

F&A RECEIPT # 747324

2011 JUN 1

EXPIRES: 12/07/10

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

Part II. Notification to Permitting Office

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

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)

0250258-005

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- 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).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- 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

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)
White Rock Quarries, Inc.

Site Name (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.)
Main Quarry

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)
Street Address: 18300 NW 122nd Avenue
City: Hialeah County: Miami-Dade Zip Code: 33018

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility)
September, 1986

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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FIM/REGISTRATION 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: Jim Hurley - Vice President

Owner/Authorized Representative Mailing Address

Organization/Firm: White Rock Quarries

Street Address: Post Office Box 15065

City: West Palm Beach

County: Miami-Dade

Zip Code: 33416

Owner/Authorized Representative Telephone Numbers

Telephone: (561) 793 - 2102

Fax: (516) 798 - 3778

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: Ronnie Van Landingham

Facility Contact Mailing Address

Organization/Firm: White Rock Quarries

Street Address: 18300 NW 122 Ave

City: Miami

County: Miami-Dade

Zip Code: 33018

Facility Contact Telephone Numbers

Telephone: 605-822-5322

Fax: 305-824-3508

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

Date

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:

Maintain Roads/Parking/Yards Use Water Application Use Dust Suppressant
 Remove Particulate Matter Reduce Stock Pile Height Install Wind Breaks

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

Feeders Entrance to "Crusher" Exit of "Crusher"
 Classifier Screens Conveyor Drop Points

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.

Equipment is located at a mine or quarry and processes only material from onsite natural deposits. Per Rule 62-210.310(5)(e)3,c,(l) F.A.C., no water suppression system with spray bars are required. The mined material is wet, which helps prevent unconfined particulate matter emissions.

Unconfined emissions generated by vehicular traffic or wind is controlled by applying water (by water trucks equipped with spray bars) on a regular basis to all stockpiles, roadways, and work yards where the nonmetallic mineral processing plant is located.

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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.

The facility processes limestone that is mined from the on-site quarry at approximately 800 tons per hour of material processed.

This application is being submitted with the following:

1. Table 1 provides emissions point lists for existing equipment,
2. Copies of the annual visible emissions observations for the facility.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 JUN - 1 PM 3: 13
FINANCE & ACCOUNTING
REVENUE

A. Table 1. List of Equipment

B. Previous Year VE Observations

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Table 1. List of Equipment

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Primary Crusher(s)							
<u>EU001</u> #1 ✓ Jaw Crusher M14	Cedar Rapids	1998	3648	✓40249	350 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#8 ✓ Jaw Crusher M212	Sandvik	2004	JM1312	✓11810	800 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Secondary Crusher(s)							
<u>EU001</u> #2 ✓ Impact Crusher M33	Stedman	1998	6460H	✓87052	500 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#4 ✓ Cone Crusher CR-1	Nordberg	1993	HP-300	✓HP400336	200 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#5 ✓ Cone Crusher CR-2	Nordberg	1993	HP-300	✓HP400333	200 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#6 ✓ Cone Crusher CR-3	Nordberg	1995	HP-500	HP500114	500 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#9 ✓ Cone Crusher M246	METSO	2004	HP-400	✓495	400 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#10 ✓ Cone Crusher M241	METSO	2004	HP-400	✓488	400 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#11 ✓ Impact Crusher M251	Impact Service	2004	82-VSI	✓82-135	350 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#12 ✓ Impact Crusher M256	Impact Service	2004	82-VSI	✓82-137	350 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#13 ✓ Impact Crusher M266	Impact Service	2004	82-VSI	✓82-134	350 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#14 ✓ Impact Crusher M261	Impact Service	2004	82-VSI	✓82-136	350 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tertiary Crusher(s)							
<u>EU001</u> #3 ✓ Impact Crusher M48	Stedman	1998	4860H	✓86040	300 TPH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grinding Mill(s)							
None	--	--	--	--	--	<input type="checkbox"/>	<input type="checkbox"/>
Bucket Elevator(s)							
None	--	--	--	--	--	<input type="checkbox"/>	<input type="checkbox"/>
Screening Operation(s)							
<u>EU002</u> #1 ✓ Primary Feeder M11	Diester	1988	VF-5416	✓64207	72 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#2 ✓ Primary Grizzly M12	Diester	1988	VG-5414	✓64208	63 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#3 ✓ Scalping M30	Diester	1988	BHM-3820	✓659537	160 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#4 ✓ East Finishing M40	Diester	1988	BHM-3820	✓659571	160 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#5 ✓ West Finishing M42	Diester	1988	BTHM-4820	✓649559	160 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wash SCR ④	Diester	1993	8/20 TRIPLE	✓599361	160 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
✓ Surge Bin Feeder M24	Syntron	1988	MF-400	✓B25-760	35 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
✓ Feeder to C1 F1	Kinergy	1993	KDF-30HD	✓2907	25 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#12 ✓ Feeder to C9 F4	Kinergy	1995	KDF-36HD	✓KDF-4195 2906	24 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#12 ✓ Feeder to Crusher F5	Kinergy	1993	KDF-42HD	✓KDF-4195 2907	24.5 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#13 ✓ Feeder to C1 F2	SMC	2004	N/A	769153-893	8.75 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#17 Four Deck Screen M225/M226	Diester	2004	BHM-4828	980493	192 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#18 Four Deck Screen M274/M275	Diester	2004	BHM-4828	980494	192 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#19 Four Deck Screen M294/M295	Diester	2004	BHM-4828	980498	192 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#20 Grizzly Primary M211	Diester	2004	VGB-7214	64651	84 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Table 1. List of Equipment

(Continued from previous page)

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
#1 Primary Feeder M210	Diester	2004	VF-6620	64650	110 FT ²	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#2 Secondary Feeder M220	Syntron	2004	MF-600-D	813878	72" x 120'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#3 Tertiary Feeder M245	Syntron	2004	F-480-C-DT	813877	48" x 72'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#4 Tertiary Feeder M240	Syntron	2004	F-480-C-DT	813876	48" x 72'	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bagging Operation None	--	--	--	--	--	<input type="checkbox"/>	<input type="checkbox"/>
Storage Bin(s) EU004 #1 Primary Bin SB-1	In House Fabricated	1988	N/A	N/A	220 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#2 M22 Surge Bin SB-2	In House Fabricated	1988	N/A	N/A	100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#3 Surge Bin SB-3	In House Fabricated	1993	N/A	N/A	100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#4 HP-500 Bin SB-4	In House Fabricated	1995	N/A	N/A	50 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#5 Bin 101	McCord Conveyors	2004	N/A	N/A	100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#6 Bin 102	McCord Conveyors	2004	N/A	N/A	100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#7 Bin 103	McCord Conveyors	2004	N/A	N/A	100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enclosed Truck or Railcar Loading None	--	--	--	--	--	<input type="checkbox"/>	<input type="checkbox"/>
Crusher Engine None	--	--	--	--	--	<input type="checkbox"/>	<input type="checkbox"/>
Auxiliary Generator(s) None	--	--	--	--	--	<input type="checkbox"/>	<input type="checkbox"/>
Belt Conveyor(s) EU003 #1 Primary Crusher Discharge M20	McCord Conveyors	1998	N/A	N/A	42 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#2 Surge Bin Feed Radial Stacker M22	McCord Conveyors	1998	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#3 Scalping Screen Feed M26	McCord Conveyors	1998	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#4 Ballast Stockpile M35	McCord Conveyors	1998	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#5 Finishing Screen M36	McCord Conveyors	1998	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#6 Recycle Conveyor M50	McCord Conveyors	1998	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#7 #57 Product Transfer M52	McCord Conveyors	1998	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#8 #57 Elevating Radial Stacker M54	McCord Conveyors	1998	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#9 #7 Product Transfer M72	McCord Conveyors	1998	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#10 #7 Product Stockpiler M74	McCord Conveyors	1998	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#11 #89 Product Transfer M82	McCord Conveyors	1998	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#12 #89 Elevating Radial Stacker M84	McCord Conveyors	1998	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#13 Sand #2 Radial Stacker M94	McCord Conveyors	1998	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Table 1. List of Equipment

(Continued from previous page)

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
#14 Sand #1 Radial Stacker M104	McCord Conveyors	1998	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#15 Conveyor to Bin C1	Lawson	1993	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#16 Conveyor to Crusher C2	Lawson	1993	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#17 Conveyor to Crusher C3	Lawson	1993	N/A	N/A	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#18 Recrush Conveyor C5	Lawson	1993	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#19 Sand Take-Away Conveyor C7	Lawson	1993	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#20 Conveyor to Screen C4	L&M	1993	N/A	N/A	42 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#21 Product C6	Greystone	1993	N/A	N/A	24 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#22 Sand Product Conveyor C8	Greystone	1993	N/A	03-299062-RZ	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#23 Conveyor to Surge Bin C9	Central	1995	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#24 Conveyor from Crusher C10	Central	1995	N/A	N/A	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#28 Scalping Screen Feed Conveyor M271	Templar Tech	2004	N/A	LA-271-01	42 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#29 Conveyor to Bin 103 M281	Templar Tech	2004	N/A	LA-281-01	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#30 Conveyor to Bin 102 M230	Templar Tech	2004	N/A	LA-230-01	42 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#31 Conveyor to M281 M280	Templar Tech	2004	N/A	LA-280-1	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#32 Scalping Screen Feed Conveyor M291	Templar Tech	2004	N/A	LA-291-01	42 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#33 #57 Product Transfer #1 M301	Templar Tech	2004	N/A	LA-301-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#34 #9 Product Stockpiler M321	Templar Tech	2004	N/A	LA-321-01	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#35 Conveyor to M223 M221	Templar Tech	2004	N/A	LA-221-01	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#36 Scalping Screen Feed Conveyor M223	Templar Tech	2004	N/A	LA-223-01	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#37 #89 Product Radial Stacker M344	McCord Conveyors	2004	N/A	LA-344-01	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#38 #89 Product Transfer M341	Templar Tech	2004	N/A	LA-341-01	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#39 Radial Stacker #4 & 5 M334	McCord Conveyors	2004	N/A	LA-334-01	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#40 #4 & 5 Product Transfer M331	Templar Tech	2004	N/A	LA-331-01	30 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#42 #57 Product Transfer #2 M302	Templar Tech	2004	N/A	LA-302-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#41 #57 Radial Stacker M304	Templar Tech	2004	N/A	LA-304-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#43 Sand Product Transfer M311	Templar Tech	2004	N/A	LA-311-01	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#44 Sand Radial Stacker M314	Templar Tech	2004	N/A	LA-314-01	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#45 Primary Crusher Discharge M215	Templar Tech	2004	N/A	LA-215-01	60 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#46 Surge Bin Radial Stacker M216	McCord Conveyors	2004	N/A	LA-216-01	48 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#47 Conveyor to Crusher M256 M255	McCord Conveyors	2004	N/A	LA-255-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#48 Conveyor to Crusher M251 M250	McCord Conveyors	2004	N/A	LA-250-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#49 Conveyor to Crusher M261 M265	McCord Conveyors	2004	N/A	LA-265-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>
#50 Conveyor to Crusher M266 M260	McCord Conveyors	2004	N/A	A-260-01	36 INCH	<input checked="" type="checkbox"/>	<input type="checkbox"/>



4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 ▪ FAX/377-7158

May 31, 2011

Mr. Dickson Dibble
Florida Department of Environmental Protection
Receipts
PO Box 3070
Tallahassee, Florida 32315-3070

SUBJECT: White Rock Quarries – Main Quarry
Nonmetallic Mineral Processing Plant
Miami, Miami-Dade County, Florida
Air General Permit Notification
Facility ID 0250258

Dear Mr. Dibble:

This letter transmits the *Air General Permit Notification Form* for the referenced facility.

Please note:

- 1) The processing fee is attached; in accordance with Rule 62-4.050(4)(p)(b), FAC, the processing fee is **\$100** for a general permit not requiring Professional Engineer certification.

Please provide written confirmation of coverage under the General Permit. If you have any questions, please call me at (352) 377-5822.

Sincerely,

Kyle G. Ulmer, E.I.
Koogler & Associates, Inc.

Enc.

Cc: Ms. Linda Maddy – White Rock Quarries

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2011 JUN - 1 PM 3:13
FINANCE & ACCOUNTING
REVENUE

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M-11

PROCESS EQUIPMENT Primary Feeder **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START drop point into hopper from hopper (primary)
HEIGHT ABOVE GROUND LEVEL START ~20' STOP ~20' **HEIGHT RELATIVE TO OBSERVER** START ~20' STOP ~20'
DISTANCE FROM OBSERVER START ~100' STOP ~100' **DIRECTION FROM OBSERVER** START 20° STOP 20°

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR START None STOP None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at drop point area **STOP**

DESCRIBE BACKGROUND
START framework of steel area **STOP**

BACKGROUND COLOR START tan STOP tan **SKY CONDITIONS** START clear STOP clear

WIND SPEED START 2-3 STOP 2-3 **WIND DIRECTION** START VAR STOP VAR

AMBIENT TEMP: START 76 STOP 76 **WET BULB TEMP** 71 **RH, percent** 78

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS	
MO	MIN	0	15	30		45
12	16	09	07	00	0730	
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	
21	0	0	0	0	0	
22	0	0	0	0	0	
23	0	0	0	0	0	
24	0	0	0	0	0	
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	

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

TITLE **DATE**

OBSERVER'S NAME (PRINT) James J. Langston

OBSERVER'S SIGNATURE *James J. Langston* **DATE** 12/16/09

ORGANIZATION KOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M-12

PROCESS EQUIPMENT Primary Grizzly **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START D.P. to Grizzly STOP from Primary feeder.

HEIGHT ABOVE GROUND LEVEL
START ~20' **STOP** ~20' **HEIGHT RELATIVE TO OBSERVER**
START ~20' **STOP** ~20'

DISTANCE FROM OBSERVER
START ~100' **STOP** ~100' **DIRECTION FROM OBSERVER**
START 20° **STOP** 70°

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR
START None **STOP** None **PLUME TYPE:** CONTINUOUS **FUGITIVE** INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at grizzly surrounding area

DESCRIBE BACKGROUND
START framework of primary crusher **STOP**

BACKGROUND COLOR
START tan **STOP** tan **SKY CONDITIONS**
START clear **STOP** clear

WIND SPEED
START 2-3 **STOP** 2-3 **WIND DIRECTION**
START VAR **STOP** VAR

AMBIENT TEMP: **START** 76 **STOP** 76 **WET BULB TEMP** 71 **RH, percent** 78

Draw North Arrow

COMMENTS

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
12/16/09		0700		0730	
SEC MIN	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	
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15	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) James D. Langston

OBSERVER'S SIGNATURE *James D. Langston* **DATE** 12/16/09

ORGANIZATION KOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **C9**

PROCESS EQUIPMENT **Conveyor belt to surge bin** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
 START **Transfer point from crusher to belt** STOP

HEIGHT ABOVE GROUND LEVEL START **5'** STOP **5'** HEIGHT RELATIVE TO OBSERVER START **5'** STOP **5'**

DISTANCE FROM OBSERVER START **120'** STOP **120'** DIRECTION FROM OBSERVER START **60°** STOP **60°**

DESCRIBE EMISSIONS
 START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
 START **drop point onto belt / same** STOP

DESCRIBE BACKGROUND
 START **Crusher** STOP **Crusher**

BACKGROUND COLOR START **tan** STOP **tan** SKY CONDITIONS START **Scatt** STOP **scatt**

WIND SPEED START **0-3** STOP **0-3** WIND DIRECTION START **VAR** STOP **VAR**

AMBIENT TEMP: START **74** STOP **74** WET BULB TEMP **71** RH. percent **78%**

OBSERVATION DATE		START TIME			STOP TIME	COMMENTS
12/16/09		07:40			08:10	
SE0 MIN	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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29	0	0	0	0		
30	0	0	0	0		

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **Glen A. Haven**

OBSERVER'S SIGNATURE *Glen A. Haven* DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.		
ADDRESS 18300 NW 122nd Ave.		
Dade County		
CITY Miami	STATE FL	ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER SB4	
PROCESS EQUIPMENT Storage Bin - 500 Bin	OPERATING MODE	
CONTROL EQUIPMENT None	OPERATING MODE N/A	
DESCRIBE EMISSION POINT START hand Bin fed by CB9 STOP		
HEIGHT ABOVE GROUND LEVEL START 50' STOP 50'		HEIGHT RELATIVE TO OBSERVER START 50' STOP 50'
DISTANCE FROM OBSERVER START 75' STOP 75'		DIRECTION FROM OBSERVER START 258° STOP 258°
DESCRIBE EMISSIONS START None STOP None		
EMISSION COLOR START None STOP None	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>	
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>	
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START Drop point into Bin STOP		
DESCRIBE BACKGROUND START SKY STOP SKY		
BACKGROUND COLOR START Blue STOP Blue		SKY CONDITIONS START Scat STOP Scat
WIND SPEED START 0-3 STOP 0-3		WIND DIRECTION START VAR STOP VAR
AMBIENT TEMP: START 76 STOP 76	WET BULB TEMP 71	RH. percent 78%
<p style="text-align: right;">Draw North Arrow</p>		

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
12/16/09		07:40		08:10	
SEC MIN	0	15	30	45	
1	0	0	0	0	
2	0	0	0	0	
3	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	

COMMENTS			OBSERVER'S NAME (PRINT) Glen A. Haven
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE			OBSERVER'S SIGNATURE <i>Glen A. Haven</i> DATE 12/16/09
TITLE			ORGANIZATION KOGLER AND ASSOCIATES, INC.
DATE			CERTIFIED BY ETA DATE 10/09

SOURCE NAME White Rock Quarries, Inc.	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER CR3 - Plant CR6
PROCESS EQUIPMENT CR3 Secondary Crusher	OPERATING MODE
CONTROL EQUIPMENT None	OPERATING MODE N/A
DESCRIBE EMISSION POINT START hand crusher STOP same	
HEIGHT ABOVE GROUND LEVEL START 8-15 STOP 8-15	HEIGHT RELATIVE TO OBSERVER START 8-15 STOP 8-15
DISTANCE FROM OBSERVER START 120' STOP 120'	DIRECTION FROM OBSERVER START 258° STOP 258°
DESCRIBE EMISSIONS START none STOP none	
EMISSION COLOR START none STOP none	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START Crusher inlet STOP Outlet / Stone	
DESCRIBE BACKGROUND START SKY + Belts STOP same	
BACKGROUND COLOR START Blue/black / stone STOP	SKY CONDITIONS START scat STOP scat
WIND SPEED START 0-3 STOP 0-3	WIND DIRECTION START 140/09 STOP scat var, sea var
AMBIENT TEMP: START 76 STOP 76	WET BULB TEMP 71 RH. percent 78%

COMMENTS **observations include C10 outlet of crusher to CB10**

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TITLE _____ DATE _____

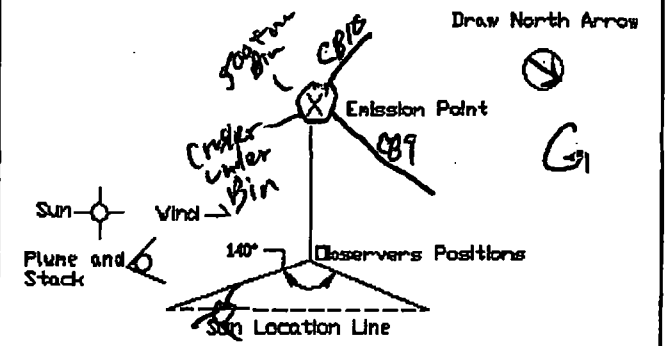
OBSERVATION NO	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45			
	12/16/09				07:40	08:10	
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2	0	0	0	0			
3	0	0	0	0			
4	0	0	0	0			
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29	0	0	0	0			
30	0	0	0	0			

OBSERVER'S NAME (PRINT) **Steven A. Haver**

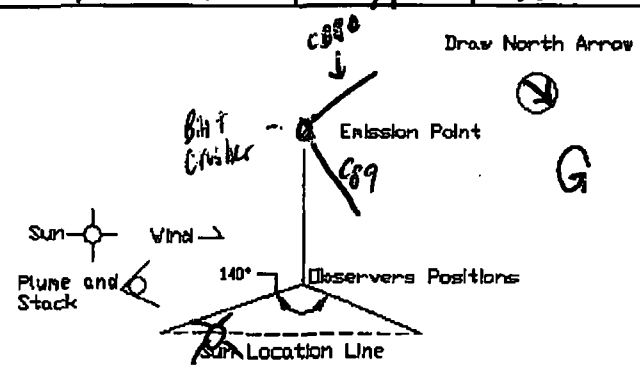
OBSERVER'S SIGNATURE *Steven A. Haver* DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**



SOURCE NAME White Rock Quarries	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER CB-10
PROCESS EQUIPMENT Conveyor CB-10	OPERATING MODE 0. 12/14/09
CONTROL EQUIPMENT None	OPERATING MODE NIA
DESCRIBE EMISSION POINT START drop point onto conveyor belt from crusher STOP	
HEIGHT ABOVE GROUND LEVEL START 8' STOP 8'	HEIGHT RELATIVE TO OBSERVER START 8' STOP 8'
DISTANCE FROM OBSERVER START 120' STOP 120'	DIRECTION FROM OBSERVER START 258° STOP 258°
DESCRIBE EMISSIONS START none STOP none	
EMISSION COLOR START none STOP none	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START Crusher outlet to belt / same STOP	
DESCRIBE BACKGROUND START Linear STOP Linear	
BACKGROUND COLOR START Tan STOP Tan	SKY CONDITIONS START scat STOP scat
WIND SPEED START 0-3 STOP 0-3	WIND DIRECTION START VAR STOP VAR
AMBIENT TEMP: START 76 STOP 76	WET BULB TEMP 71 RH. percent 78%



OBSERVATION DATE	START TIME		STOP TIME		COMMENTS
	0	15	30	45	
12/16/09	07:40	08:10			
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	
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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	

COMMENTS	OBSERVER'S NAME (PRINT) Genet Haven
	OBSERVER'S SIGNATURE Genet Haven DATE 12/16/09
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE	ORGANIZATION HOGLER AND ASSOCIATES, INC.
TITLE	CERTIFIED BY ETA DATE 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M-14

PROCESS EQUIPMENT Primary Crusher **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START *into and out of crusher from grizzly* **STOP** *m-20*

HEIGHT ABOVE GROUND LEVEL
START *~10'* **STOP** *~10'* **HEIGHT RELATIVE TO OBSERVER**
START *~10'* **STOP** *~10'*

DISTANCE FROM OBSERVER
START *~100'* **STOP** *~100'* **DIRECTION FROM OBSERVER**
START *20°* **STOP** *20°*

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR
START None **STOP** None

PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

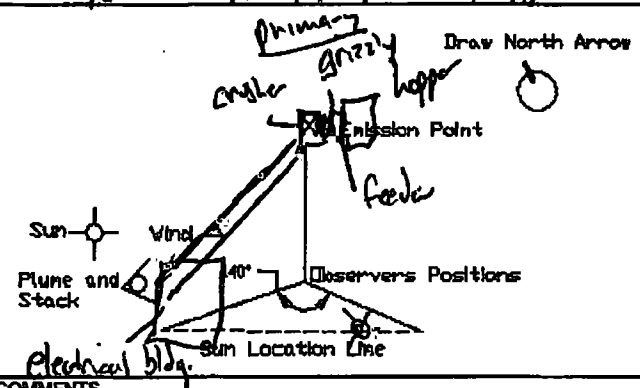
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START *at crusher inlet and outlet area.* **STOP**

DESCRIBE BACKGROUND
START *Crusher frame* **STOP** *framework*

BACKGROUND COLOR
START *tan* **STOP** *tan* **SKY CONDITIONS**
START *clear* **STOP** *clear*

WIND SPEED
START *2-3* **STOP** *2-3* **WIND DIRECTION**
START *VAR* **STOP** *VAR*

AMBIENT TEMP: **START** *76* **STOP** *76* **WET BULB TEMP** *71* **RH, percent** *78*



SEC MIN	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45	0700	0730	
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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30	0	0	0	0			

COMMENTS

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TITLE **DATE**

OBSERVER'S NAME (PRINT) James P. Langston

OBSERVER'S SIGNATURE *[Signature]* **DATE** 12/16/09

ORGANIZATION KOOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

9/1

SOURCE NAME White Rock Quarries, Inc.	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER M20
PROCESS EQUIPMENT Crusher Primary Discharge Conveyor	OPERATING MODE
CONTROL EQUIPMENT None	OPERATING MODE N/A
DESCRIBE EMISSION POINT START Drop point from crusher to belt M20/Sun	
HEIGHT ABOVE GROUND LEVEL START 5' STOP 5'	HEIGHT RELATIVE TO OBSERVER START 5' STOP 5'
DISTANCE FROM OBSERVER START 40' STOP 40'	DIRECTION FROM OBSERVER START 335° STOP 338°
DESCRIBE EMISSIONS START clear/more STOP same	
EMISSION COLOR START None STOP None	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START Transfer point STOP same	
DESCRIBE BACKGROUND START SKY STOP SKY	
BACKGROUND COLOR START Grey STOP Grey	SKY CONDITIONS START Scat. STOP scat
WIND SPEED START 0-3 STOP 0-3	WIND DIRECTION START VAR STOP VAR.
AMBIENT TEMP: START 76 STOP 74	WET BULB TEMP 71 RH.percent 78

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	SEC	MIN	MIN	MIN		
12/16/09		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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COMMENTS

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TITLE _____ DATE _____

OBSERVER'S NAME (PRINT) **Glen A. Haven**

OBSERVER'S SIGNATURE **Glen A. Haven** DATE **12/16/09**

ORGANIZATION **KOUGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER M 22
PROCESS EQUIPMENT Surge Bin Feed Radial Hopper Conveyor	OPERATING MODE
CONTROL EQUIPMENT None	OPERATING MODE NIA
DESCRIBE EMISSION POINT START Transfer point STOP Between Belts / SAME	
HEIGHT ABOVE GROUND LEVEL START 5-8 STOP 5-8	HEIGHT RELATIVE TO OBSERVER START 5-8 STOP 58
DISTANCE FROM OBSERVER START 60' STOP 60'	DIRECTION FROM OBSERVER START 318° STOP 318°
DESCRIBE EMISSIONS START None STOP None	
EMISSION COLOR START None STOP None	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START Transfer point STOP SAME	
DESCRIBE BACKGROUND START SKY / ROCK STOP SAME	
BACKGROUND COLOR START Tan/Blue STOP same	SKY CONDITIONS START Scatt. STOP Scatt
WIND SPEED START 0-3 STOP 0-3	WIND DIRECTION START VAR STOP VAR
AMBIENT TEMP: START 76 STOP 76	WET BULB TEMP 71 RH. percent 78%

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

TITLE

DATE

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09					07:05	07:35
	SE0					
	MM					
	1	0	0	0		
	2	0	0	0		
	3	0	0	0		
	4	0	0	0		
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	26	0	0	0		
	27	0	0	0		
	28	0	0	0		
	29	0	0	0		
	30	0	0	0		

OBSERVER'S NAME (PRINT) **Glen A. Haven**

OBSERVER'S SIGNATURE **Glen A. Haven** DATE **12/16/09**

ORGANIZATION **MOOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

M

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **582**

PROCESS EQUIPMENT **Storage Bin # 22 Surge Bin** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **Drop Point into Bin / Surge**

HEIGHT ABOVE GROUND LEVEL START **50'** STOP **50'** HEIGHT RELATIVE TO OBSERVER START **50'** STOP **50'**

DISTANCE FROM OBSERVER START **150'** STOP **150'** DIRECTION FROM OBSERVER START **298°** STOP **298°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **Area of material dropping into Bin** STOP

DESCRIBE BACKGROUND
START **SKY** STOP **SKY**

BACKGROUND COLOR START **White/Blue Sky** STOP SKY CONDITIONS START **scatt** STOP **scatt.**

WIND SPEED START **0-3** STOP **0-3** WIND DIRECTION START **VAR** STOP **VAR**

AMBIENT TEMP: START **76** STOP **74** WET BULB TEMP **71** RH, percent **78%**

Draw North Arrow

Sun

Wind →

Plume and Stack

140°

Observers' Positions

Surge Bin

Emission Point

M22

M20

CRS/ST

Sun Location Line

Plant Labeled - CS #24

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09	07:05				07:35	
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		
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		

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

TITLE

DATE

OBSERVER'S NAME (PRINT) **Glen A. Hoyer**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M-26**

PROCESS EQUIPMENT **Scaling Screen for conveyor.** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **off from bin 10224 onto feed belt.**

HEIGHT ABOVE GROUND LEVEL
START **23** STOP **23** HEIGHT RELATIVE TO OBSERVER
START **23** STOP **23**

DISTANCE FROM OBSERVER
START **100** STOP **400** DIRECTION FROM OBSERVER
START **300** STOP **300**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR
START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **at off to belt area**

DESCRIBE BACKGROUND
START **Cement wall** STOP **Cement wall**

BACKGROUND COLOR
START **tan** STOP **tan** SKY CONDITIONS
START **clear** STOP **clear**

WIND SPEED
START **0-2** STOP **0-2** WIND DIRECTION
START **VAR** STOP **VAR**

AMBIENT TEMP.
START **74** STOP **74** WET BULB TEMP **70** RH percent **82**

OBSERVATION NO	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45			
	12/16/09				0740	08:10	
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			

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James D. Layton**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.
ADDRESS 18300 NW 122nd Ave.
Dade County
CITY Miami **STATE** FL **ZIP** 33015
PHONE 305-822-5322 **SOURCE ID NUMBER** M-33
PROCESS EQUIPMENT Secondary Crusher **OPERATING MODE**
CONTROL EQUIPMENT None **OPERATING MODE** N/A
DESCRIBE EMISSION POINT START *from sculping screen onto*
into and out of Secondary Crusher
HEIGHT ABOVE GROUND LEVEL START *~20'* STOP *~20'* **HEIGHT RELATIVE TO OBSERVER** START *~20'* STOP *~20'*
DISTANCE FROM OBSERVER START *~100'* STOP *~100'* **DIRECTION FROM OBSERVER** START *220°* STOP *230°*
DESCRIBE EMISSIONS START *None* STOP *None*
EMISSION COLOR START *None* STOP *None* **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT
WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START *at crusher inlet & outlet area*
DESCRIBE BACKGROUND START *framework + sky* STOP *Same*
BACKGROUND COLOR START *tan blue* STOP *tan blue* **SKY CONDITIONS** START *Clear* STOP *Clear*
WIND SPEED START *0-2* STOP *0-2* **WIND DIRECTION** START *VAR* STOP *VAR.*
AMBIENT TEMP: START *74* STOP *74* **WET BULB TEMP** *70* **RH, percent** *82*

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
SE0 MIN	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	
26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
28	0	0	0	0	
30	0	0	0	0	

GA

COMMENTS

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TITLE **DATE**

OBSERVER'S NAME (PRINT) James D. Layton
OBSERVER'S SIGNATURE *[Signature]* **DATE** 12/16/09
ORGANIZATION KOUGLER AND ASSOCIATES, INC.
CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M-36

PROCESS EQUIPMENT Finishing Screen Conveyor **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START 2' from secondary STOP
HEIGHT ABOVE GROUND LEVEL START 2' STOP 2' **HEIGHT RELATIVE TO OBSERVER** START 2' STOP 2'
DISTANCE FROM OBSERVER START ~100' STOP ~100' **DIRECTION FROM OBSERVER** START 230 STOP 230

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR START None STOP None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at 2' to belt STOP
DESCRIBE BACKGROUND
START framework + lift STOP Same

BACKGROUND COLOR START tan STOP tan **SKY CONDITIONS** START clear STOP clear

WIND SPEED START 0-2 STOP 0-2 **WIND DIRECTION** START VAR STOP VAR

AMBIENT TEMP: START 74 STOP 74 **WET BULB TEMP** 70 **RH. percent** 82

The diagram shows a plan view of the site. A horizontal line represents a conveyor belt. An 'X' marks the 'Emission Point' on this belt. To the right of the belt, a 'Sun' is indicated with a circle and a north arrow. Below the belt, two 'Observers Positions' are marked with 'X's. A 'Sun Location Line' is drawn from the sun towards the observers. A '140°' angle is marked between the Sun Location Line and the belt. A 'Wind' direction is indicated by an arrow pointing right. A 'Plume and Stack' is shown as a vertical line extending upwards from the emission point. Handwritten notes include 'feeding into crusher out to belt' and 'M-36' near the emission point, and 'Sim M-24' near the observers.

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
SE0 MIN					
12/16/09		0740		0810	
	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	
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	

COMMENTS

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SIGNATURE

TITLE

DATE

OBSERVER'S NAME (PRINT) James D. Langdon

OBSERVER'S SIGNATURE [Signature]

DATE 12/16/09

ORGANIZATION KOGGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA

DATE 10/09

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M-48**

PROCESS EQUIPMENT **Tertiary Crusher** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **up into and out of crusher.**

HEIGHT ABOVE GROUND LEVEL
START **20'** STOP **20'** HEIGHT RELATIVE TO OBSERVER
START **20'** STOP **20'**

DISTANCE FROM OBSERVER,
START **200'** STOP **200'** DIRECTION FROM OBSERVER
START **226°** STOP **226°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR
START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT:
NO YES IF WATER DROPLET PLUME:
ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **at crusher inlet and outlet area**

DESCRIBE BACKGROUND
START **Framework** STOP **Framework.**

BACKGROUND COLOR
START **tan** STOP **tan** SKY CONDITIONS
START **clear** STOP **clear**

WIND SPEED
START **0-2** STOP **0-2** WIND DIRECTION
START **VAR** STOP **VAR**

AMBIENT TEMP.
START **76** STOP **76** WET BULB TEMP **72** RH.percent **82**

Draw North Arrow

Sun Location Line

140°

Observers Positions

Plume and Stack

Wind →

Sun

Tertiary crusher

Primary crusher

conveyor belt

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
SEC	MIN	0	15	30	
2/16/09		08:11		08:41	
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	

COMMENTS

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SIGNATURE

TITLE

DATE

OBSERVER'S NAME (PRINT)
James D. Langston

OBSERVER'S SIGNATURE
James D. Langston

DATE
12/16/09

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA**

DATE **10/09**

gsk

JK
12/16/09

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M-50**

PROCESS EQUIPMENT **Circle** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **dp onto M-50 STOP from tertiary crusher.**

HEIGHT ABOVE GROUND LEVEL START **~3' STOP ~3'** HEIGHT RELATIVE TO OBSERVER START **~3' STOP ~3'**

DISTANCE FROM OBSERVER START **~200' STOP ~200'** DIRECTION FROM OBSERVER START **226° STOP 226°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **at dp to conveyor area**

DESCRIBE BACKGROUND
START **framework** STOP **framework**

BACKGROUND COLOR START **tan** STOP **tan** SKY CONDITIONS START **clear** STOP **clear**

WIND SPEED START **0-2** STOP **0-2** WIND DIRECTION START **VAR** STOP **VAR**

AMBIENT TEMP: START **76** STOP **76** WET BULB TEMP **76** RH. percent **82**

SEC MIN	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45			
1	0	0	0	0	09:10:11	09:10:54	
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			

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James D. Langston**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **SB3**

PROCESS EQUIPMENT **Surge Bin** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **Conveyor Belt to Bin / Same** STOP

HEIGHT ABOVE GROUND LEVEL START **50'** STOP **50'** HEIGHT RELATIVE TO OBSERVER START **50'** STOP **50'**

DISTANCE FROM OBSERVER START **110'** STOP **110'** DIRECTION FROM OBSERVER START **322°** STOP **322°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **drop point into Bin** STOP

DESCRIBE BACKGROUND
START **SKY** STOP **SKY**

BACKGROUND COLOR START **Blue** STOP **Blue** SKY CONDITIONS START **scath.** STOP **Scath.**

WIND SPEED START **0-3** STOP **0-3** WIND DIRECTION START **VAR.** STOP **VAR.**

AMBIENT TEMP: START **74** STOP **74** WET BULB TEMP **73** RH. percent **88**

Draw North Arrow

Diagram labels: Sun, Wind, Plume and Stack, Observers Positions, Sun Location Line, Emission Point, From crusher, G.

SEC MIN	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45	08:20	08:50	
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			

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **Glen A. Mayer**

OBSERVER'S SIGNATURE **Glen A. Mayer** DATE **12/14/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **C2**

PROCESS EQUIPMENT **Conveyor to crusher** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **bin discharge** STOP **to conveyor**

HEIGHT ABOVE GROUND LEVEL START **8'** STOP **8'** HEIGHT RELATIVE TO OBSERVER START **8'** STOP **8'**

DISTANCE FROM OBSERVER START **110'** STOP **110'** DIRECTION FROM OBSERVER START **322°** STOP **322°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **transfer point** STOP **to belt**

DESCRIBE BACKGROUND
START **Rock Pile** STOP **Same**

BACKGROUND COLOR START **TAN** STOP **TAN** SKY CONDITIONS START **Scat.** STOP **Scat.**

WIND SPEED START **0-3** STOP **0.3** WIND DIRECTION START **VAR** STOP **VAR**

AMBIENT TEMP. START **74** STOP **74** WET BULB TEMP **73** RH, percent **88**

Draw North Arrow

Diagram labels: Emission Point, Observers Positions, Sun Location Line, Sun, Wind, Plume and Stack, 140°.

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09	08:20	08:50				
SE0						
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		
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		

COMMENTS

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TITLE DATE

OBSERVER'S NAME (PRINT) **Glen A. Harv**

OBSERVER'S SIGNATURE **Glen A. Harv** DATE

ORGANIZATION **HOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **CRI**

PROCESS EQUIPMENT **ANA CRY Secondary Crusher** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **Round Crusher** STOP **Same**

HEIGHT ABOVE GROUND LEVEL START **5-15'** STOP **5-15'** HEIGHT RELATIVE TO OBSERVER START **5-15'** STOP **5-15'**

DISTANCE FROM OBSERVER START **40'** STOP **40'** DIRECTION FROM OBSERVER START **208°** STOP **208°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

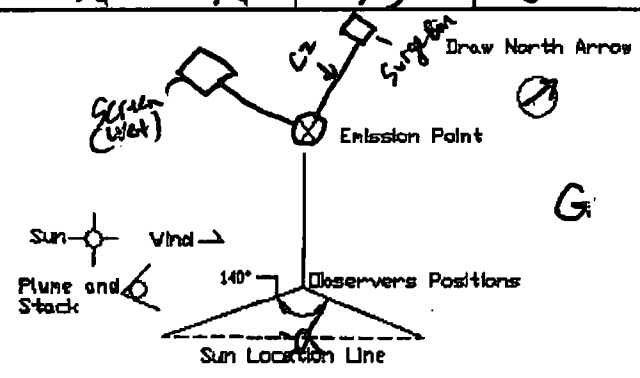
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **Crusher inlet & outlet** STOP **Same**

DESCRIBE BACKGROUND
START **Steel Gunders** STOP **Same**

BACKGROUND COLOR START **TAN** STOP **TAN** SKY CONDITIONS START **Scatt.** STOP **Scatt.**

WIND SPEED START **0-3** STOP **0-3** WIND DIRECTION START **VAR** STOP **VAR**

AMBIENT TEMP: START **76** STOP **76** WET BULB TEMP **79** RH. percent **88**



OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	MIN	0	15	30	45	
12/16/09	08	20	08	50		
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		
18	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		

COMMENTS
Observations also include point C4
Wash screen conveyor (Crusher outlet)

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TITLE DATE

OBSERVER'S NAME (PRINT) **Glen A. Haven**

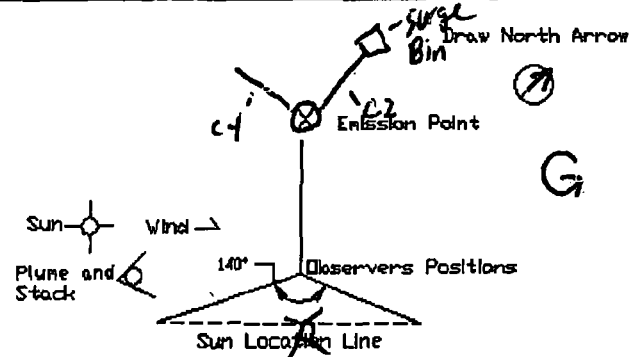
OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOUGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

Crusher is a wet operation

SOURCE NAME White Rock Quarries	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305 822 5300	SOURCE ID NUMBER C4
PROCESS EQUIPMENT Wash Screen conveyor	OPERATING MODE
CONTROL EQUIPMENT None	OPERATING MODE N/A
DESCRIBE EMISSION POINT START transfer point from crusher to belt STOP	
HEIGHT ABOVE GROUND LEVEL START 5' STOP 5'	HEIGHT RELATIVE TO OBSERVER START 5' STOP 5'
DISTANCE FROM OBSERVER START 40' STOP 40'	DIRECTION FROM OBSERVER START 208° STOP 208°
DESCRIBE EMISSIONS START clear/hazy STOP same	
EMISSION COLOR START None STOP None	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START transfer point from crusher to belt STOP	
DESCRIBE BACKGROUND START Steel + ground STOP same	
BACKGROUND COLOR START TAN STOP TAN	SKY CONDITIONS START scatt. STOP scatt.
WIND SPEED START 0-3 STOP 0-3	WIND DIRECTION START VAR. STOP VAR.
AMBIENT TEMP: START 76 STOP 76	WET BULB TEMP 73 RH. percent 88%



OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
12/16/09		08:20		08:50	
SEC MIN	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	
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	

COMMENTS	OBSERVER'S NAME (PRINT) Glen A. Haven
	OBSERVER'S SIGNATURE <i>Glen A. Haven</i> DATE 12/16/09
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TITLE	CERTIFIED BY ETA DATE 10/09

dh

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** Bin 101

PROCESS EQUIPMENT Storage Bin 101 **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START Grey Bin fed by m214 / same **STOP**

HEIGHT ABOVE GROUND LEVEL **START** 40' **STOP** 40' **HEIGHT RELATIVE TO OBSERVER** **START** 40' **STOP** 40'

DISTANCE FROM OBSERVER **START** 80' **STOP** 80' **DIRECTION FROM OBSERVER** **START** 240' **STOP** 240'

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR **START** None **STOP** None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

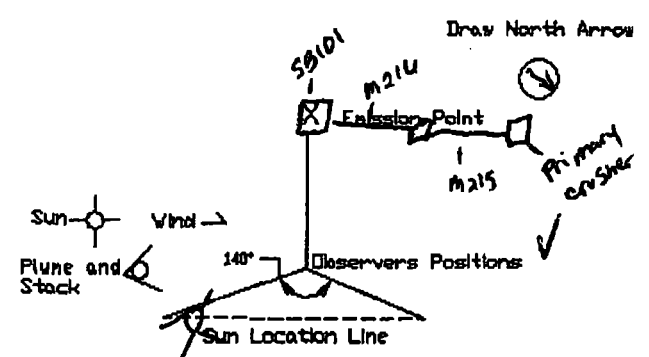
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START Drop point into Bin / same **STOP**

DESCRIBE BACKGROUND
START SKY **STOP** SKY

BACKGROUND COLOR **START** Blue **STOP** Blue **SKY CONDITIONS** **START** Scatt **STOP** Scatt.

WIND SPEED **START** 1-3 **STOP** 1-3 **WIND DIRECTION** **START** East **STOP** East

AMBIENT TEMP: **START** 80 **STOP** 80 **WET BULB TEMP** 77 **RH. percent** 88%



OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09	08:57				09:29	
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		
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21	0	0	0	0		
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		

COMMENTS

OBSERVER'S NAME (PRINT) Glen A. Haven

OBSERVER'S SIGNATURE *Glen A. Haven* **DATE** 12/16/09

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ORGANIZATION KOGLER AND ASSOCIATES, INC.

TITLE **DATE**

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **Bin 102**

PROCESS EQUIPMENT **Storage Bin 102** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START STOP

HEIGHT ABOVE GROUND LEVEL START **70'** STOP **70'** HEIGHT RELATIVE TO OBSERVER START **70'** STOP **70'**

DISTANCE FROM OBSERVER START **30'** STOP **30'** DIRECTION FROM OBSERVER START **28°** STOP **28°**

DESCRIBE EMISSIONS
START **clear/none** STOP **none**

EMISSION COLOR START **none** STOP **none** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **drop point** STOP **into Bin**

DESCRIBE BACKGROUND
START **sky** STOP **sky**

BACKGROUND COLOR START **blue** STOP **blue** SKY CONDITIONS START **scat.** STOP **scat**

WIND SPEED START **1-3** STOP **1-3** WIND DIRECTION START **East** STOP **East**

AMBIENT TEMP: START **79** STOP **79** WET BULB TEMP **77** RH.percent **91%**

OBSERVATION MIN	OBSERVATION DATE				START TIME	STOP 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			
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16	0	0	0	0			
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18	0	0	0	0			
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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			

COMMENTS

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OBSERVER'S NAME (PRINT) **Glen A. Haven**

OBSERVER'S SIGNATURE **Glen A. Haven** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** Bin 103

PROCESS EQUIPMENT Storage Bin 103 **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START Larger of 2 bins **STOP** above 3 crushers / same

HEIGHT ABOVE GROUND LEVEL
START 70" **STOP** 70" **HEIGHT RELATIVE TO OBSERVER**
START 70" **STOP** 70"

DISTANCE FROM OBSERVER
START 100' **STOP** 100' **DIRECTION FROM OBSERVER**
START 20° **STOP** 20°

DESCRIBE EMISSIONS
START clear/none **STOP** same

EMISSION COLOR
START none **STOP** none

PLUME TYPE: CONTINUOUS
 FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES
IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START Drop point into Bin / same **STOP**

DESCRIBE BACKGROUND
START SKY **STOP** SKY

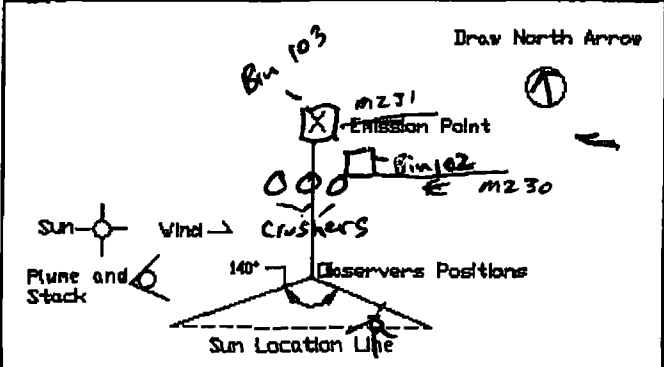
BACKGROUND COLOR
START Blue **STOP** Blue

SKY CONDITIONS
START Scat **STOP** Scat-

WIND SPEED
START 1-3 **STOP** 1-3

WIND DIRECTION
START East **STOP** East

AMBIENT TEMP: **START** 79 **STOP** 79 **WET BULB TEMP** 77 **RH, percent** 91%



OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
12/16/09		09:55		10:25	
SE0 MIN	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	
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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	

COMMENTS

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DATE

OBSERVER'S NAME (PRINT) Glen A. Haven

OBSERVER'S SIGNATURE *Glen A. Haven* **DATE** 12/16/09

ORGANIZATION KOUGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M210

PROCESS EQUIPMENT Feeder **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START at bin hopper into feeder

HEIGHT ABOVE GROUND LEVEL
START ~30 **STOP** ~30 **HEIGHT RELATIVE TO OBSERVER**
START ~30 **STOP** ~30

DISTANCE FROM OBSERVER
START ~100' **STOP** ~100' **DIRECTION FROM OBSERVER**
START 210° **STOP** 210°

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR
START None **STOP** None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at feeder inlet area

DESCRIBE BACKGROUND
START framework for crusher/grizzly

BACKGROUND COLOR
START grey **STOP** grey **SKY CONDITIONS**
START clear **STOP** clear

WIND SPEED
START 3-5 **STOP** 3-5 **WIND DIRECTION**
START E **STOP** E

AMBIENT TEMP: **START** 79 **STOP** 79 **WET BULB TEMP** 73 **RH, percent** 75

bin 101
m-216
mass grizzly feeder
hopper
Emission Point
Sun
Wind
Plume and Stack
140°
Observers Positions
Sun Location Line
Draw North Arrow

OBSERVATION	DATE				START TIME	STOP TIME	COMMENTS
	MIN	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			
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			

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) James D. Laughton

OBSERVER'S SIGNATURE [Signature] **DATE** 12/16/09

ORGANIZATION KOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

844

9/14

SOURCE NAME White Rock Quarries, Inc.	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER M211
PROCESS EQUIPMENT Grizzly	OPERATING MODE
CONTROL EQUIPMENT None	OPERATING MODE N/A
DESCRIBE EMISSION POINT START at top of grizzly from feeder	
HEIGHT ABOVE GROUND LEVEL START 40' STOP 42'	HEIGHT RELATIVE TO OBSERVER START -30' STOP -30'
DISTANCE FROM OBSERVER START 100' STOP 100'	DIRECTION FROM OBSERVER START 220' STOP 220'
DESCRIBE EMISSIONS START None STOP None	
EMISSION COLOR START None STOP None	PLUME TYPE: CONTINUOUS <input checked="" type="checkbox"/> FUGITIVE <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START at top of grizzly area	
DESCRIBE BACKGROUND START Framework for crusher & grizzly	
BACKGROUND COLOR START gray STOP gray	SKY CONDITIONS START clear STOP clear
WIND SPEED START 35 STOP 35	WIND DIRECTION START E STOP E
AMBIENT TEMP. START 79 STOP 79	WET BULB TEMP 73 RH. percent 75

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09				0845	0915	
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		

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James D Langston**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M212

PROCESS EQUIPMENT Primary crusher (Ganvik) **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START of into and out of the crusher. **STOP**

HEIGHT ABOVE GROUND LEVEL **START** 45' **STOP** 45' **HEIGHT RELATIVE TO OBSERVER** **START** 45' **STOP** 45'

DISTANCE FROM OBSERVER **START** 100' **STOP** 100' **DIRECTION FROM OBSERVER** **START** 210' **STOP** 210'

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR **START** None **STOP** None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at crusher inlet and outlet. **STOP**

DESCRIBE BACKGROUND
START framework for crusher assembly. **STOP**

BACKGROUND COLOR **START** grey **STOP** grey **SKY CONDITIONS** **START** clear **STOP** clear.

WIND SPEED **START** 3-5 **STOP** 3-5 **WIND DIRECTION** **START** E **STOP** E

AMBIENT TEMP. **START** 79 **STOP** 79 **WET BULB TEMP** 83 **RH, percent** 75

OBSERVATION	DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45			
1	0	0	0	0	0845	0915	
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			

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) James D. Layton

OBSERVER'S SIGNATURE [Signature]

DATE 12/16/09

ORGANIZATION KOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA

DATE 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M215

PROCESS EQUIPMENT Primary Crusher Discharge Conveyor **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START Crusher exit **STOP** onto Belt M215

HEIGHT ABOVE GROUND LEVEL
START 6' **STOP** 6' **HEIGHT RELATIVE TO OBSERVER**
START 6' **STOP** 6'

DISTANCE FROM OBSERVER
START 80' **STOP** 80' **DIRECTION FROM OBSERVER**
START 310° **STOP** 310°

DESCRIBE EMISSIONS
START Clear/None **STOP** None

EMISSION COLOR
START None **STOP** None

PLUME TYPE: CONTINUOUS
 FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES
IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START transfer point from crusher to belt **STOP**

DESCRIBE BACKGROUND
START Steel **STOP** Steel

BACKGROUND COLOR
START grey **STOP** grey

SKY CONDITIONS
START scatt **STOP** scatt

WIND SPEED
START 1-3 **STOP** 1-3

WIND DIRECTION
START East **STOP** East

AMBIENT TEMP:
START 80 **STOP** 80

WET BULB TEMP 77 **RH. percent** 88%

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09	08:59				09:29	
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		
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14	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		

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) Glen A. Haven

OBSERVER'S SIGNATURE *Glen A. Haven* **DATE** 12/16/09

ORGANIZATION KOUGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.	
ADDRESS 18300 NW 122nd Ave.	
Dade County	
CITY Miami	STATE FL ZIP 33015
PHONE 305-822-5322	SOURCE ID NUMBER M214
PROCESS EQUIPMENT Surge Air Rodded Stack conveyor	OPERATING MODE
CONTROL EQUIPMENT None	OPERATING MODE N/A
DESCRIBE EMISSION POINT START Transfer point between belts / same	
HEIGHT ABOVE GROUND LEVEL START 8' STOP 8'	HEIGHT RELATIVE TO OBSERVER START 8' STOP 8'
DISTANCE FROM OBSERVER START 60' STOP 60'	DIRECTION FROM OBSERVER START 287° STOP 287°
DESCRIBE EMISSIONS START None STOP None	
EMISSION COLOR START None STOP None	PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input checked="" type="checkbox"/> INTERMITTENT <input type="checkbox"/>
WATER DROPLETS PRESENT: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START Transfer point STOP Same	
DESCRIBE BACKGROUND START Steel STOP Steel	
BACKGROUND COLOR START TAN STOP TAN	SKY CONDITIONS START scat STOP scat
WIND SPEED START 1-3 STOP 1-3	WIND DIRECTION START East STOP East
AMBIENT TEMP: START 80 STOP 80	WET BULB TEMP 77 RH percent 88%
<p style="text-align: right;">Draw North Arrow</p> <p style="text-align: center;">Sun - Wind →</p> <p style="text-align: center;">Plume and Stack ← 140° Observers Positions</p> <p style="text-align: center;">Sun Location Line</p> <p style="text-align: center;">M214 m215</p> <p style="text-align: center;">Emission Point</p> <p style="text-align: center;">Primary Crusher (sandwich)</p>	

OBSERVATION	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45			
1	0	0	0	0	08:59	09:29	
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			

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

TITLE _____ DATE _____

OBSERVER'S NAME (PRINT) **J. Haven**

OBSERVER'S SIGNATURE *J. Haven* DATE **12/16/09**

ORGANIZATION **KOUGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M-221**

PROCESS EQUIPMENT **Belt Transfer** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **of from bin 101 STOP M-221**

HEIGHT ABOVE GROUND LEVEL START **43' STOP 43'** HEIGHT RELATIVE TO OBSERVER START **3' STOP 3'**

DISTANCE FROM OBSERVER START **300' STOP 430'** DIRECTION FROM OBSERVER START **330 STOP 330**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **at 2 to belt area**

DESCRIBE BACKGROUND
START **file** STOP **file**

BACKGROUND COLOR START **tan** STOP **tan** SKY CONDITIONS START **clear** STOP **clear**

WIND SPEED START **3-5** STOP **3-5** WIND DIRECTION START **E** STOP **E**

AMBIENT TEMP: START **82** STOP **82** WET BULB TEMP **76** RH percent **76**

OBSERVATION DATE	START TIME		STOP TIME		COMMENTS
	0	15	30	45	
12/16/09	09	20	09	50	
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	

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James D. Longster**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

gk.

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M223**

PROCESS EQUIPMENT **Scalping Screen- feed conveyor** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **from M221 STOP to M223 belt.**

HEIGHT ABOVE GROUND LEVEL START **26'** STOP **25'** HEIGHT RELATIVE TO OBSERVER START **26'** STOP **25'**

DISTANCE FROM OBSERVER START **200'** STOP **200'** DIRECTION FROM OBSERVER START **250'** STOP **250'**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **at 20 to belt area**

DESCRIBE BACKGROUND
START **sky** STOP **sky**

BACKGROUND COLOR START **blue** STOP **blue** SKY CONDITIONS START **clear** STOP **clear**

WIND SPEED START **3-5** STOP **3-5** WIND DIRECTION START **E** STOP **E**

AMBIENT TEMP: START **82** STOP **82** WET BULB TEMP **76** RH.percent **76**

Draw North Arrow

123
M221
Emission Point
bin 101

Sun
Wind →
Plume and Stack
140°
Observers Positions
Sun Location Line

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
12/16/09		0920		0950	
SEC MIN	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	
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	

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James O. Longsta**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M 241

PROCESS EQUIPMENT Secondary (air) crusher (120) **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START of into and out of one crusher from M240 bin 2

HEIGHT ABOVE GROUND LEVEL **START** ~15' **STOP** ~15' **HEIGHT RELATIVE TO OBSERVER** **START** ~15' **STOP** ~15'

DISTANCE FROM OBSERVER **START** ~50' **STOP** ~50' **DIRECTION FROM OBSERVER** **START** 30' **STOP** 30'

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR **START** None **STOP** None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at crusher area

DESCRIBE BACKGROUND
START frame work for crusher

BACKGROUND COLOR **START** tan **STOP** tan **SKY CONDITIONS** **START** clear **STOP** clear

WIND SPEED **START** 3-5 **STOP** 3-5 **WIND DIRECTION** **START** E **STOP** E

AMBIENT TEMP: **START** 81 **STOP** 81 **WET BULB TEMP** 74 **RH, percent** 72

bin 103
 Draw North Arrow
 271
 266 266
 241
 Sun Location Line
 140°
 Observers Positions
 Sun
 Wind
 Plume and Stack

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS	
12/16/09		0955		1025		
SEC	MIN	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	
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	

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) James P. Langston

OBSERVER'S SIGNATURE [Signature] **DATE** 12/16/09

ORGANIZATION KODGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M 246

PROCESS EQUIPMENT Secondary Cone Crusher **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START *at intake out of cone crusher* **STOP**

HEIGHT ABOVE GROUND LEVEL
START 25' **STOP** 45' **HEIGHT RELATIVE TO OBSERVER**
START -25' **STOP** -25'

DISTANCE FROM OBSERVER
START ~100' **STOP** ~100' **DIRECTION FROM OBSERVER**
START 30° **STOP** 30°

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR
START None **STOP** None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at crusher intake **STOP**

DESCRIBE BACKGROUND
START Framework **STOP** Same

BACKGROUND COLOR
START tan **STOP** tan **SKY CONDITIONS**
START Clear **STOP** clear

WIND SPEED
START 3-5 **STOP** 3-5 **WIND DIRECTION**
START E **STOP** E

AMBIENT TEMP: **START** 83 **STOP** 83 **WET BULB TEMP** 76 **RH, percent** 73

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
SE0 MIN					
12/16/09		10:27		10:57	
	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	
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	

COMMENTS
observation point noted, not where "x" is marked.

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TITLE **DATE**

OBSERVER'S NAME (PRINT)
Tanya J. Taylor

OBSERVER'S SIGNATURE **DATE**
Tanya J. Taylor 12/16/09

ORGANIZATION KOOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M255

PROCESS EQUIPMENT Conveyor to 256 **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START from 203 to 255 **STOP** 255

HEIGHT ABOVE GROUND LEVEL
START 15' **STOP** 15' **HEIGHT RELATIVE TO OBSERVER**
START 15' **STOP** 15'

DISTANCE FROM OBSERVER
START -50' **STOP** -50' **DIRECTION FROM OBSERVER**
START 30 **STOP** 30

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR
START None **STOP** None **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

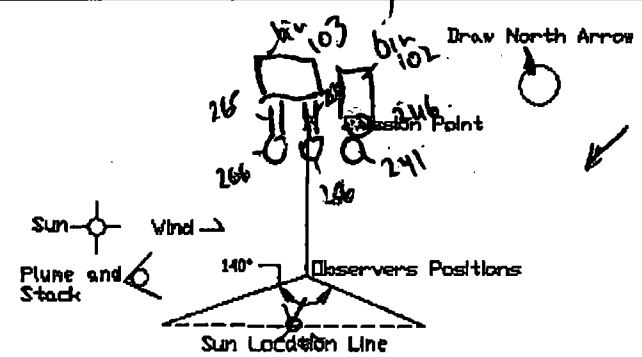
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START at 01 to conveyor area **STOP**

DESCRIBE BACKGROUND
START bin wall **STOP** fence

BACKGROUND COLOR
START grey **STOP** grey **SKY CONDITIONS**
START clear **STOP** clear

WIND SPEED
START 3-5 **STOP** 3-5 **WIND DIRECTION**
START E **STOP** E

AMBIENT TEMP:
START 81 **STOP** 81 **WET BULB TEMP** 74 **RH. percent** 72



OBSERVATION	OBSERVATION DATE				START TIME	STOP TIME
	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	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		

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) James D. Langston

OBSERVER'S SIGNATURE [Signature] **DATE** 12/16/09

ORGANIZATION KOOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

gdk

8.2

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.
Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M76

PROCESS EQUIPMENT *Secondary Crusher Impact* **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START *point outlet of crusher house (bss to 0271)* **STOP**

HEIGHT ABOVE GROUND LEVEL
START *~10* **STOP** *~10* **HEIGHT RELATIVE TO OBSERVER**
START *~10* **STOP** *~10*

DISTANCE FROM OBSERVER
START *~50'* **STOP** *~50'* **DIRECTION FROM OBSERVER**
START *30°* **STOP** *30°*

DESCRIBE EMISSIONS
START *None* **STOP** *None*

EMISSION COLOR *None* **STOP** *None* **PLUME TYPE:** CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START *at crusher inlet and outlet.* **STOP**

DESCRIBE BACKGROUND
START *francisco k for crushers* **STOP**

BACKGROUND COLOR *tan* **STOP** *tan* **SKY CONDITIONS** *clear* **STOP** *clear.*

WIND SPEED *3-5* **STOP** *3-5* **WIND DIRECTION** *E* **STOP** *E*

AMBIENT TEMP: *81* **STOP** *81* **WET BULB TEMP** *74* **RH, percent** *72*

Diagrams: Sun location line, observers positions, wind direction, emission point, and stack details.

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS	
	SEC	MIN	0	15			30
12/16/09					09:55	10:25	
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			

COMMENTS

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TITLE **DATE**

OBSERVER'S NAME (PRINT) James D. Langston

OBSERVER'S SIGNATURE *James D. Langston* **DATE** 12/16/09

ORGANIZATION KOOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M260**

PROCESS EQUIPMENT **CB to crusher 261** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **at dp to cb STOP bin 103.**

HEIGHT ABOVE GROUND LEVEL
START **115'** STOP **115'** HEIGHT RELATIVE TO OBSERVER
START **115'** STOP **115'**

DISTANCE FROM OBSERVER
START **100'** STOP **100'** DIRECTION FROM OBSERVER
START **30°** STOP **30°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR
START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT:
NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **at dp to belt STOP**

DESCRIBE BACKGROUND
START **framework** STOP **Same**

BACKGROUND COLOR
START **tan** STOP **tan** SKY CONDITIONS
START **clear** STOP **clear**

WIND SPEED
START **3-5** STOP **3-5** WIND DIRECTION
START **E** STOP **E**

AMBIENT TEMP:
START **83** STOP **83** WET BULB TEMP **76** RH.percent **73**

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
SE0 MIN					
12/16/09		1027		1057	
	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	
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	

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James P. Lydon**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M261**

PROCESS EQUIPMENT **CB to Crusher 261** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
 START **up into air outlet of crusher.** STOP

HEIGHT ABOVE GROUND LEVEL
 START **~15'** STOP **~15'** HEIGHT RELATIVE TO OBSERVER
 START **~15'** STOP **~15'**

DISTANCE FROM OBSERVER
 START **~100'** STOP **~100'** DIRECTION FROM OBSERVER
 START **90** STOP **30**

DESCRIBE EMISSIONS
 START **None** STOP **None**

EMISSION COLOR
 START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT:
 NO YES IF WATER DROPLET PLUME:
 ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
 START **at crusher inlet/outlet.** STOP

DESCRIBE BACKGROUND
 START **Same** STOP **Same**

BACKGROUND COLOR
 START **tan** STOP **tan** SKY CONDITIONS
 START **clear** STOP **clear**

WIND SPEED
 START **3-5** STOP **3-5** WIND DIRECTION
 START **E** STOP **E**

AMBIENT TEMP:
 START **83** STOP **83** WET BULB TEMP **76** RH. percent **73**

The diagram shows two crushers labeled 'crushers' with an 'Emission Point' between them. A north arrow is drawn. The sun is located at a 140-degree angle from the observer's position. Wind is blowing from the left. The observer's position is marked with a circle and 'Observers Positions'.

OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
SEC	MIN	0	15	30	
12/16/09		10:27		10:57	
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	

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **James P. Lagoda**

OBSERVER'S SIGNATURE **[Signature]** DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M265

PROCESS EQUIPMENT Conveyor to crusher **OPERATING MODE**

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START Discharge from Bin 103 to Crusher **STOP**

HEIGHT ABOVE GROUND LEVEL
START 20' **STOP** 20' **HEIGHT RELATIVE TO OBSERVER**
START 20' **STOP** 20'

DISTANCE FROM OBSERVER
START 160' **STOP** 160' **DIRECTION FROM OBSERVER**
START 340° **STOP** 340°

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR
START None **STOP** None

PLUME TYPE CONTINUOUS
 FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES
IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START transfer point from Bin to Belt **STOP**

DESCRIBE BACKGROUND
START Bin **STOP** Bin

BACKGROUND COLOR
START gray **STOP** gray

SKY CONDITIONS
START Scatth **STOP** scatth

WIND SPEED
START 1-3 **STOP** 1-3

WIND DIRECTION
START East **STOP** East

AMBIENT TEMP: **START** 83 **STOP** 83 **WET BULB TEMP** 76 **RH. percent** 73

OBSERVATION MIN	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45	10:35	11:05	
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			

COMMENTS

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DATE

OBSERVER'S NAME (PRINT) Glen A. Haven

OBSERVER'S SIGNATURE *Glen A. Haven* **DATE** 12/16/09

ORGANIZATION KOUGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME White Rock Quarries, Inc.

ADDRESS 18300 NW 122nd Ave.

Dade County

CITY Miami **STATE** FL **ZIP** 33015

PHONE 305-822-5322 **SOURCE ID NUMBER** M266

PROCESS EQUIPMENT 246 Secondary Crusher **OPERATING MODE** ~~fact~~

CONTROL EQUIPMENT None **OPERATING MODE** N/A

DESCRIBE EMISSION POINT
START Westernmost of 3 crushers near Bin 102+103

HEIGHT ABOVE GROUND LEVEL **START** 12' **STOP** 12' **HEIGHT RELATIVE TO OBSERVER** **START** 12' **STOP** 12'

DISTANCE FROM OBSERVER **START** 30' **STOP** 30' **DIRECTION FROM OBSERVER** **START** 2°N **STOP** 2°N

DESCRIBE EMISSIONS
START None **STOP** None

EMISSION COLOR **START** None **STOP** None

PLUME TYPE: CONTINUOUS **FUGITIVE** INTERMITTENT

WATER DROPLETS PRESENT: NO YES

IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START Inlet and outlet to crusher **STOP**

DESCRIBE BACKGROUND
START Steel **STOP** steel

BACKGROUND COLOR **START** grey **STOP** grey

SKY CONDITIONS **START** scatt **STOP** scatt.

WIND SPEED **START** 1-3 **STOP** 1-3

WIND DIRECTION **START** East **STOP** East

AMBIENT TEMP. **START** 79 **STOP** 79

WET BULB TEMP 77 **RH, percent** 91%

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/16/09	09:55				10:25	
	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		
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		

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) Glen A. Haven

OBSERVER'S SIGNATURE *Glen A. Haven* **DATE** 12/16/09

ORGANIZATION KOGLER AND ASSOCIATES, INC.

CERTIFIED BY ETA **DATE** 10/09

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M271 R**

PROCESS EQUIPMENT **Scalping Screen Conveyor** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **crusher discharge** STOP **to Belt**

HEIGHT ABOVE GROUND LEVEL START **5'** STOP **5'** HEIGHT RELATIVE TO OBSERVER START **5'** STOP **5'**

DISTANCE FROM OBSERVER START **40'** STOP **40'** DIRECTION FROM OBSERVER START **338°** STOP **338°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **transfer point** STOP **from Crusher to Belt**

DESCRIBE BACKGROUND
START **Steel** STOP **Steel**

BACKGROUND COLOR START **gray** STOP **gray** SKY CONDITIONS START **scatt** STOP **scatt**

WIND SPEED START **1-3** STOP **1-3** WIND DIRECTION START **East** STOP **East**

AMBIENT TEMP: START **83** STOP **83** WET BULB TEMP **76** RH. percent **73%**

The diagram shows a site layout with an 'Emission Point' labeled 'M271'. Two 'Observers Positions' are marked with '1' and '2'. A 'Sun Location Line' is drawn at a 140-degree angle from the observer positions. A 'Plume and Stack' is indicated. Wind direction is shown as 'Wind ->'. Other features include 'Bin 102', 'Bin 103', and 'Draw North Arrow'.

OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
12/14/09	10:35	11:05				
MIN	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		
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		

COMMENTS

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TITLE

DATE

OBSERVER'S NAME (PRINT) **J. Glen de Haven**

OBSERVER'S SIGNATURE **J. Glen de Haven** DATE **12/14/09**

ORGANIZATION **KOUGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**

SOURCE NAME **White Rock Quarries, Inc.**

ADDRESS **18300 NW 122nd Ave.**

Dade County

CITY **Miami** STATE **FL** ZIP **33015**

PHONE **305-822-5322** SOURCE ID NUMBER **M 291** *Let*

PROCESS EQUIPMENT **Scalping Screen discharge conveyor** OPERATING MODE

CONTROL EQUIPMENT **None** OPERATING MODE **N/A**

DESCRIBE EMISSION POINT
START **3 crushers discharge to belt** STOP

HEIGHT ABOVE GROUND LEVEL START **5'** STOP **5'** HEIGHT RELATIVE TO OBSERVER START **5'** STOP **5'**

DISTANCE FROM OBSERVER START **40'** STOP **40'** DIRECTION FROM OBSERVER START **328°** STOP **329°**

DESCRIBE EMISSIONS
START **None** STOP **None**

EMISSION COLOR START **None** STOP **None** PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: **NO** YES IF WATER DROPLET PLUME: ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START **Transfer point** STOP **from crusher belt**

DESCRIBE BACKGROUND
START **Steel** STOP **Steel**

BACKGROUND COLOR START **grey** STOP **grey** SKY CONDITIONS START **scatt** STOP **scatt.**

WIND SPEED START **1-3** STOP **1-3** WIND DIRECTION START **EAST** STOP **EAST**

AMBIENT TEMP: START **83** STOP **83** WET BULB TEMP **76** RH. percent **73%**

COMMENTS

OBSERVATION MIN	OBSERVATION DATE				START TIME	STOP 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			
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) **Glen A. Haven**

OBSERVER'S SIGNATURE *Glen A. Haven* DATE **12/16/09**

ORGANIZATION **KOGLER AND ASSOCIATES, INC.**

CERTIFIED BY **ETA** DATE **10/09**