Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

DRAFT PERMIT

PERMITTEE

ParexUSA, Inc.
2501 Highway 544
Haines City, FL 33845

Authorized Representative:
Mr. Bill Olsen, Regional Manager

Air Permit No. 1050386-004-AC
Permit Expires: 01/15/2013
Site Name : Haines City, FL
Minor Air Construction Permit
Project Name: Add a mixing/bagging line and increase throughput

This is the final air construction permit to add a mixing/bagging line with an associated dust collector and increase the annual raw material throughput limit from 26,000 TPY to 100,000 TPY at a tile grout blending facility. The proposed work will be conducted at the Haines City, FL plant (Standard Industrial Classification No. 3272). The facility is located in Polk County at 2501 Highway 544 in Haines City, Florida. The UTM coordinates are Zone 17, 440.39 km East, and 3106.34 km North. As noted in the Final Determination provided with this final permit, no changes or only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to 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.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

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.

Executed in Hillsborough County, Florida

DRAFT

_____ _____

Robert C. Wong Effective Date
District Air Program Administrator
Southwest District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) 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 _____ to the persons listed below.

Mr. Bill Olsen, Regional Manager
bill.olsen@parexusa.com

Mr. Tom Shufflebarger, Plant Manager
tom.shufflebarger@parexusa.com

Mr. Dean H. Myers, P.E.
deanhmyers@earthlink.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.

DRAFT

_____ _____

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

This is a tile grout blending facility. The facility blends cements, lime, sands and other earth materials to package custom blends of decorative tile grouts. The facility's current operation permit includes the following emissions units.

Facility ID No. 1050386	
ID No.	Emission Unit Description
001	Bin Hopper 01 – Marble Dust
002	Bin Hopper 02
003	Bin Hopper 03 – White Cement
004	Bin Hopper 04 - Lime
005	Bin Hopper 05
006	Bin Hopper 06
007	Bin Hopper 07 - Sand
008	Bin Hopper 08 - Sand
009	Bin Hopper 09 – Gray Cement
010	Process Dust Collector

Project Description and Affected/Proposed Emission Unit

This permit will increase the annual raw material throughput from 26,000 TPY to 100,000 TPY. It also adds a second mixing/bagging line with an associated dust collector. This project will modify/add the following emissions units. The names of the emissions units are changed to be more accurate.

Facility ID No. 1050386	
ID No.	Emission Unit Description
001	Raw Material Storage Bin 01
002	Raw Material Storage Bin 02
003	Raw Material Storage Bin 03
004	Raw Material Storage Bin 04
005	Raw Material Storage Bin 05
006	Raw Material Storage Bin 06
007	Raw Material Storage Bin 07
008	Raw Material Storage Bin 08
009	Raw Material Storage Bin 09
010	Mixing and Bagging Line 1 with dust collector
011	Mixing and Bagging Line 2 with dust collector

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- 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 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for the pollutant particulate matter less than 10 microns (PM_{10}). The restriction on raw material throughput in the permit and the use of dust collectors to control PM emissions will ensure that PM_{10} emissions will be below the threshold for a Title V source.

PERMIT HISTORY/AFFECTED PERMITS

Modifies and replaces Permit No. 1050386-003-AC.

ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District's Air Resource Management Section. The Southwest District's mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air Resource Management Section
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority - All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District Office's Air Resource Management Section (see above mailing address and phone number).

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.

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 - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

7. Annual Operating Report - On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
[Rule 62-210.370(3), F.A.C.]

8. Application for Non-Title V Air Operation Permit - This permit authorizes construction of a permitted emissions unit and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit. The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit, the applicant shall submit the following:

a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;

c. a copy of the initial compliance test report required by Specific Condition No. B.3., if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition No. A.11.

The application shall be submitted to the Permitting Authority.

[Rules 62-4.030, 62-4.050 and 62-4.220 F.A.C.]

FACILITY-WIDE SPECIFIC CONDITIONS

9. Unconfined Emissions of Particulate Matter - All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include the following:

a. Application of water or chemicals to control emission from such activities as demolition of buildings, grading roads, construction, and land clearing.

b. Paving and maintenance of roads, parking areas and yards.

c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.

d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.

e. Landscaping or planting of vegetation.

f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.

g. Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.

If operating experience indicates that these reasonable precautions are not sufficient to control unconfined PM emissions, the Department reserves the right to require additional measures, such as recordkeeping for water truck gallons, applied, etc.

[Rules 62-296.320(4)(c)1. & 3. and 62-296.414(2), F.A.C.]

10. Visible Emission Indicator - In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, visible emissions at the facility's property line should not exceed 5% opacity. Exceedance of this limit shall not be considered a violation in and of itself, but may be a violation of the precautions specified in Specific Condition No. 10.
[Rule 62-4.070(3), F.A.C.; Construction Permit 1050386-003-AC]

11. Records Retention **-** All monthly records shall be completed by the 15th day of the following month. All records required by this permit shall be maintained at the facility for at least three years, unless otherwise noted, and be made available to the Department for inspection upon request.
[Rules 62-4.160(14)(b) and 62-4.070(3), F.A.C.]

A. EU Nos. 001-009 - Raw Material Storage Bins

This section of the permit addresses the following emissions units.

ID Nos.	Emission Unit Description
001-009	Each of these emission units is a storage bin for material to be used in the blending of decorative tile grout. All of the bins are inside a tall section of the building located over the mixing/bagging area. Material is loaded from trucks into the top of the each storage bin. Particulate matter emissions from each of the storage bins are controlled by C & W, Model CP-230 cartridge pulse silo dust collectors (one dust collector for each storage bin). Each dust collector has a recommended flow rate of 850 CFM and a control efficiency of 99.99%.

PERFORMANCE RESTRICTIONS

A.1. Permitted Capacity - The total amount of raw material loaded into all storage bins combined shall not exceed 100,000 tons per any consecutive 12-month period.
[Rule 62-210.200 ("Potential to Emit"), F.A.C.]

A.2. Authorized Materials - The following materials may be processed:

a. cements;

b. sand;

c. lime; and

d. calcium carbonate.

[Rule 62-210.200 ("Potential to Emit"), F.A.C.]

A.3. Operating Hours - The facility is permitted to operate 8,760 hours per year (i.e., no restrictions on operating hours).
[Rule 62-210.200, F.A.C. ("Potential to Emit"); Construction Permit 1050386-003-AC]

EMISSIONS STANDARDS

A.4. Visible Emissions (VE) – Visible emissions from each storage bin dust collector shall not exceed 5% opacity.
[Rule 62-296.414(1), F.A.C.]

TESTING REQUIREMENTS

A.5. Compliance Tests - During each federal fiscal year (October 1st to September 30th), each emissions unit shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310, F.A.C.]

A.6. Test Requirements - Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

A.7. Test Method - Required tests shall be performed in accordance with the following reference method.

Method	Description of Method and Comments
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

A.8. Operation During Testing – Visible emissions tests of each storage bin dust collector shall be conducted while loading the storage bin(s) at a rate that is representative of the normal loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice.
[Rule 62-296.414(3), F.A.C.]

NOTIFICATION REQUIREMENTS

A.9. Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

> (*Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

A.10. 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. Include the following for the test period in the test report submittal:

a. facility name, Emission Unit No., date;

b. start and finish times of each storage bin loading;

c. total quantity of material loaded (in tons); and

d. actual storage bin loading rate in tons/hour.

Failure to submit this information may invalidate the test.

[Rules 62-4.070(3) and 62-297.310(8), F.A.C.]

A.11. Monthly Recordkeeping Requirements - In order to demonstrate compliance with Specific Condition Nos. A.1. and A.2., the permittee shall keep the following monthly records:

a. Facility Name, Facility ID, Emission Unit No., month, year;

b. type and total quantity of each material loaded into each storage bin for the month, in tons;

c. total quantity of material loaded into all storage bins combined for the month, in tons; and

d. total quantity of material loaded into all storage bins combined for the most recent 12 month consecutive period, in tons.

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

B. EU Nos. 010 and 011 Mixing and Bagging Line Nos. 1 and 2

This section of the permit addresses the following emissions units.

ID Nos.	Emission Unit Description
010-011	Material from the storage bins is transferred via feed screws to Mixing/Bagging Line 1 and/or Line 2. Line 2 is located to the east of Line 1. Each line has a weigh hopper, mixer and bagging machine. The raw material(s) first go to the weigh hopper and then to the mixer where they are blended according to customer specifications. An operator manually adds material at the mixer if necessary. The material is then loaded into bags. Particulate matter emissions from Line No. 1 (EU 010) are controlled by a Consolidated Stripping & Derusting, Model 4500 CFM dust collector. The dust collector is located just outside the west side of the building and has a manufacturer's rated control efficiency of 99.7%. There is currently a dust collector pick-up point at the mixer and the bagging machine for Line 1. Emissions from Line No. 2 will be controlled by a Donaldson Torit Model No. DFT 3-24 dust collector. The dust collector will be located just outside the east side of the building and has a manufacturer's rated control efficiency of 99.8%. There will be a pick up point at the mixer and bagging machine and may be extended to pick up from the Line 1 mixer.

PERFORMANCE RESTRICTIONS

B.1. Operating Hours - The facility is permitted to operate 8,760 hours per year (i.e., no restrictions on operating hours).
[Rule 62-210.200, F.A.C. ("Potential to Emit"); Construction Permit 1050386-003-AC]

EMISSIONS STANDARDS

B.2. Visible Emissions (VE) – Visible emissions from each dust collector shall not exceed 5% opacity.
[Rule 62-296.414(1), F.A.C.]

TESTING REQUIREMENTS

B.3. Initial Compliance Tests – Emission Unit No. 011 shall be tested to demonstrate initial compliance with the emissions standards for visible emissions. The initial tests shall be conducted no later than 90 days after initial operation of the unit.
[Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

B.4. Compliance Tests - During each federal fiscal year (October 1st to September 30th), the exhaust from the dust collector associated with each mixing/bagging line shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310, F.A.C.]

B.5. Test Requirements - Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

B.6. Test Method - Required tests shall be performed in accordance with the following reference method.

Method	Description of Method and Comments
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method is described in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

B.7. Operation During Testing – Visible emissions testing of each mixing/bagging line dust collector exhaust shall be conducted while the mixing/bagging line is in operation at a rate that is representative of the normal batching rate and duration.
[Rule 62-296.414(3), F.A.C.]

NOTIFICATION REQUIREMENTS

B.8. Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.

(*Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*)

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

B.9. Notification of Operation Commencement - The permittee shall notify the Compliance Authority in writing of the date of commencing operation of EU No. 011, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rules 62-4.070, F.A.C. and 62-210.200, F.A.C., ("Commence Operation")]

RECORDS AND REPORTS

B.10. 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. Include the actual throughput rate in tons/hour in the test report submittal. Failure to submit this information may invalidate the test.
[Rules 62-4.070(3) and 62-297.310(8), F.A.C.; Construction Permit 1050386-003-AC]