

$\frac{\textbf{NON-METALLIC MINERAL PROCESSING}}{\underline{\textbf{PLANTS}}}$



COMPLIANCE INSPECTION CHECKLIST

	NUAL (INS1, INS2)		AINT/DISCOVERY OMPLAINT NO:	(CI)
AIRS ID#: 7775301 DATE:	11/26/2008	ARRIVE:	12:00 PM	DEPART: <u>12:30 PM</u>
FACILITY NAME: CRUSH	CO / (DELRAY BEACH)			
FACILITY LOCATION:	721 NW 1st Ave			
	MIAMI 33136-4102			
OWNER/AUTHORIZED RI	EPRESENTATIVE: IVY	FRADIN	PHONE:	(561)715-0530
CONTACT NAME:			PHONE:	
ENTITLEMENT PERIOD:	10/10/2005 / 10/10/2010 (effective date) (end date)	10		
PART I: INSPECTION CO	MINOR Non-COMP			Non-COMPLIANCE
PART II: <u>DETERMINATIO</u> (check ☑ only <u>one</u> box)	ON OF FACILITY TYPE/	APPLICABI	<u>LITY</u>	
	ECT TO: (40 CFR Part 60, his category, answer all qu			n **•)
elevator, belt conveyor, b	agging operation, storage bit reduce the size of non-m	in, enclosed to ettalic minera	ruck or railcar loadi	nding mill, screening operation, buckering station, crushers & grinding mills acycled asphalt pavement & subsequent
	SUBJECT TO: (40 CFR I chis category, answer <u>all</u> qu			
grinding mills; facilities no sand & gravel plants, & cr plants, & crushed stone plant	ot subject to subparts F (Portushed stone plants w/capaci	tland Cement ties of 23 meg	Plants) or I (Hot Mi gagrams/hr (25 tons/	ning operations at plants w/o crushers of x Asphalt Facilities) of this part; <u>fixed</u> hr) or less; <u>portable</u> sand & gravel nmon clay plants, and pumice plants

PART III: EMISSION STANDARDS – Chapter 62-210.300(4)(c)5., F.A.C. (check ☑ appropriate box(es))	
Stack Emissions - 40 CFR Part 60, Subpart OOO adopted by reference Chapter 62-204.800, F.A.C. **1 Word visible stack emissions tests conducted during this site visit according to EDA Method 0 (40 CFR 60)	
**1. Were visible stack emissions tests conducted during this site visit according to EPA Method 9 (40 CFR 60, Appendix A)?	vas M Na
**2. Do stack emissions from any crusher, grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading station or any other affected emission point:	res 🔼 No
**a) exceed 7 % percent opacity?	Yes □ No
**b) exceed the particulate matter standard of <u>0.05</u> grams per dry standard cubic meter (g/dscm)?	
**3. Do stack emissions from any baghouse that controls emissions from only an individual, enclosed storage	ics 🔲 ivo
bin exceed 7 % percent opacity?	Yes No
<u>Visible Emissions</u> - 40 CFR Part 60, Subpart OOO adopted by reference Chapter 62-204.800, F.A.C.	
**1. Were visible emissions tests conducted during this site visit according to EPA Method 9 (40 CFR 60,	
Appendix A)?	Yes 🗵 No
**2. Do visible emissions from any:	
**a) grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation,	
storage bin, enclosed truck or railcar loading station or any other affected emission point exceed 10%	_
percent opacity?	
**b) crusher without a capture system, exceed 15 % opacity?	Yes 📙 No
3. Pursuant to subparagraph 62-296.320(4)(b)1., F.A.C., are visible emissions from any crusher, grinding,	
screening operation, bucket elevator, transfer points on belt conveyors, bagging operation, storage bin,	
enclosed truck or railcar loading station, or any other emission point NOT subject to 40 CFR Part 60,	
	Yes 🗌 No
Emission Points Enclosed in Buildings - 40 CFR Part 60, Subpart OOO adopted by reference Chapter 62-204	1.800, F.A.C.
**4. Is any crusher, grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging	
operation, storage bin, enclosed truck or railcar loading station, or any other affected emission point enclosed	
	Yes 🗌 No
**a) If enclosed in a building are the stack emissions discharged from a wet scrubbing control device? (<i>If</i>	
	Yes No
**b) If the stack emissions from enclosed emission points are not discharged from a wet scrubbing control device	
1) the particulate matter in excess of 0.05 grams per dry standard cubic meter (g/dscm)?	
2) the opacity greater than <u>7</u> % percent?	=
**c) Do the stack emissions from the baghouse(s) inside of the building(s) exceed 7/2% percent opacity?	Yes No
**5. Do visible emissions from any:	
**a) grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation,	
storage bin, enclosed truck or railcar loading station or any other affected emission point exceed 10%	
percent opacity?	
**b) crusher without a capture system, exceed 15 % opacity?	Yes 🗌 No
Wet Screening/Wet Mining Operations:	
**6. Are there any visible emissions discharges at the wet screening operations and subsequent screening	
operations, bucket elevators and belt conveyors that process saturated material in the production line up to	_
the next crusher, grinding mill, or storage bin?	Yes No
**7. Are there any visible emissions discharges at the screening operations, bucket elevators, and belt conveyors	
in the production line downstream of wet mining operations, where such screening operations, bucket	
elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin	_
in the production line?	Yes 🗌 No

PART IV: TESTING/RECORDKEEPING REQUIREMENTS - Rule 62-210.300, F.A.C.	
(check ☑ appropriate box(es)	
Compliance Demonstration – (Rule 62-210.300(4)(c)5.h., F.A.C.) 1. Is each affected emission point tested according to the visible emissions and stack emissions standards as part of the annual compliance demonstration? (Rule 62-210.300(4)(c)5.e., F.A.C.)	⊠Yes □ No
 Compliance New Facilities – (Rule 62-210.300(4)(c)5.h., F.A.C.) Did this facility demonstrate, according to the visible emissions and stack emissions standards of Rule 62-210.300(4)(c)5.e., F.A.C.,: 	
a) initial compliance prior to beginning commercial operation?b) renewal compliance within 60 days prior to the anniversary of the initial air general permit notification	
form submittal date? Compliance Existing Facilities – (Rule 62-210.300(4)(c)5.h., F.A.C.) 3. Did this facility demonstrate, according to the visible emissions and stack emissions standards of Rule 62-210.300(4)(c)5.e., F.A.C.,:	∐Yes ∐ No
a) compliance within 60 days prior to submitting an air general permit notification form?b) renewal compliance within 60 days prior to the anniversary of the initial air general permit notification	
form submittal date?	
 4. Were all referenced visible emissions tests conducted using EPA Method 9? 5. Were all referenced unconfined or fugitive emissions tests conducted using EPA Method 22? 6. Were all referenced stack emissions or particulate matter tests conducted using EPA Methods 5 or 17? 	
Reporting and Recordkeeping – (Rule 62-210.300(4)(c)5.e., F.A.C.)[Chapter 62-297, F.A.C. and 40 CFR Part 60.670 – 60.676, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C.]	
<u>Facility and/or Equipment</u> <u>Replacement</u> **7. Did the owner or operator submit to the Administrator, the following information about the replacement of and/or equipment:	existing facility
**a) for a Crusher, Grinding Mill, Bucket Elevator, Bagging Operation, or enclosed truck, or Railcar Loadin **1) the rated capacity in megagrams or tons per hour of the existing facility being replaced and the rated	l
capacity in tons per hour of the replacement equipment? **b) for a Screening Operation, **1) the total surface area of the top screen of the existing screening operation being replaced and the tot	
surface area of the top screen of the replacement screening operation?**c) for a Conveyor Belt,	□Yes □ No
**1) the width of the existing belt being replaced and the width of the replacement conveyor belt? **d) for a Storage Bin, **1) the rated capacity in megagrams or tons of the existing storage bin being replaced and the rated	∐Yes ∐ No
capacity in megagrams or tons of replacement storage bins? Performance/Compliance Testing	□Yes □ No
 **8. During the initial performance test, did the owner or operator record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate? **9. After the initial performance test of a wet scrubber, did the owner or operator submit semiannual reports to the Administrator of occurrences when the measurements of the scrubber pressure loss (or gain) and liquid flow rate differ by more than ±30 percent from the averaged determined during the most recent performance test?	ce
**a) Were the reports postmarked within 30 days following the end of the second and fourth calendar quarters?	

PART IV: <u>TESTING/RECORDKEEPING REQUIREMENTS</u> – Rule 62-210.300, F.A.C. (Continued)	
(check ☑ appropriate box(es)	
**10. Did the owner or operator of the facility submit written reports of the results of all performance tests	
conducted to demonstrate compliance with the particulate matter standards (40 CFR Part 60.672), opacity	
(using EPA Method 9 to demonstrate compliance with 40 CFR Part 60.672(b), (c), and (f)), and emission	
observations of transfer points enclosed in buildings (using EPA Method 22 to demonstrate compliance with	
	☐ No
Process Changes	□ 110
**11. Does this facility have a screening operation, bucket elevator, and/or a belt conveyor system? (<i>If your</i>	
answer to this question is <u>YES</u> , then answer <u>either</u> a)1) <u>or</u> a)2) below.)	□ No
	☐ 140
**a)Did this screening operation, bucket elevator, and/or belt conveyor system: **1) originally process setupated meterial and switch to proceed meterial? (Note: The process setupated meterial)	
**1) originally process saturated material and switch to unsaturated material? (<i>Note: The unsaturated</i>	
material handling processes would now be subject to the 10% opacity limit in 40 CFR 60.672(b)	
and the emission test requirements of 40 CFR 60.11 and Subpart 000.)	∐ No
**2) originally process unsaturated material and switch to saturated material? (<i>Note: The saturated</i>	
material handling processes would now be subject to the <u>no visible emission limit</u> in 40 CFR 60.672(h).)	
(If answer to 1) or 2) above is <u>YES</u> then proceed to question b) below.)	☐ No
**b) Did the owner or operator submit a report of the process change within thirty (30) days following the	
change?	☐ No
Notification Requirements	
**12. Was notification of the actual date of startup for each affected or combination of affected facilities	
submitted to the Administrator and postmarked within 15 days after such date?Yes	☐ No
**a) Did the notification include a description of each affected facility, equipment manufacturer, and serial	
number of the equipment, if available?	☐ No
**b) For portable aggregate processing plants, did the notification of actual date of initial start up also	
include both the home office and the current address or location of the portable plant?	☐ No
• •	_
PART V: <u>OPERATING REQUIREMENTS/CONTROL TECHNOLOGY</u> – Rule 62-210.300, F.A.C.	
(check ☐ appropriate box(es))	
1. Is this facility a: 1) relocatable (□; 2) stationary (□; or does it have: 3) both, stationary and relocatable (□	
concrete batching and/or nonmetallic mineral processing plants? (<i>Please check Zonly one box above.</i>)	
(NOTE: If you have checked the box for relocatable go to questions 1.a) & 1.b). If you have checked the box for	r
stationary go to question 1.c). If you have checked box #3, both, stationary and relocatable then answer all	,
relocatable and stationary questions 1.a), 1.b), & 1.c) below, respectively.)	
a) If this is a <u>relocatable facility</u> was the Department notified by phone prior to this relocation, and was a	
Facility Relocation Notification form submitted within 1 business day following the relocation? Yes	\square No
b) If this is a <u>relocatable facility</u> , is it located at a mine and/or quarry, and processing only material from onsite	L 110
	⊠ No
1) Does the owner or operator of this relocatable facility have a water suppression system with spray	△ 110
bars located at the feeder(s), the entrance, and the exit of the crusher(s), the classifier screens and the	□ Na
conveyor drop points?	∐ No
c) If this is a <u>stationary facility</u> , does the owner or operator of this stationary facility have a water	
suppression system with spray bars located at the feeder(s), the entrance, and the exit of the crusher(s),	□ N
the classifier screens and the conveyor drop points?	∐ No

	V: OPERATING REQUIREMENTS/CONTROL TECHNOLOGY – Rule 62-210.300, F.A.C. (Con	tinued)
(c	Pheck ☑ appropriate box(es))	
**2.	Does this facility incorporate the use of a wet scrubber to control emissions? (40 CFR Part 60, Subpart Od adopted by reference Chapter 62-204.800, F.A.C.) (<i>If your answer to this question is YES, then proceed questions 2.a) and 2.b)</i> , <i>below.</i>)	to
**	*a) Does the wet scrubber have continuous monitoring systems (CMS) for:	
	**1) the measurement of the pressure loss of the gas stream through the scrubber?	□Yes □ No
	**2) the measurement of the scrubbing liquid flow rate to the wet scrubber?	
**	*b) Has each CMS been certified by the manufacturer and calibrated annually in accordance with the manufacturer's instructions and to the tolerances below?	☐Yes ☐ No
	**1) ±250 pascals ±1 inch water guage pressure for measuring pressure losses of the gas stream?	
	**2) ±5 percent of design scrubbing liquid flow rate?	
3.	Is this is a stationary nonmetallic mineral processing plant, with a stationary concrete batching plant using	
	individual concrete batching plant air general permit at the same location? (If your answer to this question)	
	is <u>YES</u> , then proceed to questions 3.a), thru 3.d),) below. If <u>NO</u> , proceed to question #4.)	☐Yes ☐ No
	a) Is there more than one nonmetallic mineral processing plant in operation at this location?	☐Yes ☐ No
	b) If there is more than one nonmetallic mineral processing plant at this location, do they all operate under	· · · · · · · · · · · · · · · · · · ·
	a single nonmetallic mineral processing plant air general permit?	□Yes □ No
	c) Are there any additional nonexempt units located at this facility?	☐Yes ☐ No
	d) Are there any Title V sources located at this facility?	☐Yes ☐ No
4.	Is this is a stationary nonmetallic mineral processing plant, with one or more relocatable concrete	
	batching plants using individual air general permits at the same location? (If your answer to this	
	question is <u>YES</u> , then proceed to questions 4.a), thru 4.b) below. If <u>NO</u> , then proceed to question 5.)	□Yes □ No
	a) Are there any additional nonexempt units located at this facility?	Yes No
	b) Are there any Title V sources located at this facility?	□Yes □ No
5.	Does the owner or operator of this facility operate multiple relocatable nonmetallic mineral processing	
	plants using individual nonmetallic mineral processing plant air general permits at this location?	☐ Yes ☐ No
	a) Are there any additional nonexempt units located at this facility?	☐Yes ☐ No
	b) Is the total combined annual facility-wide fuel oil usage of all plants less than 240,000 gallons per	
	calendar year?	☐Yes ☐ No
	c) Is the quantity of material processed less than ten million tons per calendar year?	☐Yes ☐ No
	d) Is the fuel oil sulfur content 0.5% by weight or less?	☐Yes ☐ No
6.	Does the owner/operator of the concrete batching plant maintain a log book or books to account for:	
	a) fuel consumption on a monthly basis?	□Yes □ No
	b) material processed on a monthly basis?	☐Yes ☐ No
	c) the sulfur content of the fuel being burned (Fuel supplier certifications)?	□Yes □ No
7.	Is this relocatable nonmetallic mineral processing plant used to perform a <u>routine function</u> of a facility (ne	ot
	a Title V source) subject to regular air permitting, such as crushing recycled asphalt (rap) at an asphalt	
	plant?	☐Yes ☐ No
	a) If <u>YES</u> , does the regularly permitted facility air construction or air operation permit(s) provide for the	
_	operation of the nonmetallic mineral processing plant as an emission unit?	☐Yes ☐ No
8.	Is this relocatable nonmetallic mineral processing plant used to perform a <u>non-routine activity</u> , such as	
	destruction of a building, at a regularly permitted facility (not a Title V source)?	☐Yes ☐ No
	a) If <u>YES</u> , does it operate under the authority of its air general permit?	∐Yes ∐ No

ART VI: REASONABLE PRECAUTIONS/EMISSION C 210.300(4)(c)5.d.(i) and (ii), F.A.C. (check ☑ appropriate box(es))		
(check v appropriate box(es))		
Unconfined Emissions – (Rule 62-296.320(4)(c), F.A.C.)		
1. Does the owner /operator of the nonmetallic mineral pro	ocessing plant take reasonable precautions to cont	rol unconfined
emissions by:	,	
a) use of a water suppression system with spray bars le		
crusher(s), the classifier screens, and the conveyor	drop points?	⊠Yes ☐ No
b) management of roads, parking areas, stock piles, an	nd yards, which shall include one or more of the f	ollowing:
1) paving and maintenance of roads, parking areas,	, stock piles, and yards?	□Yes □ No
2) application of water or environmentally safe dus		
3) removal of particulate matter from roads and oth		
re-entrainment, and from building or work areas		⊠Yes ☐ No
4) reduction of stock pile height, or installation of		- -
5) landscaping and/or the planting of vegetation?		Yes No
6) the use of hoods, fans, filters and similar equipn	ment to contain, capture and/or vent particulate	
matter?		
7) the enclosure or covering of conveyor systems?)	☐Yes ☐ No
PART VII: SPECIAL CONDITIONS AND PROCEDURES A. New or Modified Process Equipment		
PART VII: SPECIAL CONDITIONS AND PROCEDURES A. New or Modified Process Equipment 1. Since the last inspection has there been a) installation of any new process equipment? b) alteration of existing process equipment without c) replacement of existing equipment substantially of recent notification form? d) If you answered YES to any of the above, did the notification form and appropriate fee (Rule 62-4.	S – Rule 62-210.300(4)(d)4., F.A.C. replacement?different than that noted on the most e owner submit a new and complete	☐Yes ⊠No ☐Yes ⊠No ☐Yes ⊠No
PART VII: SPECIAL CONDITIONS AND PROCEDURES A. New or Modified Process Equipment 1. Since the last inspection has there been a) installation of any new process equipment? b) alteration of existing process equipment without c) replacement of existing equipment substantially c recent notification form? d) If you answered YES to any of the above, did the notification form and appropriate fee (Rule 62-4. local program office?	S – Rule 62-210.300(4)(d)4., F.A.C. replacement?	□Yes ⊠No □Yes ⊠No
PART VII: SPECIAL CONDITIONS AND PROCEDURES A. New or Modified Process Equipment 1. Since the last inspection has there been a) installation of any new process equipment? b) alteration of existing process equipment without c) replacement of existing equipment substantially c recent notification form? d) If you answered YES to any of the above, did the notification form and appropriate fee (Rule 62-4. local program office?	S – Rule 62-210.300(4)(d)4., F.A.C. replacement?	□Yes ⊠No □Yes ⊠No
PART VII: SPECIAL CONDITIONS AND PROCEDURES A. New or Modified Process Equipment 1. Since the last inspection has there been a) installation of any new process equipment? b) alteration of existing process equipment without c) replacement of existing equipment substantially of recent notification form? d) If you answered YES to any of the above, did the notification form and appropriate fee (Rule 62-4. local program office?	S – Rule 62-210.300(4)(d)4., F.A.C. replacement? different than that noted on the most e owner submit a new and complete 050, F.A.C.) to the appropriate DEP or	□Yes ⊠No □Yes ⊠No

A VISIBLE EMISSIONS TEST WAS PERFORMED BY BROOKS AND ASSOCIATES ON MAY 27, 2008.