

**INSPECTION REPORT
AIR POLLUTANT EMISSION SOURCES**

FACILITY Florida Rock Limestone Grinding Plant at Brooksville Quarry		DISTRICT Southwest	COUNTY Hernando
ADDRESS 155 East 21 st St		CONTACT(S)	
AIRS ID# 0530050	PERMIT # 0530050-015-AO	EXPIRATION DATE 2/26/14	ARMS ENTRY DATE 5/28/09
SOURCE DESCRIPTION Limestone pulverizing and drying with truck loadout.			
INSPECTION DATE 5/28/09		AUDIT TYPE INS3	COMPLIANCE STATUS
INSPECTION FINDINGS			
PARAMETER	ALLOWED VALUE	OBSERVATION	
SC 4. Operating Hours	EU 008—4400 hrs/consecutive 12 mos. Other EUs—continuous operation	In compliance.	
SC 5. Throughput Rates	<ul style="list-style-type: none"> a. 250 tph for power screen and both crushing operations b. 85 tph for drying and processing wet limestone c. 613200 tons/12 mos. for any operation d. 5 tph (monthly avg) for classifying ops. e. 110 tph (monthly avg) for bulk loading f. 20 tph for bagging ops. 	In compliance with each condition based on provided records. Instantaneous data was not available.	
SC 6. Air Heater Fuels	Only permitted to use nat gas, No. 2, 4, or 5 fuels. Fuel oil sulfur content not to exceed .5% for No. 2 and 1% for Nos. 4 and 5. Nat gas firing rate shall not exceed 208.6 MMcf per consec. 12 mos. No. 2, 1,553,200 gal/12 mos. No. 4 or 5, 1,489,200 gal/12 mos.	Facility uses only natural gas. Reviewed last 4 months of fuel usage. Reported in dekatherms, NG is assumed 1,000 BTU/ft ³ . Dekatherm = 1,000,000 BTUs. About 31.1 MMcf for calendar third. Jan 09 – 8402, 8.402 MMcf Feb 09 – 6722, 6.722 MMcf Mar 09 – 7862, 7.862 MMcf Apr 09 – 8169, 8.169 MMcf	
SC 7. EU 008 Fuel use and specs	Can only use No. 2 Shall not exceed .5% sulfur by weight. Shall not exceed 26,400 gal/consec 12 mos.	Not observed.	
SC 8. Circumvention of pollution control equipment.	Facility shall not circumvent equipment designed to control pollution.	In compliance. Baghouse operational and in use.	
SC 9. Truck loading.	Only enclosed trucks shall be loaded.	In compliance. Observed 3 trucks loaded, all were enclosed tank design.	
SC 12 General VE Standard	20% limit on all VEs not generated by a source covered under this permit or applicable subpart.	In compliance. It was very rainy during the inspection, and no VEs were observed.	
SC 14. Unconfined emissions of PM		In compliance.	
SC 34. Operating rate records	32 requirements for daily and monthly records.	Records are maintained in a computer database and were generated upon request. Filed in compliance file along with this report.	

SC 36. Records for EU 008 Temporary Use Crusher	9 requirements.	These records were not observed during inspection.
SC 37. Records for EU 009 Scalping Power Screen.	6 requirements.	Records were not being kept. Unit has not been used yet according to Ryan Dearling. Unit will be operated by contractor when on site.
SC 38. Records of reasonable precautions to control fugitive dust		Records were not reviewed.
SC 40. SSM records	Maintain record of occurrence, duration of any SSM event.	Records were not reviewed.

COMMENTS

Regular facility contact, Jake Sauer, was not on site during inspection due to serious illness. Plant is being operated on an interim basis by Ryan Dearling. I was also assisted by Karen. Rodney Paul of Koogler and Associates was on site conducting annual compliance testing. It was very rainy during my visit, and it was not certain if testing would be completed today or would carry over until tomorrow. I did not observe any VEs from any stack or pollution control equipment, including truck loadout.

INSPECTOR(S) NAME(S): Max Grondahl

SIGNATURE(S)



DATE

5-29-09

A1
A6
A7

Florida Rock Industries, Inc.-Brooksville Grinding Plant
DAILY

Date	Primary Crushing (tonnes)	Portable / Temporary Crushing (tonnes)	Screens (tonnes)	Milling/Drives (tonnes)
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0
5	60.0	1.0	0.0	0.0
6	1750.0	24.0	0.0	0.0
7	1600.0	21.9	0.0	0.0
8	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0
11	725.0	9.5	0.0	0.0
12	1750.0	24.0	0.0	0.0
13	1225.0	16.8	0.0	0.0
14	1750.0	24.0	0.0	0.0
15	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0
18	725.0	9.5	0.0	0.0
19	1600.0	21.7	0.0	0.0
20	1500.0	19.8	0.0	0.0
21	250.0	3.4	0.0	0.0
22	1175.0	15.3	0.0	0.0
23	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0
30	0.0	6.3	0.0	0.0
31	0.0	0.0	0.0	0.0
12-month Total	14110	197.2	0	0.0
12-month Average	455	6.4	0	0.0

Florida Rock Industries, Inc.-Brooksville Grinding Plant
MONTHLY

Month	Primary Crushing (tonnes)	Portable / Temporary Crushing (tonnes)	Screens (tonnes)	Milling/Drives (tonnes)	Fuel Use (tonnes)	Net use \$/TWh
Oct-07	28138	0	0	0	0	0
Nov-07	22595	0	0	0	0	0
Dec-07	13760	0	0	0	0	11197
Jan-08	14864	0	0	0	0	13904
Feb-08	14864	0	0	0	0	0
Mar-08	24156	0	0	0	0	0
Apr-08	21252	0	0	0	0	0
May-08	0	0	0	0	0	0
Jun-08	0	0	0	0	0	0
Jul-08	0	0	0	0	0	0
Aug-08	0	0	0	0	0	0
Sep-08	0	0	0	0	0	0
12-month Total	139786	714	0	0	0	24061
12-month Average	139786	714	0	0	0	24061

- Notes:
- No fuels except #2 and #4 fuel oil or natural gas have been used in the air heater in the last 12 months.
 - Material crushed, milled, and dried is recorded here as tons of wet limestone.
 - Monthly average processing limits are 250 tph (crushing) and 60 tph (milling/drying).
 - Annual average processing limits are 1,553,200 tonnes (#2 fuel oil) and 1,489,200 tonnes (#4 fuel oil).
 - Annual fuel use limits are 1,553,200 tonnes (#2 fuel oil) and 1,489,200 tonnes (#4 fuel oil).
 - Records of air-heated, fuel-oil sulfur content will be provided by the vendor and kept on file.
 - Sulfur content of #2 fuel oil will not exceed 0.5% by weight; sulfur content of #4 fuel oil will not exceed 1.0% by weight.

B2

202.1 - LOESCHE CLASSIFIER
MONTH/YEAR: APRIL 09

A9 →
A9 →

N9 →
N9 →

P10 →
N9 →

A9 →
A9 →

28-May-09 DATE	CLASSIFIER				3-Micron - Supersacks				3-Micron - 50 # Bag				3-Micron - Bulk			
	Runtime	Produced	TPH	Transferred	Beg Inv	End Inv.	Runtime	Produced	Shipped	Beg Inv	End Inv.	Runtime	Produced	Shipped	Beg Inv	End Inv.
1	0.0	0	-	0.00	0	0	0.0	0.00	0.00	0	0	0.0	0.00	0.00	0	0
2	0.0	0	-	0.00	0	0	0.0	0.00	0.00	0	0	0.0	0.00	0.00	0	0
3	0.0	0	-	0.00	0	0	0.0	0.00	0.00	0	0	0.0	0.00	0.00	0	0
4	0.0	0	-	0.00	0	0	0.0	0.00	0.00	0	0	0.0	0.00	0.00	0	0
5	0.0	0	-	0.00	0	0	0.0	0.00	0.00	0	0	0.0	0.00	0.00	0	0
6	13.9	30	2.2	20.00	10	10	0.0	20.00	0.00	194	194	0.0	0.00	0.00	0	0
7	17.8	36	2.0	36.00	10	10	0.0	36.00	0.00	214	214	0.0	0.00	0.00	0	0
8	0.0	0	-	0.00	10	10	0.0	0.00	0.00	250	250	0.0	0.00	0.00	0	0
9	0.0	0	-	0.00	10	10	0.0	0.00	0.00	250	250	0.0	0.00	0.00	0	0
10	0.0	0	-	0.00	10	10	0.0	0.00	0.00	250	250	0.0	0.00	0.00	0	0
11	8.3	18	2.2	5.00	10	23	0.0	5.00	47.50	203	203	0.0	0.00	0.00	0	0
12	8.3	18	2.2	5.00	23	41	0.0	5.00	47.50	208	208	0.0	0.00	0.00	0	0
13	4.6	10	2.2	0.00	41	51	0.0	0.00	46.25	160	160	0.0	0.00	0.00	0	0
14	18.5	40	2.2	0.00	51	91	0.0	0.00	95.00	114	114	0.0	0.00	0.00	0	0
15	0.0	0	-	0.00	91	91	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
16	0.0	0	-	0.00	91	91	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
17	0.0	0	-	0.00	91	91	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
18	6.7	14	2.1	0.00	91	105	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
19	20.0	40	2.0	0.00	105	145	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
20	12.9	30	2.3	0.00	145	175	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
21	3.0	6	2.0	0.00	175	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
22	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
23	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
24	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
25	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
26	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
27	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
28	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
29	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
30	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
31	0.0	0	-	0.00	181	181	0.0	0.00	0.00	19	19	0.0	0.00	0.00	0	0
TOTALS =	113.8	242	2.1				0.0	61.00	236.25			0.0	0.00	0.00		

↑
B4

