

$\frac{\text{NON-METALLIC MINERAL PROCESSING}}{\text{PLANTS}}$



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) RE-INSPECTION (FUI)	COMPLAINT/DISCOVER ARMS COMPLAINT NO:	, ,
AIRS ID#: 7775518 DATE: <u>5/16/2008</u>	ARRIVE: <u>2:30</u>	DEPART: <u>4:00</u>
FACILITY NAME: POWERSCREEN-LAKELAND REM	NTAL YARD	
FACILITY LOCATION: 5125 N FRONTAGE RD		
LAKELAND 33810		
OWNER/AUTHORIZED REPRESENTATIVE: RICH.	ARD GRANT PHONE:	(863)687-7153
CONTACT NAME:	PHONE:	
ENTITLEMENT PERIOD: / (effective date) (end date)		
(circulve date) (cird date)		
PART I: INSPECTION COMPLIANCE STATUS (chee	,	Non-COMPLIANCE
PART II: <u>DETERMINATION OF FACILITY TYPE/A</u> (check ☑ only <u>one</u> box) ☐ <u>FOR FACILTIES SUBJECT TO</u> : (40 CFR Part 60, S		,
(If you have checked ☑ this category, answer all questions INCLUDING those with **.) Subject Facilities: (applicable fixed or portable facilities include each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station, crushers & grinding mills at hot mix asphalt facilities that reduce the size of non-mettalic minerals embedded in recycled asphalt pavement & subsequent affected facilities up to, but not including the first storage silo or bin.)		
FOR FACILITIES NOT SUBJECT TO: (40 CFR Pa (If you have checked this category, answer all que	art 60, Subpart OOO, §60.670(a	
Non-Subject Facilities: (includes all facilities in undergrinding mills; facilities not subject to subparts F (Portla sand & gravel plants, & crushed stone plants w/capacities plants, & crushed stone plants w/capacities of 136 megagrams/hr (10 tons/hr) or less.)	and Cement Plants) or I (Hot Mes of 23 megagrams/hr (25 tons).	ix Asphalt Facilities) of this part; <u>fixed</u> /hr) or less; <u>portable</u> sand & gravel

PART III: <u>EMISSION STANDARDS</u> – 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. Were visible stack emissions tests conducted during this site visit according to EPA Method 9 (40 CFR 60,	
Appendix A)?	0
belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading station or any other affected emission point:	
**a) exceed 7% percent opacity? Yes N	0
**b) exceed the particulate matter standard of <u>0.05</u> grams per dry standard cubic meter (g/dscm)?	0
**3. Do stack emissions from any baghouse that controls emissions from only an individual, enclosed storage	r .
bin exceed 7% percent opacity?	0
<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)?	0
**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?	
3. Pursuant to subparagraph 62-296.320(4)(b)1., F.A.C., are visible emissions from any crusher, grinding,	J
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,	
Subpart OOO, equal to or greater than 20% percent opacity?	0
Emission Points Enclosed in Buildings - 40 CFR Part 60, Subpart OOO adopted by reference Chapter 62-204.800, F.A.	
**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	
in a building? (If answer to question #4 is YES, then proceed to #4.a))	o
**a) If enclosed in a building are the stack emissions discharged from a wet scrubbing control device? (If	
answer to this question is NO, then proceed to the next question #4.b)1) & 2). If YES skip to #4.c).) Yes No	0
**b) If the stack emissions from enclosed emission points are not discharged from a wet scrubbing control device is:	
1) the particulate matter in excess of 0.05 grams per dry standard cubic meter (g/dscm)?)
2) the opacity greater than 7% percent? Yes No)
**c) Do the stack emissions from the baghouse(s) inside of the building(s) exceed 7% 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?)
)
<u>Wet Screening/Wet Mining Operations:</u> **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: <u>TESTING/RECORDKEEPING REQUIREMENTS</u> – 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.)——————————————————————————————————	0
2. 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?)
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.,:	
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? $\Box v_{es} \nabla v_{es}$)
Test Methods and Procedures – Chapter 62-297, F.A.C., 40 CFR 60.675, and 40 CFR Part 60, Appendix A adopted and incorporated by reference at Rule 62-204.800, F.A.C.	
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? \ \times \ \times \ \times \ \times \	
6. Were all referenced stack emissions or particulate matter tests conducted using EPA Methods 5 or 17? Yes No	
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 Puls 62 204 200 F.A.C.	
40 CFR Part 60.670 - 60.676, Subpart OOO, adopted and incorporated by reference at Rule 62-204.800, F.A.C.]	
Facility and/or Equipment Replacement	
**7. Did the owner or operator submit to the Administrator, the following information about the replacement of existing facility	
and/or equipment:	
**a) for a Crusher, Grinding Mill, Bucket Elevator, Bagging Operation, or enclosed truck, or Railcar Loading Station,	
**1) the rated capacity in megagrams or tons per hour of the existing facility being replaced and the rated 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 total	
surface area of the top screen of the replacement screening operation?	
**c) for a Conveyor Belt,	
**1) the width of the existing belt being replaced and the width of the replacement conveyor belt? Yes No **d) for a Storage Bin,	
**1) the rated capacity in megagrams or tons of the existing storage bin being replaced and the rated	
capacity in megagrams or tons of replacement storage bins?	
Performance/Compliance Testing	
**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'? Tves No	
**a) Were the reports postmarked within 30 days following the end of the second and fourth calendar	
quarters?	

PART IV: TESTING/RECORDKEEPING REQUIREMENTS – 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	
**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 40 CFR Part 60.672(e))?	¬ _{No}
Process Changes **11. Does this facility have a screening operation, bucket elevator, and/or a belt conveyor system? (If your answer to this question is YES, then answer either a) 1) or a) 2) below.)	
**1) originally process saturated material and switch to unsaturated material? (Note: The unsaturated 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 OOO.)] No
**b) Did the owner or operator submit a report of the process change within thirty (30) days following the change?	□ No
**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?	_] No
include both the home office and the current address or location of the portable plant?] No
PART V: OPERATING REQUIREMENTS/CONTROL TECHNOLOGY - Rule 62-210.300, F.A.C. (check ☑ appropriate box(es))	
 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? (Please check Zonly one box above.) (NOTE: If you have checked the box for relocatable go to questions 1.a) & 1.b). If you have checked the box for 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 relocatable facility 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 ∑ 	272
b) If this is a relocatable facility, is it located at a mine and/or quarry, and processing only material from onsite deposits? (If your answer to this question is NO, please proceed to question 1) below.)	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),	

PART V: <u>OPERATING REQUIREMENTS/CONTROL TECHNOLOGY</u> – Rule 62-210.300, F. (check ☑ appropriate box(es))	A.C. (Continued)
**2. Does this facility incorporate the use of a wet scrubber to control emissions? (40 CFR Part 60,	Submort 000
adopted by reference Chapter 62-204.800, F.A.C.) (If your answer to this question is YES, the questions 2.a) and 2.b), below.)	
**a) Does the wet scrubber have continuous monitoring systems (CMS) for:	Lives Lino
**1) the measurement of the pressure loss of the gas stream through the scrubber?	□v □ v.
**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 wi	
manufacturer's instructions and to the tolerances below?	
**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	
individual concrete batching plant air general permit at the same location? (If your answer to the	
is <u>YES</u> , then proceed to questions 3.a), thru 3.d),) below. If <u>NO</u> , proceed to question #4.)	
a) Is there more than one nonmetallic mineral processing plant in operation at this location?	
b) If there is more than one nonmetallic mineral processing plant at this location, do they all or	
a single nonmetallic mineral processing plant air general permit?	
c) Are there any additional nonexempt units located at this facility?	
d) Are there any Title V sources located at this facility?	
4. Is this is a stationary nonmetallic mineral processing plant, with one or more relocatable concre	
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 questions 4.a.	
a) Are there any additional nonexempt units located at this facility?	
b) Are there any Title V sources located at this facility?	
5. Does the owner or operator of this facility operate multiple relocatable nonmetallic mineral pro-	
plants using individual nonmetallic mineral processing plant air general permits at this location	
a) Are there any additional nonexempt units located at this facility?	
b) Is the total combined annual facility-wide fuel oil usage of all plants less than 240,000 gallor	
calendar year?	· — —
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?	
6. Does the owner/operator of the concrete batching plant maintain a log book or books to account	
a) fuel consumption on a monthly basis?	
b) material processed on a monthly basis?	
c) the sulfur content of the fuel being burned (Fuel supplier certifications)?	
7. Is this relocatable nonmetallic mineral processing plant used to perform a routine function of a f	
a Title V source) subject to regular air permitting, such as crushing recycled asphalt (rap) at an	asphalt
plant?	
a) If YES, does the regularly permitted facility air construction or air operation permit(s) provide	de for the
operation of the nonmetallic mineral processing plant as an emission unit?	
8. Is this relocatable nonmetallic mineral processing plant used to perform a non-routine activity, s	
destruction of a building, at a regularly permitted facility (not a Title V source)?	
a) If <u>YES</u> , does it operate under the authority of its air general permit?	

PART VI: REASONABLE PRECAUTIONS/EMISSI 210.300(4)(c)5.d.(i) and (ii), F.A.C. (check ☑ appropriate box(es))	ION CONTROL MEASURES & TECHNOLOGY – Rul	le 62-
emissions by: a) use of a water suppression system with spray crusher(s), the classifier screens, and the conv b) management of roads, parking areas, stock pil 1) paving and maintenance of roads, parking 2) application of water or environmentally sa emissions? 3) removal of particulate matter from roads a re-entrainment, and from building or work 4) reduction of stock pile height, or installation particulate matter from stock piles? 5) landscaping and/or the planting of vegetating the use of hoods, fans, filters and similar ematter?	bars located at the feeder(s), the entrance and exit of the veyor drop points?	Yes No
 b) alteration of existing process equipment with c) replacement of existing equipment substantion recent notification form? d) If you answered <u>YES</u> to any of the above, do notification form and appropriate fee (Rule of Equipment) 	thout replacement?	Yes
Inspector's Name (Please Print) Inspector's Signature	5/16/2008 Date of Inspection Approximate Date of Next Inspection	
Florida at: Old Sam's Club: 3221 North Monroe Street, Tal The inspection was in response to an anonymous complaint	n is Lakeland Florida. This inspection was conducted in Leon Illahassee, Florida. It concerning a portable rock crusher and potential nuisance on the concerning a portable is a regulated emission unit under ger	dust from the

When I arrived at the site, I observed a portable rock crusher in operation and dust emissions coming from the crusher.

I met with the following site personnel:

- Carter Goodwin, Project Superintendent; Elkins Constructors, Inc. (904) 353-6500, 701 West Adams Street, Jacksonville, Fl. 32204, carter@elkinsconstructors.com
- DJ Hartley, Site Supervisor, M of Tallahassee, Inc.; 4223 Captial Circle N.W.; Tallahassee, Fl. 32303; (850) 562-1022
- Mr. Goodwin explained that the crusher unit was to crush mineral debris from the Sam's Club demolition/location. On this day the material being loaded into the crusher was apparently "curb and gutter" concrete debris. The Sam's club foundation was still intact, but the machinery is supposedly going to be used to crush that as well.
- Mr. Hartley explained the operation of the crusher unit to me. Two machines were present, a rock crusher unit and a separation screener unit. According to Mr. Hartley, the equipment only had one spray bar installed at the feeder/entrance of the crusher unit.

The screener unit did not have any spraybars installed.

- Mr. Goodwin appeared to call the facility contact for the crusher unit. I was handed Mr. Goodwin's phone and spoke with Richard Grant for Powerscreen of Florida.
- Mr. Grant explained that he would submit a facility relocation notification immediately to the District office. I requested a copy and received the it by fax on May 19, 2008. The facility/crusher appears to have a permit. However the notification appears to be late.
- I asked Mr. Hartley about the water supply for the crusher spraybar. He pointed to a water truck that was parked on site, but it was not connected to the crusher and was parked several feet away from it. Apparently the crusher had been in operation since earlier in the afternoon, but this was the first day of its operation at the site.
- The weather had been rainy that day, but the crusher was still producing a significant amount of dust. Mr. Hartley also showed me the inlet valve where the water connections are hooked to the machine and the corresponding hose hookups on the water truck. The water supply for the truck apparently is a nearby hydrant.
- Mr. Hartley shut the crusher machine off and explained that he would hook up the water truck. As I was leaving the site, the water truck had not moved from its original location, but the machine had ceased operation and there was no more emission.

Recommendations:

The relocatable facility appears to have the following non-compliance issues:

- 1) The facility did not submit the "Facility Relocation Form" (DEP Form No. 62-210.99(6)) one business day prior to changing location. However, the form was submitted the day of this inspection.
- 2) The facility operators failed to take reasonable precautions to control unconfined emissions from the rock crusher. A water supply was not hooked up to the only spraybar.
- 3)Emissions from the crusher unit appeared to exceed the 20% opacity standard, however a formal compliance test was not conducted by myself.
- 4) The equipment only has one spraybar installed. It is unclear if this one spraybar is sufficient enough to comply with the regulation to control unconfined emissions.

Other comments:

I did not locate any activities for this facility in the Department computer records. Compliance testing may be required for this permit.

Note: Due to insufficient information on the facility, portions of the checklist portion may not be complete.



Lakeland, FL 33807 863/687-7153 FAX 863/680-1289 Website: www.powerscreenfla.com

FAX TRANSMISSION SHEET

SENDER: Richard Grant

ATTENTION: Erica Mitchell/Tracy White

DATE: 05-14-08

COMPANY:DEP

PAGES (INC. COVER):3

FAX NO.: 850-595-8096/850-922-3/20

PLEASE TELEPHONE IMMEDIATELY IF YOU RECEIVE A FAULTY OR UNFINISHED FAX.

Erica.

Please find the attached relocation notification we discussed. I will forward a hard copy to you today. Thank you for your cooperation in this matter. If you have any questions, please contact me at the number above.

Regards,

Richard Grant Powerscreen of Florida 963-559-1503-cell

RECEIVED

Current Facility Information



Department of Environmental Protection

Division of Air Resource Management

FACILITY RELOCATION NOTIFICATION

Submit to DEP district office or local air program office that has permitting authority for the area in which the facility is to be relocated.

(DEP/Local Note: Update existing facility location data in ARMS. Do not create new facility record.)

1.	Facility ID: 2. Permit /Project Number:	
3	777 - 55/8 -w/ Ab. Facility Owner or Operator:	
.,.	BWERSCHEEN OF FLORIDA	
4.	Facility Name: Same	
	Current or Most Recent Facility Street Address or Location Description: 5/25 N. FRONTALE RO	
б.	City: 7. County: BLK. Cry	
8.	Shutdown Date at This Location: 5 - 11-08	
	posed New Facility Lucation	
1.	Facility Street Address or Location Description (do not enter a post office box number)	:
	3221 N. MONREE ST	
2.	City: TALLAMASEE, & County: LEON	
4.	List other air permitted operations at this location (if any):	
	Facility ID Permit/Project Number	
	N/A	RECEIVED
		150 150 150
5.	Startup Date at New Location: 5-16-08	
6.		
	Facility Comment: Chusha is Louten to M of TANAMASSE INC. 4223 CAPITAL CIRCLE , TANAMASSE, F.	
	4223 CAPITAL CIRCUE,	AVE
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DEP Form No. 62-210.900(6) Effective: 6-21-01

Supplemental Requirements

- 1. Provide a scale map (c.g., the relevant portion of a USGS topographic map) showing the proposed new location of the facility and points of air pollutant emissions in relation to roads and other features of the surrounding area.
- 2. If relocating to a different DEP district or local air permitting office area of jurisdiction, provide a copy of the most recent compliance test report.

RECEIVED

DEP Form No. 62-210.900(6) Effective: 6-21-01