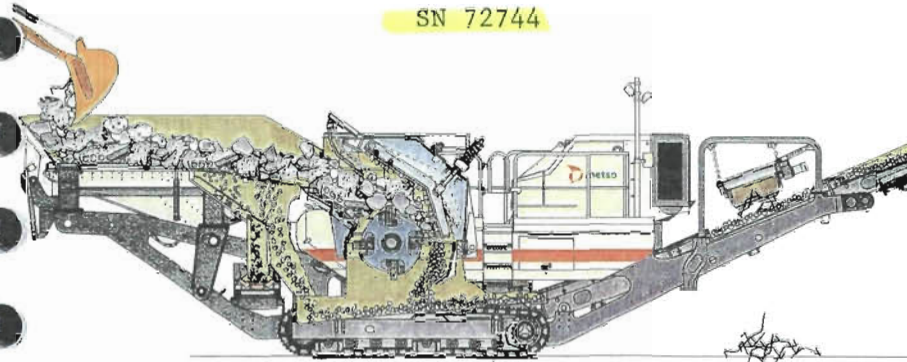
# Lokotrack



## Lokotrack LT1110

- built around powerful NP1110 crusher
- intelligent productivity with IC500 controller
- low operating noise levels with modular design
- wide range of options available
- compact transport dimensions

SN 72744



### Unit components

#### Crusher

- Nordberg NP1110M impact crusher
- feed opening 1040 x 800 mm (41 x 31 in)
  - feed opening, mobile application 1040 x 650 mm (41 x 24 in)
  - hydraulic drive

#### Feeder

- Feed hopper
- 5m<sup>3</sup>: width 2600 mm (8 ft 6 in)
  - 8m<sup>3</sup>: width 3400 mm (11 ft 2 in)

Nordberg TK9-42-2V vibrating feeder

- length 4200 mm (13 ft 8 in)
- width 930 mm (3 ft 1 in)
- hydraulic folding of hopper walls as standard

**Max capacity up to 300 tph (330 stph)**

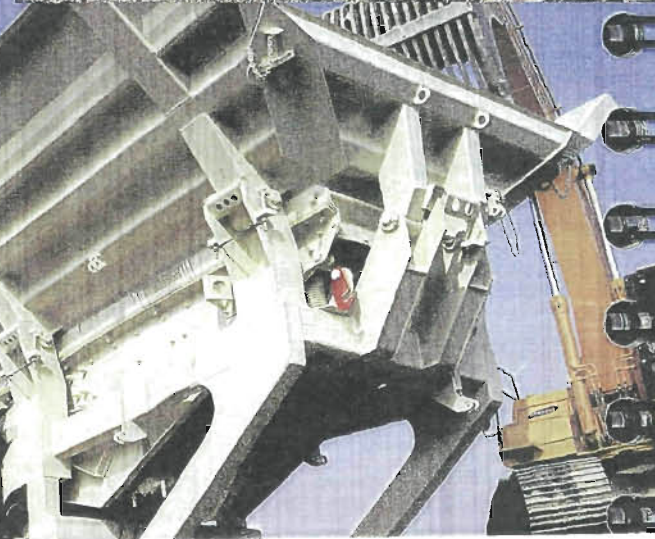
### Dimensions

(Transport, standard unit)



ATTACHMENT C

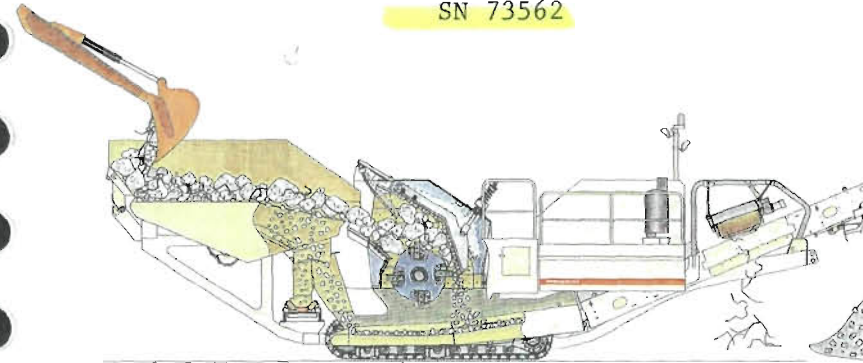
# Lokotrack



## Lokotrack LT1213

- special impact crusher for mobiles
- top cubicity with impact method
- one switch to start the whole process
- intelligent PLC control as standard
- world-wide Metso Minerals after-sales service

SN 73562



### Unit components

#### Crusher

- Nordberg NP1213 impact crusher
- feed opening 1320 x 900 mm (52 x 35 in)
  - crusher speed 450-600 rpm
  - hydraulic drive

#### Feeder

- Feed hopper
- width 2600 mm (8 ft 6 in)
- Nordberg TK11-42-2V feeder
- length 4150 mm (13 ft 8 in)
  - width 1100 mm (3 ft 7 in)

**Max capacity up to** 300 tph (330 stph)

### Dimensions

# My Home



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ACTIVE TOOL: SELECT



MIA

## Show Me:

Property Information

## Search By:

Select Item

[Text only](#)

[Property Appraiser Tax Estimator](#)

[Property Appraiser Tax Comparison](#)

### Summary Details:

Folio No.:	16-7932-001-0040
Property:	
Mailing Address:	F R S HOLDINGS INC 9350 S DIXIE HWY STE 1250 MIAMI FL 33156-2951

### Property Information:

Primary Zone:	8900 UNZONED
CLUC:	0081 VACANT LAND
Beds/Baths:	0/0
Floors:	0
Living Units:	0
Adj Sq Footage:	0
Lot Size:	154.61 ACRES
Year Built:	0
Legal Description:	32 57 39 154.61 AC MIAMI LAND & DEV CO PB 5-10 ALL OF BLK 4 LESS S30FT & E30FT N30FT & PORT OF SW 162 AVE LYG W & ADJ CLOSED PER R-328-01 OR 10565-1661 0379 4

### Assessment Information:

Year:	2010	2009
Land Value:	\$2,468,200	\$2,529,820
Building Value:	\$0	\$0
Market Value:	\$2,468,200	\$2,529,820
Assessed Value:	\$945,700	\$1,007,320

### Classification/Benefit Information:

Year:	2010	2009
Agricultural:	\$1,522,500	\$1,522,500

### Taxable Value Information:

Year:	2010	2009
Taxing Authority:	Applied Exemption/ Taxable Value:	Applied Exemption/ Taxable Value:
		\$0/



Aerial Photography - 2009

0 720 ft

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If you experience technical difficulties with the Property Information application, or wish to send us your comments, questions or suggestions please email us at [Webmaster](#).

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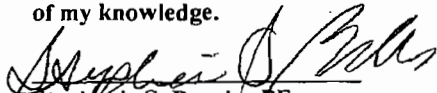
**VISUAL EMISSIONS  
TEST REPORT**

for

**SDI Quarries  
Atlantic Civil**

**Florida City, FL**

Information contained herein  
is true and correct to the best  
of my knowledge.

  
Stephanie S. Brooks, PE

**SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL**

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- 4.0 Computer Input Sheets

**SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL**

## **1.0 SUMMARY**

Brooks & Associates conducted a visible emissions test on 28 December 2010 at the SDI Quarry. All emission points passed with an average opacity of 0%.

The tests were conducted in strict accordance with the Environmental Protection Agency's Method 9 as described in 40CFR60 Appendix A, July 1999 edition and 62-297 FAC..

Stephanie Brooks was the Certified Emissions Evaluator. Stephanie Brooks was responsible for the overall testing program and preparation of this report. Stephanie Brooks coordinated the test with Metro-Dade County Environmental Resources Management.



**SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL**

## **2.0 DESCRIPTION OF SAMPLING LOCATIONS**

Atlantic Civil/ SDI Quarries operates a quarry facility in South Dade County. Testing was conducted on two portable crushers as identified in the field data. They were both METSO Portble Crushers; one a Model LT1110 SN72744 and the other a Model LT1213 SN73562.

The observer followed the directions in EPA Method 9 and positioned herself with the sun behind her.

**SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL**

### **3.0 VISIBLE EMISSIONS OBSERVATIONS FORMS- FIELD DATA**





**EPA  
VISIBLE EMISSION OBSERVATION FORM 1**

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

Company Name  
**SPI QUARRIES**

Facility Name  
 Street Address  
**300 167th AVE / 16100 SW 365th St**  
 City  
**Florida City**      State  
**FL**      Zip

Process  
**CRUSHER**      Unit #      Operating Mode  
 Control Equipment  
**SATURATED MATERIAL**      Operating Mode

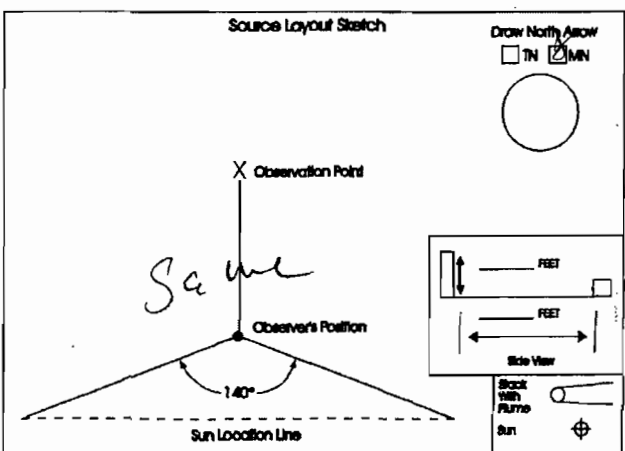
Describe Emission Type  
**SAME**

Height of Emis. Pt. (ft.)  
 Start **~12.4**      End **~13**      Height of Emis. Pt. Rel. to Observer  
 Start **~8.4**      End **~8.4**  
 Distance to Emis. Pt. (ft.)  
 Start **~120'**      End      Direction to Emis. Pt. (Degrees)  
 Start **328**      End **328**

Vertical Angle to Obs. Pt.  
 Start **~40**      End **40**      Direction to Obs. Pt. (Degrees)  
 Start      End      Distance and Direction to Observation Point from Emission Point  
 Start **DIRECTLY ABOVE**

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 **CLR**      End **CLR**  
 Wind Direction  
 Start **NNW**      End **NNW**  
 Ambient Temp.      Wet Bulb Temp.      RH Percent  
 Start **48°**      End **48°**      Start **42°**      End **57%**



Longitude      Latitude      Declination

Additional Information

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

Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
	EST				1008	1037	59
1	0	15	30	45			
2	0	15	30	45			
3	0	15	30	45			
4	0	15	30	45			
5	0	15	30	45			
6	0	15	30	45			
7	0	15	30	45			
8	0	15	30	45			
9	0	15	30	45			
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25	0	15	30	45			
26	0	15	30	45			
27	0	15	30	45			
28	0	15	30	45			
29	0	15	30	45			
30	0	15	30	45			

Observer's Name (Print)  
**Stephanie S. Brodeur**  
 Observer's Signature  
**Stephanie S. Brodeur**      Date  
**12/28/10**  
 Organization  
**Brooks Assoc. Inc.**  
 Certified By  
**Whitlow**      Date  
**7/16/10**

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name: **SDI QUARRIES / ATLANTIC CIVIL**  
 Facility Name: \_\_\_\_\_  
 Street Address: **SW 167th AVE / 14100 SW 35th ST**  
 City: **FLORIDA CITY** State: **FL** Zip: \_\_\_\_\_

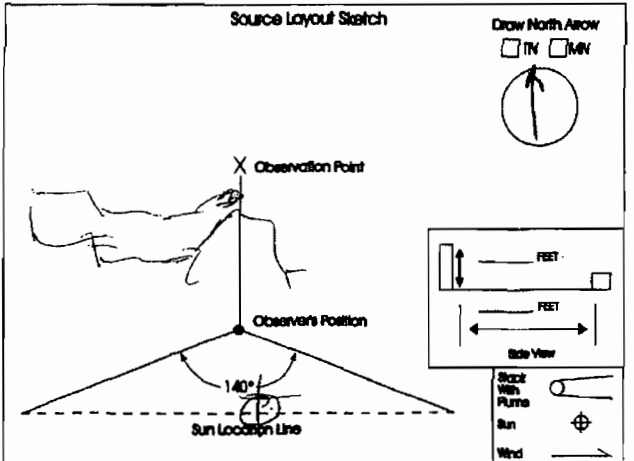
Process: **CRUSHER CONVEYOR** Unit #: \_\_\_\_\_ Operating Mode: **NORMAL**  
 Control Equipment: **WET MATERIAL** Operating Mode: **11**

Describe Emission Point:  
**\* MBT50 LT 1110 PORTABLE CRUSHER SN 7274 CONVEYOR**  
 Height of Emis. Pt. Start: **22** End: **42** Height of Emis. Pt. Rel. to Observer Start: **28** End: \_\_\_\_\_  
 Distance to Emis. Pt. Start: **220** End: \_\_\_\_\_ Direction to Emis. Pt. (Degrees) Start: **0** End: \_\_\_\_\_

Vertical Angle to Obs. Pt. Start: **40** End: \_\_\_\_\_ Direction to Obs. Pt. (Degrees) Start: **0** End: \_\_\_\_\_  
 Distance and Direction to Observation Point from Emission Point  
 Start: **END OF CONVEYOR BELT** End: \_\_\_\_\_

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

Describe Plume Background  
 Start: **SKY** End: \_\_\_\_\_ Sky Conditions: **CLR**  
 Background Color: **BLU** End: \_\_\_\_\_ Wind Direction: **NNW** End: **NNW**  
 Wind Speed: **10-15** End: **8-10** Start: **NNW** End: **NNW**  
 Ambient Temp.: **45** End: **48** Wet Bulb Temp.: **39** RH Percent: **57**



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

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

Form Number: \_\_\_\_\_ Page: **1** of **2**  
 Continued on VEO Form Number: \_\_\_\_\_

Observation Date	Time Zone	Start Time	End Time	Comments		
12/28/10	EST	9:38	10:07:59			
Min	Sec	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		
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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): **Stephanie Brooks**  
 Observer's Signature: *Stephanie Brooks* Date: **12/28/10**  
 Organization: **Brooks Associates**  
 Certified By: **Whitlow** Date: **7/14/10**

# 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: SPI QUARRIES  
 Facility Name: \_\_\_\_\_  
 Street Address: SW 167TH AVE / 1610 SW 365 ST  
 City: FLORIDA CITY State: FL Zip: \_\_\_\_\_

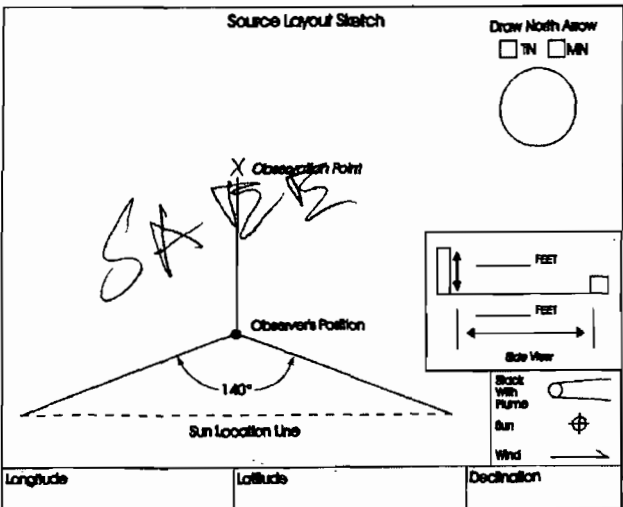
Process: CRUSHER CONVEYOR Unit # 1 Operating Mode: NORMAL  
 Control Equipment: WET MATERIAL Operating Mode: 11

Describe Emission Point: CONVEYOR DROP  
\* MESCO LT 1110 PORT. CRUSHER SN 72704  
 Height of Emiss. Pt. Start: 12' End: 12' Height of Emiss. Pt. Rel. to Observer Start: 28' End: 28'  
 Distance to Emiss. Pt. Start: 120' End: 120' Direction to Emiss. Pt. (Degrees) Start: 338 End: 338

Vertical Angle to Obs. Pt. Start: 40 End: 40 Direction to Obs. Pt. (Degrees) Start: 338 End: 338  
 Distance and Direction to Observation Point from Emission Point Start: CONVEYOR DROP FT

Describe Emissions: Start: NONE End: NONE  
 Emission Color: Start: NONE End: NONE Attached  Detached  None

Describe Plume Background: Start: SKY End: SKY  
 Background Color: Start: BLUE End: BLUE Sky Condition: Start: CLR End: CLR  
 Wind Speed: Start: 10-15 End: 8-10 Wind Direction: Start: NNW End: NNW  
 Ambient Temp: Start: 42 End: 48 Wet Bulb Temp: 42 RH Percent: 57%



Sec Min	Observation Date: <u>12/28/10</u>				Time Zone: <u>EST</u>	Start Time: <u>1008</u>	End Time: <u>1037</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				
9	0	0	0	0				
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15	0	0	0	0				
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22	0	0	0	0				
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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: \_\_\_\_\_

Observer's Name (Print): Stephanie S. Brooks  
 Observer's Signature: [Signature] Date: 12/28/10  
 Organization: Brooks & Associates  
 Certified By: Whitlow Date: 2/16/10



# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name  
**SPR QUARRIES / ATLANTIC CIVIL**

Facility Name  
 Street Address  
**SW 167TH AVE / 16100 SW 365 ST**

City  
**FLORIDA CITY**    State **FL**    Zip \_\_\_\_\_

Process  
**CRUSHER CONVEYOR**    Unit # **54**    Operating Mode  
**NORMAL**

Control Equipment  
**WEB MATERIAL**    Operating Mode **1, 1**

Describe Emission Point  
**METSO LT 1213 SN 73522**  
**CRUSHER/CONVEYOR PROP PT**

Height of Emis. Pt.  
 Start **42'**    End **42'**    Height of Emis. Pt. Rel. to Observer  
 Start **~8'**    End **~8'**

Distance to Emis. Pt.  
 Start **~35'**    End **~35'**    Direction to Emis. Pt. (Degrees)  
 Start **~50**    End **~50**

Vertical Angle to Obs. Pt.  
 Start **~90**    End **~90**    Direction to Obs. Pt. (Degrees)  
 Start **~50**    End **~50**

Distance and Direction to Observation Point from Emission Point  
 Start **PROP PT**    End \_\_\_\_\_

Describe Emissions  
 Start **NONE**    End **NONE**

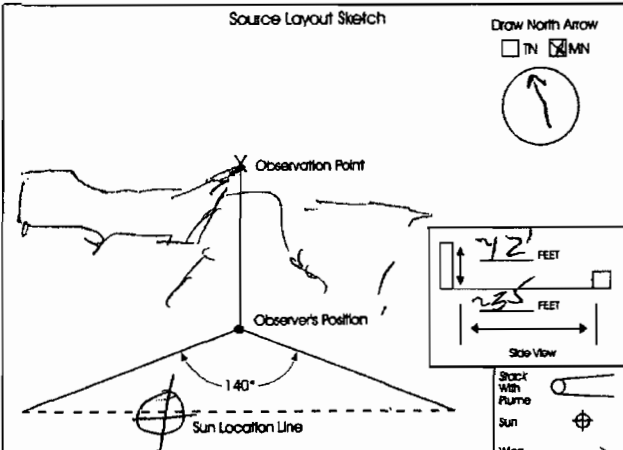
Emission Color  
 Start **N/A**    End \_\_\_\_\_    Water Droplet Plume  
 Attached     Detached     None

Describe Plume Background  
 Start **SKY**    End **SKY**

Background Color  
 Start **BLUR**    End **BLUR**    Sky Conditions  
 Start **CLR**    End **CLR**

Wind Speed  
 Start **~5-10**    End **~5-10**    Wind Direction  
 Start **VAR**    End **VAR**

Ambient Temp.  
 Start **40**    End **00**    Wet Bulb Temp.  
 Start **30**    End **40%**    RH Percent



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

Additional Information

Form Number \_\_\_\_\_    Page **1** of **2**

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

Min	Observation Date <b>12/28/10</b>				Time Zone <b>EDT</b>	Start Time <b>1258</b>	End Time <b>11859</b>	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)  
**STEPHANIE S BROOKS**

Observer's Signature  
*Stephanie Brooks*    Date **12/28/10**

Organization  
**BROOKS & ASSOCIATES**

Certified By  
**WHELOW**    Date **12/16/10**

# EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method 203A    2038    Other: \_\_\_\_\_

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

Company Name  
**SDF QUARRIES / ATLANTIC CIVIL**  
 Facility Name \_\_\_\_\_  
 Street Address  
**SW 167th AVE / 16100 SW 36557**  
 City State Zip  
**FLORIDA CITY FL 33137**

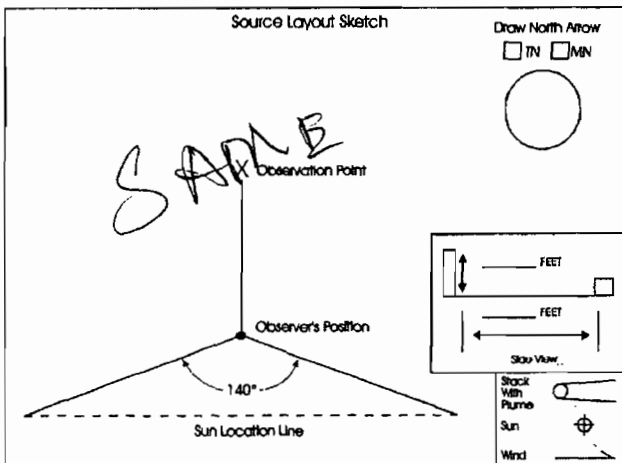
Process Unit & Operating Mode  
**CRUSHER CONVEYOR & NORMAL**  
 Control Equipment Operating Mode  
**WET MATERIAL NORMAL**

Describe Emission Point  
**MEISSO LT 1213 SN 73562**  
**CRUSHER / CONVEYOR DROP RT**  
 Height of Emiss. Pt. Rel. to Observer  
 Start **~12'** End **~12'** Start **~8'** End **~8'**  
 Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)  
 Start **~35'** End **~35'** Start \_\_\_\_\_ End \_\_\_\_\_

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

Describe Emissions  
 Start **NONE** End \_\_\_\_\_  
 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 **BLUE** End **BLUE** Start **CLR** End **CLR**  
 Wind Speed Wind Direction  
 Start **0-5** End **0-5** Start **VAR** End **VAR**  
 Ambient Temp. Wet Bulb Temp. RH Percent  
 Start **60** End **61** Start **51.0** End **47.0**



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

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

Min	Time Zone				Start Time	End Time	Comments
	0	15	30	45			
1	0	0	0	0	7:19	14945	
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)  
**STEPHANIE S BROOKS**  
 Observer's Signature  
*Stephanie S Brooks* Date **12/28/10**  
 Organization  
**BROOKS & ASSOCIATES**  
 Certified By  
**WHITLOW** Date **7/16/10**

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name: **SDI QUARRIES / ATLANTIC CIVIL**  
 Facility Name: \_\_\_\_\_  
 Street Address: **3W 167TH AVE / 16100 SW 36th ST**  
 City: **FLORIDA CITY** State: **FL** Zip: \_\_\_\_\_

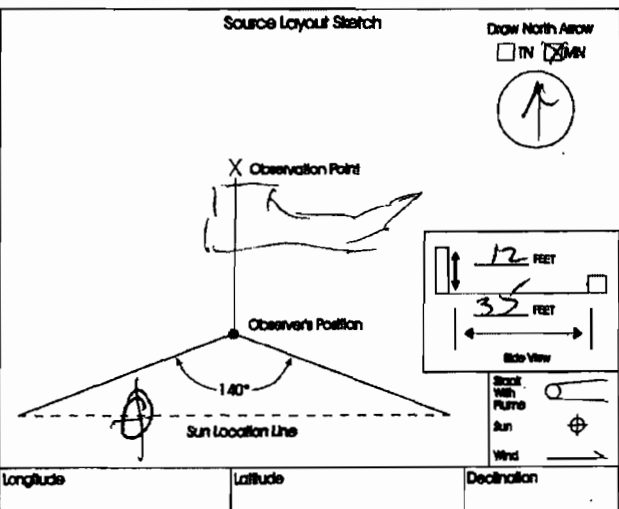
Process: **CRUSHER** Unit # **2** Operating Mode: **NORMAL**  
 Control Equipment: **WEST MATERIAL** Operating Mode: **NORMAL**

Describe Emission Point:  
**TRUSS 4T 1213 SN 73562**  
**CRUSHER**  
 Height of Emis. Pt. Start **212'** End **212'** Height of Emis. Pt. Rel. to Observer Start **3'** End **3'**  
 Distance to Emis. Pt. Start **235'** End \_\_\_\_\_ Direction to Emis. Pt. (Degree) Start **0°** End **0°**

Vertical Angle to Obs. Pt. Start **219°** End \_\_\_\_\_ Direction to Obs. Pt. (Degree) Start **0°** End **0°**  
 Distance and Direction to Observation Point from Emission Point Start **DIRECTLY ABOVE**

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 **BLUR** End **BLUR** Sky Conditions: Start **CLR** End **CLR**  
 Wind Speed: Start **5-10** End **5-10** Wind Direction: Start **VAR** End **VAR**  
 Ambient Temp: Start **59** End **60** Wet Bulb Temp: Start **50** RH Percent: **40**



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

Form Number: \_\_\_\_\_ Page: **1** of **2**  
 Continued on VEO Form Number: \_\_\_\_\_

Min	Time Zone: <b>EST</b>				Start Time: <b>1258</b>	End Time: <b>17859</b>	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): **Stephane S Brooks**  
 Observer's Signature: \_\_\_\_\_ Date: **12/28/10**  
 Organization: **BROOKS & ASSOCIATES**  
 Certified by: **WHITLOW** Date: **7/16/10**

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name  
**SDF QUARRIES / ATLANTIC CIVIL**

Facility Name  
 Street Address  
**2 W 107TH AVE / 10100 SW 365 ST**

City  
**FLORIDA CITY** State **FL** Zip \_\_\_\_\_

Process  
**CRUSHER** Unit # \_\_\_\_\_ Operating Mode  
**NORMAL**

Control Equipment  
**WET MATERIAL** Operating Mode  
**NORMAL**

Describe Emission Point  
**TALETSO LT 1213 SN 73562**  
**CRUSHER**

Height of Emiss. Pt.  
 Start **212'** End **212'** Height of Emiss. Pt., Rel. to Observer  
 Start **2'** End **20'**

Distance to Emiss. Pt.  
 Start **235'** End **235'** Direction to Emiss. Pt. (Degrees)  
 Start **330** End **330**

Vertical Angle to Obs. Pt.  
 Start **210** End **290** Direction to Obs. Pt. (Degrees)  
 Start **330** End **2330**

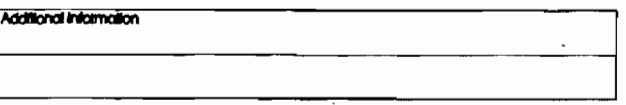
Distance and Direction to Observation Point from Emission Point  
 Start **DIRECTLY ABOVE**

Describe Emissions  
 Start **NONE** End \_\_\_\_\_  
 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 **CLR** End **CLR**

Wind Speed  
 Start **20-5** End **20-5** Wind Direction  
 Start **VAR** End **VAR**

Ambient Temp  
 Start **60** End **61** Wet Bulb Temp  
 Start **51** RH Percent  
 End **47**



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

Additional Information

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

Min	Observation Date <b>12/28/10</b>				Time Zone <b>EST</b>	Start Time <b>119</b>	End Time <b>19845</b>	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)  
**MEPHANIE S. BROOK**

Observer's Signature  
**Mephane S. Brook** Date **12/29/10**

Organization  
**BROOKS & ASSOCIATES**

Certified by  
**WHITLOW** Date **7/16/10**

SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL

## **4.0 COMPUTER INPUT SHEETS**

Visible Emissions Field Data  
Computer Input Sheets

SDI Quarries  
Crusher 12/28/2010

Minute	0	15	30	45	6 Min Avg	3 Min Avg	Minute	0	15	30	45	6 Min Avg	3 Min Avg	
1	0	0	0	0			31	0	0	0	0	0	0	
2	0	0	0	0			32	0	0	0	0	0	0	
3	0	0	0	0		0	33	0	0	0	0	0	0	
4	0	0	0	0		0	34	0	0	0	0	0	0	
5	0	0	0	0		0	35	0	0	0	0	0	0	
6	0	0	0	0	0	0	36	0	0	0	0	0	0	
7	0	0	0	0	0	0	37	0	0	0	0	0	0	
8	0	0	0	0	0	0	38	0	0	0	0	0	0	
9	0	0	0	0	0	0	39	0	0	0	0	0	0	
10	0	0	0	0	0	0	40	0	0	0	0	0	0	
11	0	0	0	0	0	0	41	0	0	0	0	0	0	
12	0	0	0	0	0	0	42	0	0	0	0	0	0	
13	0	0	0	0	0	0	43	0	0	0	0	0	0	
14	0	0	0	0	0	0	44	0	0	0	0	0	0	
15	0	0	0	0	0	0	45	0	0	0	0	0	0	
16	0	0	0	0	0	0	46	0	0	0	0	0	0	
17	0	0	0	0	0	0	47	0	0	0	0	0	0	
18	0	0	0	0	0	0	48	0	0	0	0	0	0	
19	0	0	0	0	0	0	49	0	0	0	0	0	0	
20	0	0	0	0	0	0	50	0	0	0	0	0	0	
21	0	0	0	0	0	0	51	0	0	0	0	0	0	
22	0	0	0	0	0	0	52	0	0	0	0	0	0	
23	0	0	0	0	0	0	53	0	0	0	0	0	0	
24	0	0	0	0	0	0	54	0	0	0	0	0	0	
25	0	0	0	0	0	0	55	0	0	0	0	0	0	
26	0	0	0	0	0	0	56	0	0	0	0	0	0	
27	0	0	0	0	0	0	57	0	0	0	0	0	0	
28	0	0	0	0	0	0	58	0	0	0	0	0	0	
29	0	0	0	0	0	0	59	0	0	0	0	0	0	
30	0	0	0	0	0	0	60	0	0	0	0	0	0	
Highest six minute average -%				0										
Highest three minute average -%				0										

4-2

Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067

SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL 33130



Visible Emissions Field Data  
Computer Input Sheets

SDI Quarries 12/28/2010  
Crusher Discharge Conveyor LT1110

Minute	0	15	30	45	6 Min Avg	3 Min Avg	Minute	0	15	30	45	6 Min Avg	3 Min Avg
1	0	0	0	0			31	0	0	0	0	0	0
2	0	0	0	0			32	0	0	0	0	0	0
3	0	0	0	0			33	0	0	0	0	0	0
4	0	0	0	0		0	34	0	0	0	0	0	0
5	0	0	0	0		0	35	0	0	0	0	0	0
6	0	0	0	0	0	0	36	0	0	0	0	0	0
7	0	0	0	0	0	0	37	0	0	0	0	0	0
8	0	0	0	0	0	0	38	0	0	0	0	0	0
9	0	0	0	0	0	0	39	0	0	0	0	0	0
10	0	0	0	0	0	0	40	0	0	0	0	0	0
11	0	0	0	0	0	0	41	0	0	0	0	0	0
12	0	0	0	0	0	0	42	0	0	0	0	0	0
13	0	0	0	0	0	0	43	0	0	0	0	0	0
14	0	0	0	0	0	0	44	0	0	0	0	0	0
15	0	0	0	0	0	0	45	0	0	0	0	0	0
16	0	0	0	0	0	0	46	0	0	0	0	0	0
17	0	0	0	0	0	0	47	0	0	0	0	0	0
18	0	0	0	0	0	0	48	0	0	0	0	0	0
19	0	0	0	0	0	0	49	0	0	0	0	0	0
20	0	0	0	0	0	0	50	0	0	0	0	0	0
21	0	0	0	0	0	0	51	0	0	0	0	0	0
22	0	0	0	0	0	0	52	0	0	0	0	0	0
23	0	0	0	0	0	0	53	0	0	0	0	0	0
24	0	0	0	0	0	0	54	0	0	0	0	0	0
25	0	0	0	0	0	0	55	0	0	0	0	0	0
26	0	0	0	0	0	0	56	0	0	0	0	0	0
27	0	0	0	0	0	0	57	0	0	0	0	0	0
28	0	0	0	0	0	0	58	0	0	0	0	0	0
29	0	0	0	0	0	0	59	0	0	0	0	0	0
30	0	0	0	0	0	0	60	0	0	0	0	0	0
Best six minute average -%				0									
Highest three minute average -%				0									

4-3

SDI Quarries  
15100 SW 365<sup>th</sup> ST  
Florida City FL 33034

Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067

Visible Emissions Field Data  
Computer Input Sheets

SDI Quarries  
Crusher

12/28/2010  
LT1213

Minute	0	15	30	45	6 Min Avg	3 Min Avg	Minute	0	15	30	45	6 Min Avg	3 Min Avg
1	0	0	0	0			31	0	0	0	0	0	0
2	0	0	0	0			32	0	0	0	0	0	0
3	0	0	0	0		0	33	0	0	0	0	0	0
4	0	0	0	0		0	34	0	0	0	0	0	0
5	0	0	0	0		0	35	0	0	0	0	0	0
6	0	0	0	0	0	0	36	0	0	0	0	0	0
7	0	0	0	0	0	0	37	0	0	0	0	0	0
8	0	0	0	0	0	0	38	0	0	0	0	0	0
9	0	0	0	0	0	0	39	0	0	0	0	0	0
10	0	0	0	0	0	0	40	0	0	0	0	0	0
11	0	0	0	0	0	0	41	0	0	0	0	0	0
12	0	0	0	0	0	0	42	0	0	0	0	0	0
13	0	0	0	0	0	0	43	0	0	0	0	0	0
14	0	0	0	0	0	0	44	0	0	0	0	0	0
15	0	0	0	0	0	0	45	0	0	0	0	0	0
16	0	0	0	0	0	0	46	0	0	0	0	0	0
17	0	0	0	0	0	0	47	0	0	0	0	0	0
18	0	0	0	0	0	0	48	0	0	0	0	0	0
19	0	0	0	0	0	0	49	0	0	0	0	0	0
20	0	0	0	0	0	0	50	0	0	0	0	0	0
21	0	0	0	0	0	0	51	0	0	0	0	0	0
22	0	0	0	0	0	0	52	0	0	0	0	0	0
23	0	0	0	0	0	0	53	0	0	0	0	0	0
24	0	0	0	0	0	0	54	0	0	0	0	0	0
25	0	0	0	0	0	0	55	0	0	0	0	0	0
26	0	0	0	0	0	0	56	0	0	0	0	0	0
27	0	0	0	0	0	0	57	0	0	0	0	0	0
28	0	0	0	0	0	0	58	0	0	0	0	0	0
29	0	0	0	0	0	0	59	0	0	0	0	0	0
30	0	0	0	0	0	0	60	0	0	0	0	0	0

Highest six minute average -% 0  
Highest three minute average -% 0

SDI Quarries  
16100 SW 365<sup>th</sup> ST  
Florida City FL

Visible Emissions Field Data  
Computer Input Sheets

SDI Quarries 12/28/2010  
Crusher Discharge Conveyor LT1213

Minute	0	15	30	45	6 Min Avg	3 Min Avg	Minute	0	15	30	45	6 Min Avg	3 Min Avg
1	0	0	0	0			31	0	0	0	0	0	0
2	0	0	0	0			32	0	0	0	0	0	0
3	0	0	0	0		0	33	0	0	0	0	0	0
4	0	0	0	0		0	34	0	0	0	0	0	0
5	0	0	0	0		0	35	0	0	0	0	0	0
6	0	0	0	0	0	0	36	0	0	0	0	0	0
7	0	0	0	0	0	0	37	0	0	0	0	0	0
8	0	0	0	0	0	0	38	0	0	0	0	0	0
9	0	0	0	0	0	0	39	0	0	0	0	0	0
10	0	0	0	0	0	0	40	0	0	0	0	0	0
11	0	0	0	0	0	0	41	0	0	0	0	0	0
12	0	0	0	0	0	0	42	0	0	0	0	0	0
13	0	0	0	0	0	0	43	0	0	0	0	0	0
14	0	0	0	0	0	0	44	0	0	0	0	0	0
15	0	0	0	0	0	0	45	0	0	0	0	0	0
16	0	0	0	0	0	0	46	0	0	0	0	0	0
17	0	0	0	0	0	0	47	0	0	0	0	0	0
18	0	0	0	0	0	0	48	0	0	0	0	0	0
19	0	0	0	0	0	0	49	0	0	0	0	0	0
20	0	0	0	0	0	0	50	0	0	0	0	0	0
21	0	0	0	0	0	0	51	0	0	0	0	0	0
22	0	0	0	0	0	0	52	0	0	0	0	0	0
23	0	0	0	0	0	0	53	0	0	0	0	0	0
24	0	0	0	0	0	0	54	0	0	0	0	0	0
25	0	0	0	0	0	0	55	0	0	0	0	0	0
26	0	0	0	0	0	0	56	0	0	0	0	0	0
27	0	0	0	0	0	0	57	0	0	0	0	0	0
28	0	0	0	0	0	0	58	0	0	0	0	0	0
29	0	0	0	0	0	0	59	0	0	0	0	0	0
30	0	0	0	0	0	0	60	0	0	0	0	0	0

SDI Quarries  
1600 SW 365<sup>th</sup> ST  
Ft. Prida, City FL

Highest six minute average -% 0  
Highest three minute average -% 0

4-5

Brooks & Associates  
5068 NW 85<sup>th</sup> Rd.  
Coral Springs, FL 33067