

# NON-METALLIC MINERAL PROCESSING PLANTS



### COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2)	
AIRS ID#: 0830091 DATE: <u>02\09\2011</u> ARRIVE: <u>2.04 PM</u> DEPART:	<u>3.00PM</u>
FACILITY NAME: CUMMER MINE	
FACILITY LOCATION: 2501 NW 77TH ST	
OCALA 34475-2467	
OWNER/AUTHORIZED REPRESENTATIVE: WILLIAM STAVOLA Email: CONTACT NAME: WILLIAM HOUGHTON Email: ENTITLEMENT PERIOD: 10/17/2010 / 10/17/2015 (effective date) (end date)  PHONE: (352)629-971 Mobile: PHONE: (352)629-971 Mobile:	
Facility Section  PART I: INSPECTION COMPLIANCE STATUS (check ☑ only one box)  ☑ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPL	IANCE
PART II: ONSITE INTRODUCTORY MEETING  1. Name(s) of facility representative(s): Eral Henderson  Brief Notes:	(check ☑ only one box for each question)
2. Is the Authorized Representative still WILLIAM STAVOLA?	⊠ Yes □No
If different, did the facility provide an administrative update within 30 days?  3. Is the facility contact still WILLIAM HOUGHTON?  If no, who is?:	☐ Yes ☐No ☐No
4. Will facility be conducting VE test(s) during today's inspection?  If yes, was the compliance authority notified at least 15 days in advance?	☐ Yes

## Emissions Unit Section 1 –NMMP Plant-prim.crusher #2,450 T/hr w/diesel pwr unit,3belts

box for each question)  Is the Emissions Unit (EU) subject to 40 CFR part 60 subpart OOO — Nonmetallic Mineral Processing Plants?  (Note: "Nonmetallic mineral" means any of the following minerals or any mixture of which the majority is any of the following minerals: (1) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Trapprock, Sandstone, Quartz, Quartzic, Man, Marble, Slane, Shale, Oil Shale, and Shelli: (2) Sand and Gravel;  (3) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay; (4) Rock Salt;  (5) Gypsum (natural or synthetic); (6) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate; (7) Pumice; (8) Gilosmite; (9) Tale and Pyrophytlitic; (10) Boron, including Boxak, Kernite, and Colemanite; (11) Barrie; (12) Fluorospar; (13) Feldspar; (14) Diatomite; (15) Perlite; (16) Vermicultie;  (17) Mica; (18) Kyanite, including Andalustie, Sillimanite, Topaz, and Dumortierite.)  I. Is the EU located at a fixed or portable nonmetallic mineral processing plant or hot mix asphalt plant that has an aboveground crusher or grinding mill? Yes No  3. Was the EU constructed, modified, or reconstructed after August 31, 1983? Yes No  4. Is the EU one of the following? Yes No  1. Sovary and the Euler of the following? Yes No  2. Is the EU one of the following? Yes No  2. Is the EU one of the following? Yes No  3. Was the EU one of the following? Yes No  4. Is the EU one of the following? Yes No  3. In the EU one of the following? Yes No  4. Is the EU one of the following? Yes No  4. Is the EU one of the following? Yes No  4. Is the EU one of the following? Yes No  5. Is the EU one of the following was plant plant that reduces the size of nonmetallic minerals embedded in recycled asphalt pavement or subsequent emissions unit up to, but not including, the first storage silo or bin; Service of nonmetallic mineral processing plant are not considered to be screening operating material according to size by			(check 🗹	only one
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or hot mix asphalt plant that has an aboveground crusher or grinding mill?	1.	Is the EU located at a fixed or portable nonmetallic mineral processing plant		
2. Is the EU located above ground (i.e., not in an underground mine)?			⊠ Yes	No
3. Was the EU constructed, modified, or reconstructed after August 31, 1983?	2.			□No
				⊠No
storage bin,	4.		Yes	□No
□ crusher or grinding mill at hot mix asphalt plant that reduces the size of nonmetallic minerals embedded in recycled asphalt pavement or subsequent emissions unit up to, but not including, the first storage silo or bin; □ screening operation (a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series, and retaining oversize material on the mesh surfaces. Grizzly feeders associated with truck dumping and static (non-moving) grizzlies used anywhere in the nonmetallic mineral processing plant are not considered to be screening operations.) □ building enclosing any of the above EUs if all enclosed EUs are not individually in compliance with emissions limits. [A "vent" is any opening through which there is mechanically induced air flow for the purpose of exhausting from a building air carrying particulate matter (PM) emissions from one or more affected EUs.]  If answer to any of the four Questions 1 - 4 above is "No" then the EU is not subject to subpart OOO so skip the following questions and go directly to Question 24.  If the answer to all of the four Questions 1-4 above is "Yes" then continue to Question 5.  5. Is the EU subject to 40 CFR part 60 subpart F (Portland Cement Plants) or subpart I (Hot Mix Asphalt Facilities), or does it follow in the plant process any other EU that is subject to 40 CFR part 60 subpart F or subpart I?				
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subpart I (Hot Mix Asphalt Facilities), or does it follow in the plant process any other EU that is subject to 40 CFR part 60 subpart F or subpart I?	su	bpart OOO so skip the following questions and go directly to Question 24.		
subpart I (Hot Mix Asphalt Facilities), or does it follow in the plant process any other EU that is subject to 40 CFR part 60 subpart F or subpart I?	5.	Is the EU subject to 40 CFR part 60 subpart F (Portland Cement Plants) or		
6. Is the EU located at a fixed sand and gravel plant or crushed stone plant with a capacity less than or equal to 23 megagrams/hour (25 tons/hour)?		subpart I (Hot Mix Asphalt Facilities), or does it follow in the plant process	_	
capacity less than or equal to 23 megagrams/hour (25 tons/hour)?			Yes Yes	□No
7. Is the EU located at a portable sand and gravel plant or crushed stone plant with a capacity less than or equal to 136 megagrams/hour (150 tons/hour)?	6.			
capacity less than or equal to 136 megagrams/hour (150 tons/hour)?	_		∐ Yes	∐No
8. Is the EU located at a common clay plant or pumice plant with capacity less than or	/.		□ v <sub>aa</sub>	□ No
equal to 9 megagrams/hour (10 tons/hour)?	Q		⊥ r es	□INO
	σ.	equal to 9 megagrams/hour (10 tons/hour)?	Yes	□No

### 1 –NMMP Plant-prim.crusher #2,450 T/hr w/diesel pwr unit,3belts

belt conveyor in a production line that p grinding mill or storage bin in the produ {Note: "wet screening operation" mean which separates marketable fines from t at all times such that the product is satu with sufficient surface moisture such that of the material through screening operation	ubsequent screening operation, bucket elevator or rocesses saturated material up to the first crusher, ction line?	ıl ing	□No
downstream of wet mining operation that grinding mill or storage bin in the prodution where the storage bin in the prodution from the production of the storage bin in the production of the storage bin in the production of the production of the storage bin in the production of the storage bin in the production of the storage bin in the production of the	elevator or belt conveyor in the production line at process saturated material up to the first crusher, action line?	☐ Yes	□No
If answer to any of the six Questions 5 -10 subpart OOO so skip the following questio	above is "Yes" then the EU is not subject to ns and go directly to Question 24. It above is "No" then continue to Question 11.		
·	reconstructed on or after 4/22/2008?	☐ Yes	□No
	following questions and go directly to Question 20	_	_
	c capture system (equipment including enclosures, ure and transport particulate matter to a control device?	☐ Yes	□No
If answer to Question 13 is "No" skip the f	following questions and go directly to Question 19		
initial startup of the EU?b. If yes, was the EU found to be in com c. Was an initial VE test performed on a	ed on the control device within 180 days of	☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐No ☐No ☐No
individually in compliance with emissia. Was an initial PM stack test performe initial startup of the EU?	ther regulated EUs and all enclosed EUs are not ions limits: d on each vent control device within 180 days of N/A which there is mechanically induced air flow for the ling air carrying particulate matter (PM) emissions from	☐ Yes	□ No
b. If yes, was the EU found to be in com c. Was an initial VE test performed on for	pliance with the PM limit of 0.032 g/dscm (0.014 gr/dscf)?ugitive emissions from non-vent building openings?	Yes Yes	□No □No □No

### 1 –NMMP Plant-prim.crusher #2,450 T/hr w/diesel pwr unit,3belts

16. Is a baghouse used to control emissions from the EU?	Yes	□No
If yes, the owner operator:  conducts quarterly 30-minute VE tests using Method 22;  uses a bag leak detection system specified in 40 CFR 60.674(d);  follows the requirements of 40 CFR 63AAAAA Lime Manufacturi as specified in 40 CFR 60.674(e); or  none of the above (i.e., out of compliance)	ng	
17. If the EU is an individual, enclosed storage bin controlled by a baghouse, were initial fugitive emissions less than or equal to 7% opacity?   N/A	Yes	☐ No
18. Is a wet scrubber used to control emissions from the EU?	☐ Yes	□No
If yes, does the owner/operator maintain and operate:		110
a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?		□No
b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions? {Note: The monitoring device must be certified by the manufacturer to be accurate within +5% of design scrubbing liquid flow rate.}		□No
19. Is wet suppression used to control emissions from the EU?	☐ Yes	□No
<ul> <li>If yes:</li> <li>a. Does the owner/operator perform monthly inspections to check that water is flowing to the discharge spray nozzles?</li> <li>b. Does the owner/operator initiate corrective action within 24 hours and complete corrective action as expediently as practical is water is not flowing properly?</li> <li>c. Is each inspection of the spray nozzles, including the date and any corrective action taken,</li> </ul>		
recorded in the written or electronic logbook as required by 40 CFR 60.676(b)?  If the EU was constructed, modified, or reconstructed on or after 4/22/2008 skip the following questions and go directly to Question 24.	∐ Yes	□No
<b>20. Does the EU have a particulate matter</b> <i>capture system</i> (equipment including enclosures, Hoods, fans, dampers, etc.) to capture and transport particulate matter to a control device?	☐ Yes	□No
21. Initial Tests:		
a. Was an initial PM stack test performed on the control device within 180 days of initial startup of the EU?	☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐No ☐No ☐No

### 1 –NMMP Plant-prim.crusher #2,450 T/hr w/diesel pwr unit,3belts

22. If the EU is a building enclosing any	other regulated EUs	and all enclosed EUs are not			
individually in compliance with emi	ssions limits:				
a. Was an initial PM stack test perform	med on each vent contro	ol device within 180 days of			
initial startup of the EU?		N/	'A	☐ Yes	☐ No
{A "vent" is any opening through whi	ch there is mechanicall	y induced air flow for the			
purpose of exhausting from a building					
one or more affected EUs.}	. 01	•			
b. Was the EU found to be in complia	nce with the PM limit	of 0.05 g/dscm (0.022 gr/dscf)?		Yes	No
c. Were initial fugitive emissions from				Yes	□No
ov vvere minimi ruguive emissions noi	in non-venicountaing op-	or equal to 7,70 s	spacity.		
23.Is a wet scrubber used to control en	nissions from the EU?			Yes	No
If yes, does the owner/operator mainta					
a. a device for the continuous measur		oss of the gas stream through the	<b>.</b>		
scrubber and the device has been					
instructions?				☐ Yes	□No
{Note: The monitoring device m				Lites	140
•	•	nanuracturer to be accurate with	IIII +230		
pascals +1 inch water gauge pres	ssure.}				
	amont of the comphine	liquid flow note to the west compl	han and th		
b. a device for the continuous measur					□ Na
device has been calibrated on an				☐ Yes	No
{Note: The monitoring device m	•	nanuracturer to be accurate with	1111 +5%		
of design scrubbing liquid flow	rate.}				
24 When was the last VE test conducte	d by the eveneuleneus	ton for this EU2 0/1/2010			
24. When was the last VE test conducte			0	<b>⊠ v</b>	□ NT.
a. If EU is not subject to 40 CFR 60 s		U been tested within the past 5 y	/ears /	⊠ Yes	No
b. If EU is subject to 40 CFR subpart		1 0		N 10	
i. has the EU been tested during	each of the past 4 cale	ndar years?		Yes Yes	∐No
ii. has the EU been tested yet wi	thin the current calenda	r year?		☐ Yes	No
25 W WE 44 J4-J b4b	/			□ <b>v</b>	
25. Was a VE test conducted by the own				∐ Yes	⊠No
a. Was the VE test conducted at a pro	cess rate that is represe	ntative of the normal rate?		☐ Yes	lNo
Rate:	. EDA M (1 100			□ <b>x</b> z	□ N7
b. Was the VE test conducted accordi				☐ Yes	No
c. The VE test resulted in an opacity	of% for the high	est six-minute average.			
d. Did the VE test demonstrate compl	iance with the opacity	limit'? (See chart below)		∐ Yes	□No
					<u> </u>
26. Was a VE test conducted by the <i>insp</i>				Yes	⊠No
a. Was the VE test conducted at a pro	cess rate that is represe	ntative of the normal rate?		Yes Yes	No
Rate:					
b. Was the VE test conducted accordi				Yes	No
c. The VE test resulted in an opacity					
d. Did the VE test demonstrate compl	iance with the opacity	limit? (See chart below)		☐ Yes	No
	VE Ongo	ity Limits			
		1 -	0.1.	OOO EII	
	EU not subject to	Subpart OOO EU	-	: 000 EU	_
	40 CFR 60	constructed, modified,		cted, modifi	
	Subpart OOO	or reconstructed prior		structed on	or
		to 4/22/2008	after 4/2	22/2008	
Crusher with no capture system	20%	15%		12%	
All other affected EUs	20%	10%		7%	
2	_ = 7.0				

## Emissions Unit Section 2 –NMMP Plant-prim.crusher #1,750 T/hr w/diesel pwr unit,3belts

		(check 🗹	only one
	b	ox for each	question)
Is	the Emissions Unit (EU) subject to 40 CFR part 60 subpart OOO – Nonmetallic Mineral Processin		,
15	[Note: "Nonmetallic mineral" means any of the following minerals or any mixture of which the majorit is any of the following minerals: (1) Crushed and Broken Stone, including Limestone, Dolomite, Granit Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell; (2) Sand and (3) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay; (4) Rock (5) Gypsum (natural or synthetic); (6) Sodium Compounds, including Sodium Carbonate, Sodium Chlorand Sodium Sulfate; (7) Pumice; (8) Gilsonite; (9) Talc and Pyrophyllite; (10) Boron, including Borax, and Colemanite; (11) Barite; (12) Fluorospar; (13) Feldspar; (14) Diatomite; (15)Perlite; (16) Vermic (17) Mica; (18) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.}	y e, Gravel; Salt; ride, Kernite,	
1.	Is the EU located at a fixed or portable nonmetallic mineral processing plant		
	or hot mix asphalt plant that has an aboveground crusher or grinding mill?	⊠ Yes	No
2.	Is the EU located above ground (i.e., not in an underground mine)?	Yes	☐No
3.	Was the EU constructed, modified, or reconstructed after August 31, 1983?	☐ Yes	⊠No
4.	Is the EU one of the following?	☐ Yes	□No
	☐ crusher, ☐ grinding mill, ☐ bucket elevator, ☐ belt conveyor, ☐ bagging operation,		
	storage bin, enclosed truck loading station enclosed railcar loading station;		
	crusher or grinding mill at hot mix asphalt plant that reduces the size of nonmetallic		
	minerals embedded in recycled asphalt pavement or subsequent emissions unit up to, but not including, the first storage silo or bin;		
	screening operation (a device for separating material according to size by passing		
	undersize material through one or more mesh surfaces (screens) in series, and retaining		
	oversize material on the mesh surfaces. Grizzly feeders associated with truck dumping		
	and static (non-moving) grizzlies used anywhere in the nonmetallic mineral processing		
	plant are not considered to be screening operations.)		
	building enclosing any of the above EUs if all enclosed EUs are not individually in		
	compliance with emissions limits. {A "vent" is any opening through		
	which there is mechanically induced air flow for the purpose of exhausting from a building		
	air carrying particulate matter (PM) emissions from one or more affected EUs.}		
su	answer to any of the four Questions 1 -4 above is "No" then the EU is not subject to abpart OOO so skip the following questions and go directly to Question 24. the answer to all of the four Questions 1-4 above is "Yes" then continue to Question 5.		
5.	Is the EU subject to 40 CFR part 60 subpart F (Portland Cement Plants) or		
	subpart I (Hot Mix Asphalt Facilities), or does it follow in the plant process		
	any other EU that is subject to 40 CFR part 60 subpart F or subpart I?	Yes Yes	□No
6.	Is the EU located at a fixed sand and gravel plant or crushed stone plant with a		
_	capacity less than or equal to 23 megagrams/hour (25 tons/hour)?	☐ Yes	□No
7.	Is the EU located at a portable sand and gravel plant or crushed stone plant with a	□ <b>v</b>	
o	capacity less than or equal to 136 megagrams/hour (150 tons/hour)?	☐ Yes	No
ð.	Is the EU located at a common clay plant or pumice plant with capacity less than or equal to 9 megagrams/hour (10 tons/hour)?	Yes	□No
	equal to 7 megagrams/nour (10 tons/nour):	☐ 1 CS	110

### 2 –NMMP Plant-prim.crusher #1,750 T/hr w/diesel pwr unit,3belts

9.	Is the EU a wet screening operation or subsequent screening operation, bucket elevator or belt conveyor in a production line that processes saturated material up to the first crusher, grinding mill or storage bin in the production line? ————————————————————————————————————	l ng	□No
10	Is the EU a screening operation, bucket elevator or belt conveyor in the production line downstream of wet mining operation that process saturated material up to the first crusher, grinding mill or storage bin in the production line?	☐ Yes	□No
	{Note: Wet mining operation means a mining or dredging operation designed and operated to extract any nonmetallic mineral from deposits existing at or below the water table, where the nonmetallic mineral is saturated with water. "Saturated material" means mineral material with sufficient surface moisture such that particulate matter emissions are not generated from processing of the material through screening operations, bucket elevators and belt conveyors. Material that is wetted solely by wet suppression systems is not considered to be "saturated" for purposes of this definition.}		
su	answer to any of the six Questions 5 -10 above is "Yes" then the EU is not subject to bpart OOO so skip the following questions and go directly to Question 24. the answer to all of the six Questions 5-10 above is "No" then continue to Question 11.		
11	. When was the EU last constructed, modified, or reconstructed?		
12	. Was the EU constructed, modified, or reconstructed on or after 4/22/2008?	☐ Yes	□No
<b>I</b> f	answer to Question 12 is "No" skip the following questions and go directly to Question 20		
13	<b>.Does the EU have a particulate matter</b> <i>capture system</i> (equipment including enclosures, Hoods, fans, dampers, etc.) to capture and transport particulate matter to a control device?	☐ Yes	□No
<b>I</b> f	answer to Question 13 is "No" skip the following questions and go directly to Question 19		
14	a. Was an initial PM stack test performed on the control device within 180 days of initial startup of the EU?	Yes Yes Yes Yes Yes	☐ No ☐No ☐No ☐No
15	If the EU is a building enclosing any other regulated EUs and all enclosed EUs are not individually in compliance with emissions limits:  a. Was an initial PM stack test performed on each vent control device within 180 days of initial startup of the EU?	☐ Yes	☐ No
	b. If yes, was the EU found to be in compliance with the PM limit of 0.032 g/dscm (0.014 gr/dscf)? c. Was an initial VE test performed on fugitive emissions from non-vent building openings? d. Were initial fugitive emissions from non-vent building openings less than or equal to 7% opacity?	☐ Yes ☐ Yes ☐ Yes	No No No

### 2 –NMMP Plant-prim.crusher #1,750 T/hr w/diesel pwr unit,3belts

16. Is a baghouse used to control emissions from the EU?	☐ Yes	s 🔲No
If yes, the owner operator:  conducts quarterly 30-minute VE tests using Method 22; uses a bag leak detection system specified in 40 CFR 60.674(d); follows the requirements of 40 CFR 63AAAAA Lime Manufacturi as specified in 40 CFR 60.674(e); or none of the above (i.e., out of compliance)	ng	
17. If the EU is an individual, enclosed storage bin controlled by a baghouse, were initial fugitive emissions less than or equal to 7% opacity?   N/A	☐ Yes	s 🗌 No
<b>18.</b> Is a wet scrubber used to control emissions from the EU?	☐ Yes	s \[ \]No
a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?		s 🔲No
b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and th device has been calibrated on an annual basis in accordance with manufacturer's instructions? {Note: The monitoring device must be certified by the manufacturer to be accurate within +5% of design scrubbing liquid flow rate.}		s
19.Is wet suppression used to control emissions from the EU?	☐ Yes	s \[ \]No
<ul> <li>If yes:</li> <li>a. Does the owner/operator perform monthly inspections to check that water is flowing to the discharge spray nozzles?</li> <li>b. Does the owner/operator initiate corrective action within 24 hours and complete corrective action as expediently as practical is water is not flowing properly?</li> <li>c. Is each inspection of the spray nozzles, including the date and any corrective action taken, recorded in the written or electronic logbook as required by 40 CFR 60.676(b)?</li></ul>	☐ Yes	s □No
If the EU was constructed, modified, or reconstructed on or after 4/22/2008 skip the following questions and go directly to Question 24.		
<b>20. Does the EU have a particulate matter</b> <i>capture system</i> (equipment including enclosures, Hoods, fans, dampers, etc.) to capture and transport particulate matter to a control device?	☐ Yes	s 🗀No
21. Initial Tests:  a. Was an initial PM stack test performed on the control device within 180 days of initial startup of the EU?	☐ Yes☐ Yes☐ Yes☐ Yes	s

### 2 –NMMP Plant-prim.crusher #1,750 T/hr w/diesel pwr unit,3belts

22. If the EU is a building enclosing any	y other regulated EUs	and all enclosed EUs are not			
individually in compliance with emi	ssions limits:				
a. Was an initial PM stack test perfor					
initial startup of the EU?		N	/A	☐ Yes	☐ No
{A "vent" is any opening through whi	ich there is mechanicall	y induced air flow for the			
purpose of exhausting from a building	air carrying particular	te matter (PM) emissions from			
one or more affected EUs.}		•			
b. Was the EU found to be in complia	ance with the PM limit of	of 0.05 g/dscm (0.022 gr/dscf)?		Yes	No
c. Were initial fugitive emissions from				Yes	□No
C	C 1		1 ,	<u> </u>	
23.Is a wet scrubber used to control en	nissions from the EU?			Yes	□No
If yes, does the owner/operator mainta				<del>_</del>	
a. a device for the continuous measur		oss of the gas stream through the	e		
scrubber and the device has been					
instructions?				Yes	□No
{Note: The monitoring device m	nust be certified by the r	nanufacturer to be accurate with	nin +250	_	_
pascals +1 inch water gauge pre	•				
and					
b. a device for the continuous measur	rement of the scrubbing	liquid flow rate to the wet scrub	ber and th	e	
device has been calibrated on an				☐ Yes	□No
{Note: The monitoring device m					
of design scrubbing liquid flow					
	,				
24. When was the last VE test conducte	d by the owner/operat	tor for this EU? 1/9/2010			
a. If EU is not subject to 40 CFR 60 s			vears?	☐ Yes	□No
b. If EU is subject to 40 CFR subpart			,		
i. has the EU been tested during		ndar vears?		☐ Yes	□No
ii. has the EU been tested yet wi				Yes	□No
		- ,			
25. Was a VE test conducted by the own	ner/operator for this u	nit during this site visit?		☐ Yes	⊠No
a. Was the VE test conducted at a pro				Yes	☐No
Rate:					
b. Was the VE test conducted accordi	ing to EPA Method 9? -			☐ Yes	□No
c. The VE test resulted in an opacity					
d. Did the VE test demonstrate complete				Yes	□No
a. Did the V2 test demonstrate comp.	nance with the opacity i	mint. (See chart sers w).			
26. Was a VE test conducted by the insp	nector for this unit du	ing this site visit?		Yes	⊠No
a. Was the VE test conducted at a pro				Yes	No
Rate:	eess rate that is represe	mative of the normal rate.			
b. Was the VE test conducted accordi	ing to FPA Method 97 -			Yes	□No
c. The VE test resulted in an opacity				1 cs	140
d. Did the VE test demonstrate complete				☐ Yes	□No
d. Did the VE test demonstrate comp.	nunce with the opticity i	mint. (See chart selow).			
	VE Opac	ity Limits			
	EU not subject to	Subpart OOO EU	Subpart	OOO EU	
	40 CFR 60	constructed, modified,	_	cted, modifi	ed
		_ ·		structed on	
	Subpart OOO	or reconstructed prior			U
	• • • • • • • • • • • • • • • • • • • •	to 4/22/2008	after 4/2		
Crusher with no capture system	20%	15%		12%	
All other affected EUs	20%	10%		7%	

## Emissions Unit Section 3 –NMMP Plant-screen ops, 32 sq.ft.

	ł	(check 🗹	•
<u>Is</u>	the Emissions Unit (EU) subject to 40 CFR part 60 subpart OOO – Nonmetallic Mineral Processing (Note: "Nonmetallic mineral" means any of the following minerals or any mixture of which the majoring is any of the following minerals: (1) Crushed and Broken Stone, including Limestone, Dolomite, Granite Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell; (2) Sand and (3) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay; (4) Rock of (5) Gypsum (natural or synthetic); (6) Sodium Compounds, including Sodium Carbonate, Sodium Chlos and Sodium Sulfate; (7) Pumice; (8) Gilsonite; (9) Talc and Pyrophyllite; (10) Boron, including Borax, and Colemanite; (11) Barite; (12) Fluorospar; (13) Feldspar; (14) Diatomite; (15)Perlite; (16) Vermice (17) Mica; (18) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.}	ng Plants?  y e, Gravel; Salt; ride, Kernite,	<b>(4.0</b> 5.11011)
2. 3.	Is the EU located at a fixed or portable nonmetallic mineral processing plant or hot mix asphalt plant that has an aboveground crusher or grinding mill?	Yes	□No □No □No
su	answer to any of the four Questions 1 -4 above is "No" then the EU is not subject to bpart OOO so skip the following questions and go directly to Question 24. the answer to all of the four Questions 1-4 above is "Yes" then continue to Question 5.		
6. 7.	Is the EU subject to 40 CFR part 60 subpart F (Portland Cement Plants) or subpart I (Hot Mix Asphalt Facilities), or does it follow in the plant process any other EU that is subject to 40 CFR part 60 subpart F or subpart I?	<ul><li>☐ Yes</li><li>☐ Yes</li><li>☐ Yes</li></ul>	□No □No
8.	Is the EU located at a common clay plant or pumice plant with capacity less than or equal to 9 megagrams/hour (10 tons/hour)?	☐ Yes	□No

#### 3 –NMMP Plant-screen ops, 32 sq.ft.

9. Is the EU a wet screening operation or subsequent screening operation, bucket elevator or belt conveyor in a production line that processes saturated material up to the first crusher, grinding mill or storage bin in the production line?	l ng	□No
10. Is the EU a screening operation, bucket elevator or belt conveyor in the production line downstream of wet mining operation that process saturated material up to the first crusher, grinding mill or storage bin in the production line?	☐ Yes	□No
If answer to any of the six Questions 5-10 above is "Yes" then the EU is not subject to subpart OOO so skip the following questions and go directly to Question 24.  If the answer to all of the six Questions 5-10 above is "No" then continue to Question 11.		
11. When was the EU last constructed, modified, or reconstructed?	□ <b>v</b>	□ N.
12. Was the EU constructed, modified, or reconstructed on or after 4/22/2008?	∐ Yes	No
If answer to Question 12 is "No" skip the following questions and go directly to Question 20		
<b>13. Does the EU have a particulate matter</b> <i>capture system</i> (equipment including enclosures, Hoods, fans, dampers, etc.) to capture and transport particulate matter to a control device?	☐ Yes	□No
If answer to Question 13 is "No" skip the following questions and go directly to Question 19		
a. Was an initial PM stack test performed on the control device within 180 days of initial startup of the EU?	☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐No ☐No ☐No
15. If the EU is a building enclosing any other regulated EUs and all enclosed EUs are not individually in compliance with emissions limits:  a. Was an initial PM stack test performed on each vent control device within 180 days of initial startup of the EU?	☐ Yes	□ No
one or more affected EUs.} b. If yes, was the EU found to be in compliance with the PM limit of 0.032 g/dscm (0.014 gr/dscf)? c. Was an initial VE test performed on fugitive emissions from non-vent building openings? d. Were initial fugitive emissions from non-vent building openings less than or equal to 7% opacity?	Yes Yes Yes	□No □No □No

#### 3 –NMMP Plant-screen ops, 32 sq.ft.

16. Is a baghouse used to control emissions from the EU?	Yes	□No
If yes, the owner operator:  conducts quarterly 30-minute VE tests using Method 22;  uses a bag leak detection system specified in 40 CFR 60.674(d);  follows the requirements of 40 CFR 63AAAAA Lime Manufacturi as specified in 40 CFR 60.674(e); or  none of the above (i.e., out of compliance)	ng	
17. If the EU is an individual, enclosed storage bin controlled by a baghouse, were initial fugitive emissions less than or equal to 7% opacity?   N/A	Yes	☐ No
18. Is a wet scrubber used to control emissions from the EU?	☐ Yes	□No
If yes, does the owner/operator maintain and operate:		110
a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?		□No
b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions? {Note: The monitoring device must be certified by the manufacturer to be accurate within +5% of design scrubbing liquid flow rate.}		□No
19. Is wet suppression used to control emissions from the EU?	☐ Yes	□No
<ul> <li>If yes:</li> <li>a. Does the owner/operator perform monthly inspections to check that water is flowing to the discharge spray nozzles?</li> <li>b. Does the owner/operator initiate corrective action within 24 hours and complete corrective action as expediently as practical is water is not flowing properly?</li> <li>c. Is each inspection of the spray nozzles, including the date and any corrective action taken,</li> </ul>		
recorded in the written or electronic logbook as required by 40 CFR 60.676(b)?  If the EU was constructed, modified, or reconstructed on or after 4/22/2008 skip the following questions and go directly to Question 24.	∐ Yes	□No
<b>20. Does the EU have a particulate matter</b> <i>capture system</i> (equipment including enclosures, Hoods, fans, dampers, etc.) to capture and transport particulate matter to a control device?	☐ Yes	□No
21. Initial Tests:		
a. Was an initial PM stack test performed on the control device within 180 days of initial startup of the EU?	☐ Yes ☐ Yes ☐ Yes ☐ Yes	☐ No ☐No ☐No ☐No

#### 3 –NMMP Plant-screen ops, 32 sq.ft.

individually in compliance with emissions limitis:  a. Was an initial PM stack test performed on each vent control device within 180 days of initial starrup of the EU?    N/A   Yes   No	22. If the EU is a building enclosing any		and all enclosed EUs are not			
initial startup of the EU?						
(A"vent" is any opening through which there is mechanically induced air flow for the purpose of exhausting from a building air carrying particulate matter (PM) emissions from one or more affected EUs.}  b. Was the EU found to be in compliance with the PM limit of 0.05 g/dscm (0.022 gr/dscf)?	<ul> <li>a. Was an initial PM stack test perfor</li> </ul>	med on each vent contr	ol device within 180 days of			
purpose of exhausting from a building air carrying particulate matter (PM) emissions from one or more affected EUS.]  b. Was the EU found to be in compliance with the PM limit of 0.05 g/dscm (0.022 gr/dscf)?				/A	∐ Yes	∐ No
b. Was the EU found to be in compliance with the PM limit of 0.05 g/dscm (0.022 gr/dscf)? Yes						
b. Was the EÜ found to be in compliance with the PM limit of 0.05 g/dscm (0.022 gr/dscf)?   ves   No c. Were initial fugitive emissions from non-vent building openings less than or equal to 7% opacity?   ves   No lf yes, does the owner/operator maintain and operate:  a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?   ves   No {Note: The monitoring device must be certified by the manufacturer to be accurate within +250 pascals +1 inch water gauge pressure.}  and  b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?   ves   No {Note: The monitoring device must be certified by the manufacturer to be accurate within +5% of design scrubbing liquid flow rate.}  24. When was the last VE test conducted by the owner/operator for this EU? 9/1/2010  a. If EU is not subject to 40 CFR 60 subpart OOO. has the EU been tested within the past 5 years?   ves   No ii. has the EU been tested during each of the past 4 calendar year?   ves   No ii. has the EU been tested during each of the past 4 calendar year?   ves   No a. Was the VE test conducted by the owner/operator for this unit during this site visit?   ves   No a. Was the VE test conducted at a process rate that is representative of the normal rate?   ves   No a. Was the VE test conducted according to EPA Method 9?   ves   No a. Was the VE test conducted according to EPA Method 9?   ves   No a. Was the VE test conducted by the inspector for this unit during this site visit?   ves   No a. Was the VE test conducted by the inspector for this unit during this site visit? _		air carrying particula	te matter (PM) emissions from			
c. Were initial fugitive emissions from non-vent building openings less than or equal to 7% opacity?-			60.05 /1 /0.000 /1 0.0			
23. Is a wet scrubber used to control emissions from the EU?					=	=
If yes, does the owner/operator maintain and operate: a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?	c. Were initial fugitive emissions from	n non-vent building ope	enings less than or equal to 7%	opacity?	∐ Yes	□No
If yes, does the owner/operator maintain and operate: a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?	22 Is a wat samphon used to control on	sissions from the FII2			□ Voc	□ No
a. a device for the continuous measurement of the pressure loss of the gas stream through the scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?  [Note: The monitoring device must be certified by the manufacturer to be accurate within +250 pascals +1 inch water gauge pressure.]  and  b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?					☐ 1es	NO
scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?————————————————————————————————————			oss of the gas stream through the	e.		
Instructions?   Yes   No						
Note: The monitoring device must be certified by the manufacturer to be accurate within +250   pascals +1 inch water gauge pressure.]   and					☐ Yes	□No
pascals +1 inch water gauge pressure.}  and b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions?						
b. a device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber and the device has been calibrated on an annual basis in accordance with manufacturer's instructions? Yes {Note: The monitoring device must be certified by the manufacturer to be accurate within +5% of design scrubbing liquid flow rate.}  24. When was the last VE test conducted by the owner/operator for this EU? 9/1/2010  a. If EU is not subject to 40 CFR 60 subpart OOO, has the EU been tested within the past 5 years? YesNo  b. If EU is subject to 40 CFR subpart OOO:  i. has the EU been tested during each of the past 4 calendar years? YesNo  ii. has the EU been tested yet within the current calendar year? YesNo  25. Was a VE test conducted by the owner/operator for this unit during this site visit? YesNo  a. Was the VE test conducted at a process rate that is representative of the normal rate? YesNo  c. The VE test conducted according to EPA Method 9? YesNo  c. The VE test resulted in an opacity of% for the highest six-minute average.  d. Did the VE test conducted by the inspector for this unit during this site visit? YesNo  a. Was the VE test conducted by the inspector for this unit during this site visit? YesNo  a. Was the VE test conducted by the inspector for this unit during this site visit? YesNo  a. Was the VE test conducted by the inspector for this unit during this site visit? YesNo  a. Was the VE test conducted a process rate that is representative of the normal rate? YesNo  a. Was the VE test conducted a process rate that is representative of the normal rate? YesNo  a. Was the VE test conducted according to EPA Method 9? YesNo  a. Was the VE test conducted according to EPA Method 9? YesNo  a. Was the VE test conducted according to EPA Method 9? YesNo  a. Was the VE test conducted according to EPA Method 9? YesNo  a. Was the VE test conducted according to EPA Method 9? YesNo  a. Was		•				
device has been calibrated on an annual basis in accordance with manufacturer's instructions? -		•				
{Note: The monitoring device must be certified by the manufacturer to be accurate within +5% of design scrubbing liquid flow rate.}  24. When was the last VE test conducted by the owner/operator for this EU? 9/1/2010  a. If EU is not subject to 40 CFR 60 subpart OOO; has the EU been tested within the past 5 years?					e	
24. When was the last VE test conducted by the owner/operator for this EU? 9/1/2010  a. If EU is not subject to 40 CFR 60 subpart OOO, has the EU been tested within the past 5 years?					Yes Yes	□No
24. When was the last VE test conducted by the owner/operator for this EU? 9/1/2010  a. If EU is not subject to 40 CFR 60 subpart OOO; i. has the EU been tested within the past 5 years?			manufacturer to be accurate with	nin +5%		
a. If EU is not subject to 40 CFR 60 subpart OOO, has the EU been tested within the past 5 years?	of design scrubbing liquid flow	rate.}				
a. If EU is not subject to 40 CFR 60 subpart OOO, has the EU been tested within the past 5 years?	24 3371 41 1 4 375 4 4 1 4	11 41 /	4 . C . 41 . FH 0 0/1/2010			
b. If EU is subject to 40 CFR subpart OOO:  i. has the EU been tested during each of the past 4 calendar years?				0	□ <b>3</b> 7	□ N.
i. has the EU been tested during each of the past 4 calendar years?			U been tested within the past 5	years?	⊥ Yes	□No
ii. has the EU been tested yet within the current calendar year?			ndar voare?		□ Vec	□ No
25. Was a VE test conducted by the owner/operator for this unit during this site visit? — Yes					=	
a. Was the VE test conducted at a process rate that is representative of the normal rate?	n. has the De been tested yet wi	unii the current calchad	ii year.		103	140
a. Was the VE test conducted at a process rate that is representative of the normal rate?	25. Was a VE test conducted by the own	ner/operator for this u	nit during this site visit?		☐ Yes	⊠No
Bate:					=	
c. The VE test resulted in an opacity of		1			_	
d. Did the VE test demonstrate compliance with the opacity limit? (See chart below). ————————————————————————————————————	b. Was the VE test conducted accord	ing to EPA Method 9? -			☐ Yes	□No
26. Was a VE test conducted by the inspector for this unit during this site visit? —						
a. Was the VE test conducted at a process rate that is representative of the normal rate? YesNo Rate: b. Was the VE test conducted according to EPA Method 9? YesNo c. The VE test resulted in an opacity of% for the highest six-minute average.  d. Did the VE test demonstrate compliance with the opacity limit? (See chart below) YesNo  ### VE Opacity Limits    EU not subject to	d. Did the VE test demonstrate comp	liance with the opacity	limit? (See chart below)		Yes Yes	□No
a. Was the VE test conducted at a process rate that is representative of the normal rate? YesNo Rate: b. Was the VE test conducted according to EPA Method 9? YesNo c. The VE test resulted in an opacity of% for the highest six-minute average.  d. Did the VE test demonstrate compliance with the opacity limit? (See chart below) YesNo  ### VE Opacity Limits    EU not subject to					_	_
Bate: b. Was the VE test conducted according to EPA Method 9?			C			=
b. Was the VE test conducted according to EPA Method 9?		cess rate that is represe	entative of the normal rate?		∐ Yes	∐No
c. The VE test resulted in an opacity of% for the highest six-minute average.  d. Did the VE test demonstrate compliance with the opacity limit? (See chart below) YesNo    VE Opacity Limits   Subpart OOO EU constructed, modified, or reconstructed, modified, or reconstructed prior to 4/22/2008   Or reconstructed on or after 4/22/2008		EDAM 1 100			□ <b>x</b> z	
d. Did the VE test demonstrate compliance with the opacity limit? (See chart below). ————————————————————————————————————					∐ Yes	∐No
VE Opacity Limits         EU not subject to 40 CFR 60 Subpart OOO       Subpart OOO EU constructed, modified, or reconstructed prior to 4/22/2008       Subpart OOO after 4/22/2008       Subpart OOO after 4/22/2008         Crusher with no capture system       20%       15%       12%					□ Vac	□ No
EU not subject to 40 CFR 60 constructed, modified, or reconstructed prior to 4/22/2008  Crusher with no capture system  Subpart OOO EU constructed, modified, or reconstructed prior to 4/22/2008  15%  Subpart OOO EU constructed, modified, or reconstructed on or after 4/22/2008	d. Did the VE test demonstrate comp.	nance with the opacity.	mint? (See chart below)		☐ 1es	NO
EU not subject to 40 CFR 60 constructed, modified, or reconstructed prior to 4/22/2008  Crusher with no capture system  Subpart OOO EU constructed, modified, or reconstructed prior to 4/22/2008  15%  Subpart OOO EU constructed, modified, or reconstructed on or after 4/22/2008						
40 CFR 60 constructed, modified, or reconstructed prior to 4/22/2008 crusher with no capture system constructed prior 20% constructed prior to 4/22/2008 crusher with no capture system 20% 15% 12%		VE Opac	ity Limits			
40 CFR 60 constructed, modified, or reconstructed prior to 4/22/2008 crusher with no capture system constructed prior 20% constructed prior to 4/22/2008 crusher with no capture system 20% 15% 12%				Subpart	OOO EU	
Subpart OOO or reconstructed prior to 4/22/2008 or reconstructed on or after 4/22/2008  Crusher with no capture system 20% 15% 12%		· ·	_	_		ïed,
to 4/22/2008 after 4/22/2008  Crusher with no capture system 20% 15% 12%		Subpart OOO	*			
Crusher with no capture system 20% 15% 12%			_			-
	Crusher with no capture system	20%				
7/0						
		2070	1070	I	. , , ,	

### **Facility Section (continued)**

REASONABLE PRECAUTIONS FOR UNCONFINED EMISSIONS	(check ☑ box for each	•
1. Does the owner/operator of the NMMP Plant take reasonable precautions to control unconfined		
emissions by:  a) Use of water suppression system(s) with spray bars located wherever unconfined emissions occur  (at the feeder(s), the entrance and exit of the crusher(s), the classifier screens, and the conveyor  drop points)?	Yes	□ No
b) Use of water trucks equipped with spray bars to apply water or effective dust suppressant(s) on a regular basis (to all stockpiles, roadways and work yards)? N/A  c) Paving and maintaining roads and parking areas? N/A  d) Removal of particulate matter from roads and other paved areas under control	☐ Yes ⊠ Yes	☐ No ☐ No
of the owner/operator to prevent re-entrainment, and from building or work areas to reduce airborne particulate matter? N/A	☐ Yes	☐ No
e) Reduction of stock pile height, or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles? N/A	Yes	☐ No
2. If reasonable precautions <u>not</u> being taken:  a) Did the inspector perform a general VE test (20% opacity)? N/A  b) If tested: ()% opacity. Were the visible emissions < 20% opacity?  c) What caused the problem(s) (if known)?	Yes Yes	⊠ No □No
CONFIRMATION OF GENERAL PERMIT ELIGIBILITY  1. Does this facility bear proceeds to show that it does not have the activities to switch	(check <b>☑</b> box for each of	only one question)
Does this facility keep records to show that it does not have the potential to emit:     a) 10 tons per year or more of any hazardous air pollutant?     b) 25 tons per year or more of any combination of hazardous air pollutants?     c) 100 tons per year or more of any other regulated air pollutant?	- 🛛 Yes	□No □No □No
2. Does this facility include:  a) any emission units or activities not covered by the applicable air general permit (with the exception units and activities that are exempt from permitting pursuant to subsection Rule 62-210.300(3) or Rule 62-4.040, F.A.C.)?  If YES, what non-exempt units or activities?	r	⊠No
b) any emissions units or activities authorized by another air general permit where such other air gene permit and this general permit specifically allow the use of one another at the same facility?		⊠No

<u>(</u>	Is the total combined annual facility-wide fuel usage of all plants less than or equal to:  a) 275,000 gallons of diesel fuel?		No  No  No  No  No
Gl	ENERAL CONDITIONS	(check ✓	only one
			only one h question)
	Allowed the emission of air pollutants without the proper operation of all applicable air pollution control devices?	☐ Yes	⊠No
۷.	Does the owner or operator:  a) maintain the authorized facility in good condition?	X Yes	□No
	b) ensure that the facility maintains its eligibility to use the air general permit and complies with all terms and conditions of the air general permit?	⊠ Yes	□No
3.	Has the owner or operator allowed you, as the duly authorized representative of the Department, access to the facility at reasonable times to inspect and test and to determine compliance with the air general permit and Department rules?		□No
DI	EL OCATABLE DI ANT		
	The facility:  is stationary; is relocatable; or consists of both stationary and relocatable NMMP and/or concrete batching plants. (If only stationary, skip the following questions 2 and 3.)	(check <b>✓</b> box for eac	only one h question)
2.	For a relocated NMMP plant:  a) did the owner or operator notify the appropriate Department or Local Air Program by telephone, e-mail, fax, or written communication at least one business day prior to changing location? b) did the owner or operator transmit a Facility Relocation Notification Form [DEP No. 62-210.900(6 to the Department or Local Air Program no later than five business days following relocation?	5)]	□No
3.	If the relocatable NMMP plant was co-located at a facility with a separate air construction or air operate permit, and the relocatable NMMP plant is <u>not</u> included as an emissions unit in that separate permit:  a) was the relocatable NMMP plant being used for a non-routine purpose?		□No □No □No

CHANGES  Administrative Changes:	(check $\square$ only one box for each question)
<ol> <li>Were there any changes in the name, address, or phone rassociated with a change in ownership or with a physica operations comprising the facility; or any other similar name.</li> <li>If YES, did the facility provide written notification with</li> </ol>	l relocation of the facility or any emissions units or ninor administrative change at the facility? YesNo
New or Modified Process Equipment or Change in Ownersl  3. Since the last registration form submittal has there been a) Installation of any new process equipment? b) Alterations to existing process equipment without rep c) Replacement of existing equipment with equipment t d) A change in ownership?	
Sangeeta Sharma	02/09/2011
Inspector's Name (Please Print)	Date of Inspection
Inspector's Signature	Approximate Date of Next Inspection
COMMENTS:	