



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

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SECRETARY

PERMITTEE:

A Mining Group, LLC
Post Office Box 1829
Lake City, Florida 32056

Permit/Cert Number: 7775281-007-AO
Date of Issue: April 25, 2014
Expiration Date: April 25, 2019

Authorized Representative:
Mr. Brian Schreiber, Secretary

Project: Air Operation Permit for Taylor County Mine

PROJECT AND LOCATION

This permit authorizes the operation of a Non-Metallic Mineral Processing Plant (Standard Industrial Classification No. 1422). The facility is located in Taylor County at 19080 W. U.S. Highway 98, Lamont, Florida 32348. The UTM coordinates are Zone 17, 219.43 km East, and 3340.91 km North.

This location is on contiguous property with the Anderson Columbia Co., Inc. Asphalt Plant No. 15. Both operations share common ownership and therefore pursuant to Rule 62-210.200(134), F.A.C., are defined as a single facility.

This final permit is organized by the following sections.

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

SECTION 1. GENERAL INFORMATION

Executed in Jacksonville, Florida.



Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management Program

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on April 25, 2014 to the persons listed below.

Mr. Brian Schreiber, A Mining Group, LLC (e-mail address: brians@andersoncolumbia.com)
Mr. Scott Cleveland, A Mining Group, LLC (e-mail address: ScottC@andersoncolumbia.com)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

(Date)

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

This facility consists of limestone quarry and nonmetallic mineral processing plant. Limestone is excavated and then processed to produce crushed stone meeting various specifications. Processing operations include hauling, crushing, screening, conveying, stockpiling, truck loading, and product handling. All power for the process equipment will be provided via electricity. Water sprays are applied at various points of the process and on the utilized roads to reduce the fugitive particulate emissions. The existing facility consists of the following emissions unit and emission points:

Facility ID No. 7775281	
ID No.	Emission Unit Description
001	Non-Metallic Mineral Processing Plant

Crushing Operations Emissions Points	
Emission Point	Description
01	Primary Crusher
02	Tower 2 Crusher
03	Tower 3 Crusher

Screening Operations Emissions Points	
Emission Point	Description
04	Tower 1 Screen
05	Tower 2 Wash Screen
06	Tower 4 Wash Screen
07	Tower 4 Dewatering Screens

Conveyor System Emissions Points			
Emission Points	Description	Emission Points	Description
01 Note(1)	Primary Crusher Hopper	011	Field Transfer (unit 3) to Field Transfer (unit 4)
01 Note(1)	Primary Crusher Hopper to Primary Crusher	012	Field Transfer (unit 4) to Field Transfer (unit 5)
01 Note(1)	Primary Crusher to Under Crusher Conveyor	013	Field Transfer (unit 5) to Field Transfer (unit 6)
08	Under Crusher Conveyor to Field Transfer (unit 1)	014	Field Transfer (unit 6) to Field Transfer (unit 7)
09	Field Transfer (unit 1) to Field Transfer (unit 2)	015	Field Transfer (unit 7) to Field Transfer (unit 8)

SECTION 1. GENERAL INFORMATION

Conveyor System Emissions Points			
Emission Points	Description	Emission Points	Description
010	Field Transfer (unit 2) to Field Transfer (unit 3)	016	Field Transfer (unit 8) to Overland Conveyor 2

Conveyor System Emissions Points			
Emission Points	Description	Emission Points	Description
017	Overland Conveyor 2 to Overland Conveyor 1	036	Conveyor C-29 to Conveyor C-29ST
018	Overland Conveyor 1 to Tower 1 Screen	037	Tower 2 Wash Screen to Conveyor C-31
019	Tower 1 Screen to Conveyor C-20	038	Conveyor C-31 through splitter to Conveyor C-34
021	Tower 1 Screen to Reverse Conveyor	039	Conveyor C-34 to Conveyor C-34ST
020	Conveyor C-20 to Conveyor C-20ST	040	Tower 2 Wash Screen to Dewatering Screen
022	Conveyor C-21 to Tower 3 Crusher	041	Dewatering Screen to Conveyor C-32
023	Tower 3 Crusher to Conveyor C-22	042	Conveyor C-32 through splitter to Conveyor C-35
024	Conveyor C-22 to Tower 4 Wash Screen	043	Conveyor C-35 to Conveyor C-35ST
025	Tower 4 Wash Screen to Conveyor C-23	044	Reverse Conveyor to Conveyor C-33
026	Conveyor C-23 to Tower 3 Crusher	045	Conveyor C-33 to Conveyor C-33ST
027	Tower 4 Wash Screen to Conveyor C-24	046	Recycle Bin to Recycle Bin Conveyor
028	Conveyor C-24 to Conveyor C-24ST	047	Recycle Bin Conveyor to Overland Conveyor 1
029	Tower 4 Wash Screen to Conveyor C-25ST	048	Conveyor C-50 to Conveyor C-51
030	Tower 4 Wash Screen to Conveyor C-26	049	Conveyor C-51 to Conveyor C-52
031	Conveyor C-26 to Conveyor C-26ST	050	Conveyor C-52 to Truck Loadout Bin 1
032	Reverse Conveyor to Conveyor C-27	051	Conveyor C-52 to Truck Loadout Bin 2
033	Conveyor C-27 to Tower 2 Wash Screen	052	Conveyor C-51 to Truck Loadout Bin 3
02 Note(1)	Tower 2 Wash Screen to Tower 2 Crusher		

SECTION 1. GENERAL INFORMATION

Conveyor System Emissions Points			
Emission Points	Description	Emission Points	Description
02 Note(1)	Tower 2 Crusher to Conveyor C-28		
034	Conveyor C-28 to Conveyor C-27		
035	Tower 2 Wash Screen to Conveyor C-29		

Note (1) Meets definition of an affected source, however, according to applicant cannot be separated so that the opacity from each source can be read.

Bin and Truck Loadout Stations Emissions Points	
Emission Points	Description
047	Recycle Bin – 10 ton
050 Note(1)	Load-out Bin 1 – 100 tons
051 Note(1)	Load-out Bin 2 – 100 tons
052 Note(1)	Load-out Bin 3 – 100 tons

Note(1) Meets definition of an affected source, however, according to applicant cannot be separated so that the opacity from each source can be read.

FACILITY REGULATORY CLASSIFICATIONS

- The facility **is not** a major source of hazardous air pollutants (HAP).
- The facility **has no** units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility **is not** a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility **is not** a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- The facility **has** one or more emissions units subject to NSPS.

REGULATORY CLASSIFICATION

The Non-Metallic Mineral Processing Plant is subject to the requirements of 40 CFR 60, Subpart A – General Provisions and 40 CFR 60, Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants, adopted and incorporated by reference in Rule 62-204.800, F.A.C.

Fugitive emissions from aggregate stockpiles and vehicular traffic areas are controlled pursuant to the requirements of Rule 62-296.320(4)(c),F.A.C. – Unconfined Emissions of Particulate Matter.

SECTION 1. GENERAL INFORMATION

FOR INFORMATIONAL PURPOSES, POLLUTANT ESTIMATED EMISSIONS

The following table (for informational purposes) contains estimated potential emissions either provided in previous air permit applications or in Department files, for all emission sources permitted to operate at this facility. The total combined potential emissions are below the thresholds that would require Title V permitting in accordance with Chapter 62-213, F.A.C.

	Emissions Source	Particulate (PM) (tons/year)	Sulfur Dioxide (SO ₂) (tons/year)	Carbon Monoxide (CO) (tons/year)	Nitrogen Oxide (NO _x) (tons/year)	Volatile Organic Compounds (VOC) (tons/year)
Asphalt Plant Emission Sources	Double barrel dryer/drum mixer	7.27	74.56 ¹	26.0	11.00	6.4
	Asphalt Cement Tank Heater	0.27	4.30	0.14	1.51	0.03
	Lime Storage Silo	0.17	---	---	---	---
	Storage Silos Filling	0.118	---	0.24	---	2.44
	Truck Load-Out	0.104	---	0.26	---	0.82
RAP Processing Emission Sources	RAP Crushing System	3.63	---	---	---	---
	200 HP Diesel Engine	0.176	0.168	0.54	2.48	0.2
RAP Processing Emission Sources	Front-End Loader & Truck Traffic	7.21	---	---	---	---
A Mining Group Taylor County Limestone Mine	Fugitives	67.82 ²	---	---	---	---
Facility-Wide Total Potential Emissions		86.73	79.03	27.18	14.99	9.89

¹ Potential SO₂ emissions for Double Barrel Dryer/Drum Mixer calculated stoichiometrically based on 1,200,000 gallon per consecutive 12-month period facility fuel consumption limitation and accounting for the reduction in SO₂ emissions due to the amount of fuel-bound sulfur expected to be retained in the product (absorbed by alkaline aggregate).

² Potential emissions included in facility-wide emissions determination pursuant to Rule 62-210.300(3)(c)1., F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Waste and Air Resource Management Program. The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance. The mailing address and phone number of the Northeast District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256 and Phone Number 904) 256-1700.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions; and
 - d. Appendix D. Common Testing Requirements.
 - e. 40 CFR 60 Subpart A – General Provisions
 - f. 40 CFR 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.

[Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification.

[Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Construction Permit Required. Unless exempt from permitting pursuant to Rule 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the air pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of Chapter 62-210, F.A.C., Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C.

[Rule 62-210.300(1)(a), F.A.C.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS

8. Application for Non-Title V Operation Permit Renewal: A completed Application for Air Permit –Non-Title V Source (DEP Form No. 62-210.900(3), F.A.C.), shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.

[Rules 62-4.030, 62-4.055, 62-4.220, 62-210.300(1)(a), and 62-4.210.300(2), F.A.C.]

9. The ID Number and Project Name for this source shall be used on all correspondences.

10. Definitions. Rules 62-210.200(159), (230) and (245), F.A.C. define the following terms.

- a. *Startup* is defined as the commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions.
- b. *Shutdown* is the cessation of the operation of an emissions unit for any purpose.
- c. *Malfunction* is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.

[Rule 62-210.200(159), (230), and (245), FAC.]

11. During such time that the ACCI Plant No. 15 is located on adjacent or contiguous property with the A Mining Group, LLC, Taylor County Limestone Mine (Taylor County Mine), the Taylor County Mine is not eligible to operate under the Nonmetallic Mineral Processing Plant (Crusher) Air General Permit in accordance with Rule 62-210.310(2), F.A.C.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

The following specific conditions apply to the Emissions Unit and Emission Points listed below:

Emissions Unit	Brief Description
001	Non-Metallic Mineral Processing Plant

EQUIPMENT

A.1. Non-metallic Mineral Processing Plant: The permittee is authorized to operate a Non-Metallic Mineral Processing Plant consisting of the emission points identified within this permit, and associated equipment (electric crushers, screens, conveyors, bins and truck loading operation).

[Application No. 7775281-003-AO]

PERFORMANCE RESTRICTIONS

A.2. Hours of Operation: The hours of operation of the Non-Metallic Processing Plant are not restricted: 24 hours/day; 7 days/week; 52 weeks/year (8760 hours/year).

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

A.3. Permitted Capacity: Pursuant to 40 CFR 60.671, the primary crushing capacity of the facility is 500 tons per hour.

[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.; Application No. 7775281-003-AO, 40 CFR 60.671]

EMISSION LIMITS AND STANDARDS

{Permitting Note: Unless otherwise specified, the averaging times for these conditions are based on the specified averaging time of the applicable test method.}

A.4. Affected Facilities of NSPS, Subpart OOO: The affected facilities consists of: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station

[40 CFR 60.670(a)(1)]

A.5. Conveyor Transfer Points & Dry Screening Operations Visible Emissions: No owner or operator shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in **Specific Condition Nos. A.6. and A.7.**

A Transfer Point means a point in a conveying operation where the nonmetallic mineral is transferred to or from a belt conveyor except where the nonmetallic mineral is being transferred to a stockpile [40 CFR 60.671].

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

[40 CFR 60.672(b)]

A.6. Crushers Visible Emissions: No owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

[40 CFR 60.672(b)]

A.7. Truck Dumping Visible Emissions: Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the opacity limitation specified in **Specific Condition Nos. A.5. and A.6.** as applicable.

[40 CFR 60.672(d)]

A.8. The opacity standards stated in **Specific Condition Nos. A.5. through A.7.** apply at all times except during periods of startup, shutdown, and malfunction of the emissions unit.

[40 CFR 60.11(c)]

A.9. Applicable VE Limit to Each Emissions Point: The tables below summarize the applicable visible emissions limit to each emissions point as defined by this permit. This table does not supersede the terms and requirements of **Specific Condition Nos. A.5. through A.7.** of this permit.

Crushing Operation Emissions Points					
Emission Point	Description	Model	Capacity (TPH)	Visible Emissions Limit	Rule
01 Note (1)	One (1) Lippman Crusher -Primary -Mfr date: 2006	3650	500	≤ 15 %	40 CFR 60.672(b)
02	One (1) Tower 2 Wet Crusher -Stedman -Mfr date: 2008	4860	500	≤ 15 %	40 CFR 60.672(b)

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

Crushing Operation Emissions Points					
Emission Point	Description	Model	Capacity (TPH)	Visible Emissions Limit	Rule
03	One (1) Tower 3 Crusher -Stedman -Mfr date: 2006	6490	1000	≤ 15 %	40 CFR 60.672(b)

Screening Operation Emissions Points					
Emission Point	Description	Model	Capacity (TPH)	Visible Emissions Limit	Rule
04	One (1) Screen Tower 1 -Deister -Mfr date: 2005	2820	1500	≤ 10 %	40 CFR 60.672(b)
05	One (1) Wash Screen Tower 2 -Deister -Mfr date: 2008	3820	1000	≤ 10 %	40 CFR 60.672(b)
06	One (1) Wash Screen Tower 4 -Deister -Mfr date: 2006	3824	1000	≤ 10 %	40 CFR 60.672(b)
07	Two (2) Dewatering Screens (Tower 4)	---	---	≤ 10 %	40 CFR 60.672(b)

Conveyor System Emissions Points			
Emission Point	Description	Visible Emissions Limit	Rule
01 Note (1)	Primary Crusher Hopper	≤ 15 %	40 CFR 60.675(e)(1)
01 Note (1)	Primary Crusher Hopper to Primary Crusher	≤ 15 %	

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

Conveyor System Emissions Points			
01 Note (1)	Primary Crusher to Under Crusher Conveyor	≤ 15 %	40 CFR 60.675(e)(1)
08	Under Crusher Conveyor to Field Transfer (unit 1)	≤ 10 %	40 CFR 60.672(b)
09	Field Transfer (unit 1) to Field Transfer (unit 2)	≤ 10 %	
010	Field Transfer (unit 2) to Field Transfer (unit 3)	≤ 10 %	
011	Field Transfer (unit 3) to Field Transfer (unit 4)	≤ 10 %	
012	Field Transfer (unit 4) to Field Transfer (unit 5)	≤ 10 %	
013	Field Transfer (unit 5) to Field Transfer (unit 6)	≤ 10 %	
014	Field Transfer (unit 6) to Field Transfer (unit 7)	≤ 10 %	
015	Field Transfer (unit 7) to Field Transfer (unit 8)	≤ 10 %	
016	Field Transfer (unit 8) to Overland Conveyor 2	≤ 10 %	
017	Overland Conveyor 2 to Overland Conveyor 1	≤ 10 %	
018	Overland Conveyor 1 to Tower 1 Screen	≤ 10 %	
019	Tower 1 Screen to Conveyor C-20	≤ 10 %	
020	Conveyor C-20 to Conveyor C-20ST	≤ 10 %	
021	Tower 1 Screen to Reverse Conveyor	≤ 10 %	
022	Conveyor C-21 to Tower 3 Crusher	≤ 10 %	
023	Tower 3 Crusher to Conveyor C-22	≤ 10 %	40 CFR 60.672(b)
024	Conveyor C-22 to Tower 4 Wash Screen	≤ 10 %	
025	Tower 4 Wash Screen to Conveyor C-23	≤ 10 %	
026	Conveyor C-23 to Tower 3 Crusher	≤ 10 %	40 CFR 60.672(b)
027	Tower 4 Wash Screen to Conveyor C-24	≤ 10 %	
028	Conveyor C-24 to Conveyor C-24ST	0 %	
029	Tower 4 Wash Screen to Conveyor C-25ST	0 %	
030	Tower 4 Wash Screen to Conveyor C-26	0 %	
031	Conveyor C-26 to Conveyor C-26ST	0 %	40 CFR 60.672(b)
032	Reverse Conveyor to Conveyor C-27	≤ 10 %	
033	Conveyor C-27 to Tower 2 Wash Screen	≤ 10 %	
02 Note(1)	Tower 2 Wash Screen to Tower 2 Crusher	≤ 10 %	40 CFR 60.672(b) 40 CFR 60.675(e)(1)
02 Note(1)	Tower 2 Crusher to Conveyor C-28	≤ 10 %	
034	Conveyor C-28 to Conveyor C-27	≤ 10 %	40 CFR 60.672(b)
035	Tower 2 Wash Screen to Conveyor C-29	≤ 10 %	
036	Conveyor C-29 to Conveyor C-29ST	≤ 10 %	
037	Tower 2 Wash Screen to Conveyor C-31	≤ 10 %	
038	Conveyor C-31 through splitter to Conveyor C-34	≤ 10 %	
039	Conveyor C-34 to Conveyor C-34ST	≤ 10 %	
040	Tower 2 Wash Screen to Dewatering Screen	≤ 10 %	

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

Conveyor System Emissions Points					
Emission Point	Description	Size	TPH Rate	Visible Emissions Limit	Rule
041	Dewatering Screen to Conveyor C-32			≤ 10 %	40 CFR 60.672(b)
042	Conveyor C-32 through splitter to Conveyor C-35			≤ 10 %	
043	Conveyor C-35 to Conveyor C-35ST			≤ 10 %	
044	Reverse Conveyor to Conveyor C-33			≤ 10 %	40 CFR 60.672(b)
045	Conveyor C-33 to Conveyor C-33ST			≤ 10 %	
046	Recycle Bin to Recycle Bin Conveyor			≤ 10 %	
047 Note(1)	Recycle Bin Conveyor to Overland Conveyor 1			≤ 10 %	
048	Conveyor C-50 to Conveyor C-51			≤ 10 %	40 CFR 60.672(b)
049	Conveyor C-51 to Conveyor C-52			≤ 10 %	
050 Note(1)	Conveyor C-52 to Truck Loadout Bin 1			≤ 10 %	40 CFR 60.675(e)(1)
051 Note(1)	Conveyor C-52 to Truck Loadout Bin 2			≤ 10 %	40 CFR 60.675(e)(1)
052 Note(1)	Conveyor C-51 to Truck Loadout Bin 3			≤ 10 %	40 CFR 60.675(e)(1)

Bin and Truck Loadout Stations Emissions Points					
047 Note(1)	Recycle Bin – 10 ton -Mfr date: 2005 10 tons			≤ 10 %	40 CFR 60.672(b) 40 CFR 60.675(e)(1)
050 Note(1)	Load-out Bin 1 100 tons			≤ 10 %	
051 Note(1)	Load-out Bin 2 100 Tons			≤ 10 %	
052 Note(1)	Load-out Bin 3 100 Tons			<10%	

Note(1) Meets definition of an affected source, however, according to applicant cannot be separated so that the opacity from each source can be read. Pursuant to 40 CFR 60.675(e)(1), the highest fugitive opacity standard applicable to any of the emission points contributing to the emission stream is the fugitive opacity standard for the combined emission stream.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

A.10. General Visible Emissions Standard: Except for emissions unit that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharge into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on Ringelmann Chart (20% opacity). Compliance shall be determined by EPA Method 9 upon Department's request, incorporated and adopted by reference in Rule 62-297, F.A.C.

[Rule 62-296.320(4)(b)1., F.A.C.]

A.11. Open Burning Prohibition: Open burning is prohibited, except when determined by the Department to be the only feasible method of operation and authorized by this permit or an emergency exists which requires immediate action to protect human health and safety.

[Rule 62-296.320(3)(a)&(b), F.A.C.]

A.12. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. Objectionable odor, is an odor present in the outdoor atmosphere which by itself or by combination with other odors, is or maybe harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which create a nuisance.

[Rule 62-296.320(2) and 62-210.200 (200), F.A.C.]

A.13. Volatile Organic Compounds Emissions or Organic Solvents Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.

[Rule 62-296.320(1), F.A.C.]

A.14. Unconfined Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of material; construction, alteration, demolition or wrecking; or industrially activity such as loading, unloading, storing and handling; without taking reasonable precaution to prevent such emissions. Reasonable precautions may include but are not limited to the followings, as necessary:

- a. Reduced speed for vehicular traffic.
- b. Use of dust suppressants or wetting agents.
- c. Use of paving or other asphaltic materials.
- d. Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or wetting prior to sweeping.
- e. Covering of trucks, trailers, frontend loader and other vehicles or containers to prevent spillage of particulate matter during transport.
- f. Use of mulch, hydro seeding, grassing and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
- g. Use of hoods, fans, filters and similar equipment to contain, capture and prevent particulate matter.
- h. Enclosure or covering of conveyor systems.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

A.14. continued:

- i. Confining abrasive blasting where possible.
- j. Sprinkling or otherwise wetting or conveyor systems.
- k. Use of a water truck to water the entire route of unpaved roads at the operation site travelled by vehicular traffic on at least a twice per day basis, as needed.
- l. Use of a water truck or effective dust suppressant on a regular basis to all stockpiles, roadways, and work yards where the nonmetallic mineral processing plant is located to control unconfined emissions generated by vehicular traffic or wind.

[Rule 62-296.320(4)(c), F.A.C.; Application No. 7775281-003-AO]

A.15. This emissions unit is also subject to the applicable requirements 40 CFR 60, Subpart A – General Provisions as specified in Table 1 (Attachment to this permit).

[40 CFR 60.670(f)]

EXCESS EMISSIONS

A.16. Minimization of Emissions: At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

[40 CFR 60.11(d)]

TEST METHODS AND PROCEDURES

A.17. Visible Emissions- Each Emissions Point Nos. 01- 052:

The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C., and the procedures in 40 CFR 60.11 with the following additions:

The test shall be conducted by an observer certified in accordance with the requirements of Rule 62-297.320, F.A.C. – Standards for Persons Engaged in Visible Emissions Observations.

A visible emissions test for each emission point shall be conducted on an annual basis, at least once each federal fiscal year (October 1 – September 30).

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

A.17. continued:

The minimum distance between the observer and the emission source shall be 15 feet.

The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

[40 CFR 60.675(c)(1); 40 CFR 60.675(c)(1)(i); 40 CFR 60.675(c)(1)(ii); 40 CFR 60.675(c)(1)(iii); Rule 62-297.310(7)(a)4.a., F.A.C.]

A.18. **Visible Emissions Reference Method and Procedure Alternatives:** If emissions from two or more of Emission Point Nos. 01 through 052 cannot be read, either of the following procedures may be used:

1. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the emission points contributing to the emission stream.
2. Separate the emissions so that the opacity of emissions from each emission point can be read.

[40 CFR 60.675(e)(1); Application No. 7775281-003-AO]

A.19. **EPA Method 9- Required Sampling Time:** The required minimum period of observation for each compliance test shall be thirty (30) minutes. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[40 CFR 60.11(b); Rule 62-297.310(4)(a)2., F.A.C.]

A.20. **Compliance Test Procedures & Notification:** The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310(7)(a)9., F.A.C.]

A.21. **Compliance Test Reports:** The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310(8), F.A.C.; 40 CFR 60.676(f)]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

NOTIFICATIONS, RECORDKEEPING AND REPORTING REQUIREMENTS

A.22. Crushers/Screening Operations -Water Spray Maintenance and Operation Records: The water sprays at the crushers and screening operations shall be inspected and maintained in accordance with the recommendations developed for the equipment by the vendor. Inspection and maintenance documentation shall be retained at the facility for at least 3 years and made readily available for inspection by the Department and, if applicable, the approved Local Program which has permitting/enforcement jurisdiction. Documentation shall include, but is not limited to the following:

- A. Date of inspection/maintenance / repair of the water spray system;
- B. Name of personnel performing the inspection/maintenance/repair work.

[Rule 62-4.070(3), F.A.C.]

A.23. Unconfined Emissions – Water Truck Water Application Recordkeeping: Documentation of water truck water application as stated in **Specific Condition A.14.**, shall be retained at the facility for at least 3 years and made readily available for inspection by the Department. Documentation shall include, but is not limited to the following:

- A. Twice per day record of the water application to the entire route of unpaved roads at the plant site travelled by vehicular traffic;
- B. Record of water application to stockpiles and work yards where the non-metallic mineral processing plant(s) are located;
- C. Date and time water application was performed;
- D. Identification of the unpaved roads that water was applied by water truck;
- E. Name and title of the personnel performing the water application.

[Rule 62-4.070(3), F.A.C.; Application No. 7775281-003-AO]

A.24. Additional 40 CFR 60 Subpart OOO Reporting Requirements: The permittee shall comply with the following:

- A. When an existing emissions source (one that is not subject to 40 CFR 60 Subpart OOO) is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing emission source, the emission source is exempt from the provisions of 40 CFR 60.672, Standard for Particulate Matter; 60.674, Monitoring of Operations; and 60.675, Test Methods and Procedures, but it is not exempt from any other requirements of Department rules or this permit.

If the permittee replaces all existing emission sources in a production line with new emission sources, the new emission sources become subject to and must comply with 40 CFR 60 Subpart OOO. Prior to the replacement, the permittee shall submit the information required by 40 CFR 60.676(a) to the Air Compliance Section of this Office. The requirements based on 40 CFR 60.676(a) are given below:

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

A. EU001 Non-Metallic Mineral Processing Plant

A.24. continued:

B. The following information about the existing source being replaced and the replacement piece of equipment shall be submitted to the Department and, if applicable, the approved Local Program which has permitting/enforcement jurisdiction.

- (1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:
 - (i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and
 - (ii) The rated capacity in tons per hour of the replacement equipment.
- (2) For a screening operation:
 - (i) The total surface area of the top screen of the existing screening operation being replaced and
 - (ii) The total surface area of the top screen of the replacement screening operation.
- (3) For a conveyor belt:
 - (i) The width of the existing belt being replaced and
 - (ii) The width of the replacement conveyor belt.
- (4) For a storage bin:
 - (i) The rated capacity in megagrams or tons of the existing storage bin being replaced and
 - (ii) The rated capacity in megagrams or tons of replacement storage bins.

[40 CFR 60.670(d); 40 CFR 60.676(a)]

A.25. Notification of Startup- Portable Aggregate Processing Plants: A notification of the actual date of initial startup of each affected facility shall be submitted to the Department. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. The notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

[40 CFR 60.676(i)]

A.26. Annual Operating Report: The owner or operator shall submit an Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) to the Department by April 1 of the following year. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.

[Rule 62-210.370(3)(c), F.A.C.]