FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803

RICK SCOTT
GOVERNOR

JENNIFER CARROLL
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Electronically Sent- Received Receipt Requested

FINAL PERMIT

PERMITTEE

Colored Aggregate Systems, Inc.
P.O. Box 490180
Leesburg, Florida 34749-0180

Authorized Representative:
Mr. Robert Kari, Project Manager

Air Permit No. 0694862-004-AO
Permit Expires: 02/28/2017
Site Name: Okahumpka Colored Aggregate System
Minor Source Air Operation Permit
Project Name: Operation Permit Revision

This is the final air operation permit, which authorizes operation of an aggregate color coating, drying and handling facility. The operations are conducted at the Okahumpka Colored Aggregate System (Standard Industrial Classification No. 1442). The facility is located in Lake County at 26825 Haywood Worm Farm Road in Okahumpka, Florida. The UTM coordinates are Zone 17, 413.28 km East, and 3179.29 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and 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.

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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever

occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

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, 3900 Commonwealth Boulevard, Mail Station #35, 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 thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida

December 31, 2012

Caroline D. Shine Date
District Air Program Administrator
Central District

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including 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 December 31, 2012, to the persons listed below.

Mr. Robert Kari, Colored Aggregate Systems, Inc. **(bkari@cmineralsinc.com)**
Ms. Veronica N. Sgro, P.E., Koogler and Associates, Inc. **(vsgro@kooglerassociates.com)**

Clerk Stamp

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

December 31, 2012

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

The existing facility consists of the following emissions units.

Facility ID No. 0694862	
ID No.	Emission Unit Description
001	Aggregate Color Coating Operations with Baghouse
002	Aggregate Drying and Handling Operations

FACILITY REGULATORY CLASSIFICATION

- 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.
- This facility is a natural minor source of air pollution.

PERMIT HISTORY/AFFECTED PERMITS

Modifies Permit No. 0694862-003-AO to incorporate terms and conditions of Construction Permit 0694862-002-AC.

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

   Florida Department of Environmental Protection
   Central District Office
   Air Resource Management Section
   3319 Maguire Blvd., Ste. 232
   Orlando, FL 32803-3767
   Telephone: 407-897-4100

   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 Central District 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.
   e. Appendix E. 40 CFR Part 60, Subpart A-General Provisions; and
   f. Appendix F. 40 CFR Part 60, Subpart UUU-Standards of Performance for Calciners and Dryers in Mineral Industries.

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. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an 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. copies of the most recent compliance test reports required by Specific Condition No. **A.5.** and **B.7.**, if not previously submitted;

    d. copies of the most recent two months of records/logs specified in Specific Condition No(s). **A.10** and **B.13**., and

    e. any revisions to the O & M Plan specified in Specific Condition Nos. **A.12.** and **B.14.**

    [Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

A. EU No 001-Aggregate Color Coating Operations with Baghouse

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Aggregate Color Coating Operations with Baghouse - This emissions unit colors particles of dried aggregate. Pigments are dried onto the aggregate and the pigmented aggregate is then screened and packaged. Aggregate materials include sand and sodium silicate. Particulate emissions are controlled by a Torrit Downflow II Baghouse, Model No. 2DF4 (7.5hp, 1200 cfm). The collected solid particles from the baghouse are stored in a bin for recycling and the clean air is discharged outside of the facility.

PERFORMANCE RESTRICTIONS

A.1. Permitted Capacity: The maximum process rate of aggregate material processed shall not exceed 2.0 tons per hour.
[Rule 62-210.200(PTE), F.A.C.]

A.2. Authorized Fuel: The main rotary dryer burner is permitted to only burn natural gas.
[Rule 62-210.200(PTE), F.A.C.]

A.3. Restricted Operation: The hours of operation are not limited (8,760 hours per year).
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

A.4. Visible Emissions: Visible emissions (VE) from the baghouse shall not exceed five (5) percent opacity. [Rule 62-4.070, F.A.C]

TESTING REQUIREMENTS

A.5. Compliance Tests for Visible Emissions: During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for visible emissions in Specific Condition **A.4**.
[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(s): Required tests shall be performed in accordance with the following reference method(s).

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

The above method(s) are described in Appendix A of 40 CFR 60 and are 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 62-297.401, F.A.C.]

NOTIFICATION REQUIREMENTS

A.8. Test Notification: The permittee shall notify the Compliance Authority 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.
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

A.9. 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.]

A.10. Monthly Log: In order to document continuing compliance with Specific Condition No. **A.1.**, the following records shall be kept monthly:

a. Facility name, Facility ID No. (0694862), Emission Unit ID No. and Description (i.e., EU 001, Aggregate Color Coating Operations with Baghouse);
b. Month/Year of record;
c. Consecutive twelve months total of total aggregate product processed(tons); and
d. Consecutive twelve months total of operational hours. [Rule 62-4.070(3), F.A.C.]

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month. **The monthly logs shall be completed by the end of the following month.** All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent three (3) year period. [Rule 62-4.070(3), F.A.C.]

A.11 Daily Log: In order to document continuing compliance with Specific Condition No. **A.1.** the following records shall be kept daily:

a. Facility name, Facility ID No., Emission Unit ID No. and Description (i.e., EU 001, Aggregate Color Coating Operations with Baghouse);

b. Date (Month/Day/Year of record);

c. Total aggregate product processed (tons);

d. Total operational hours; and

e. Calculation of the daily average (tons/hour) process rate of aggregate product.

Daily records shall be completed within three (3) business days. All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent three (3) year period.
[Rule 62-4.070(3), F.A.C.]

A.12 Operation and Maintenance (O&M) Plan for Baghouse: The O&M Plan shall include, at a minimum, the following information:

a. Operating parameters of the pollution control device;

b. Schedule for the routine maintenance of the pollution control device as specified by the manufacturer; and

c. Schedule for routine observations of the pollution control device sufficient to ensure proper operation.

The O&M Plan shall be retained onsite at all times. [Rule 62-4.070(3), F.A.C.]

A.13 Weekly check: Perform a weekly check, which includes the following:

a. Observe area directly above stack or as appropriate to determine the opacity of plume; and

b. Observe pressure drop across baghouse (view manometer).

A.14. O&M Weekly Log for Baghouse: The O&M log shall include, at a minimum, the following information:

a. When maintenance and observations were performed (Date and Time);

b. What maintenance and observations were performed;

c. Who performed the maintenance and observations (Name of Person(s)); and

d. Acceptable parameter ranges for each operational check.

If no maintenance was performed on a particular date, indicate no maintenance was performed. These records shall be maintained at the facility for a minimum of the most recent three (3) year period and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

B. EU No. 002-Aggregate Drying (Sand Dryer) and Handling Operations with Baghouse

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	Aggregate Drying (Industrial Sand Dryer) and Handling Operations with Baghouse. Aggregate materials include construction sand. A baghouse will control emissions from the dryer, screening operations, and bagging operations. Shrouds cover each drop point to collect dust from operations. Particulate emissions are controlled by a Micropul Baghouse, Model No. 49S8 (15hp, 4800 cfm). The collected solid particles from the baghouse will be stored in a bin for recycling and the clean air is discharged outside.

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements: This emission unit is subject to 40 CFR Part 60, Subpart A-General Provisions and 40 CFR Part 60, Subpart UUU– Standards of Performance for Calciners and Dryers in Mineral Industries, which are adopted by reference in Rule 62-204.800, F.A.C. The conditions are incorporated into this permit **(attached and part of this permit-please see Appendix F).**

B.2. Permitted Capacity: The maximum process rate of wet aggregate material processed shall not exceed 438,000 tons per consecutive 12 months period.
[Rule 62-210.200(PTE), F.A.C.]

B.3. Authorized Fuel: The main rotary dryer burner is permitted to only burn natural gas.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

B.4. Restricted Operation: The hours of operation are not limited (8,760 hours per year).
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

B.5. Visible Emissions: Visible emissions (VE) from the dryer/baghouse shall not exceed ten (10) percent opacity. [§ 60.732(b) of 40 CFR 60, Subpart UUU; Rules 62-204.800(8)(b)73. and 62-4.070, F.A.C.]

B.6. Particulate Matter (PM) Emissions: Particulate matter emissions from the dryer/baghouse shall not exceed 0.025 grain/dry standard cubic feet (gr/dscf).
[§ 40 CFR 60.732(a) of 40 CFR 60, Subpart UUU; Rules 62-204.800(8)(b)73. and Rule 62-4.070, F.A.C.]

TESTING REQUIREMENTS

B.7. Compliance Tests: At least ninety (90) days prior to the expiration date of this permit, the emission unit shall be tested to demonstrate compliance with the emissions standards for visible emissions in Specific Condition **B.5.**, and for the standards for particulate matter emissions in Specific Condition **B.6.**
[§ 60.736 (b)(2) of 40 CFR Part 60, Subpart UUU; and Rules 62-204.800(8)(b)73., 62-4.070(3), 62-297.310(7)(a)1. and 62-297.310(7)(a)3., F.A.C.]

B.8. 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.9. Test Method: Required tests shall be performed in accordance with the following reference method.

EPA Method	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of Opacity of Emissions from Stationary Sources

The above method is described in Rule 62-297.401 and Appendix A of 40 CFR 60 and are 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.

§ 60.736 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.732 as follows:

(1) **Method 5** shall be used to determine the particulate matter concentration**. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm.**

(2) **Method 9** and the procedures in §60.11 shall be used to determine opacity from stack emissions.

[40 CFR 60.736 and Rules 62-204.800 and 62-297.401, F.A.C.]

MONITORING REQUIREMENTS

B.10. Baghouse Weekly check: Perform a weekly check, which includes the following:

a) Observe area directly above stack or as appropriate to determine the opacity of the plume; and

b) Observe pressure drop across baghouse (view manometer).

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

NOTIFICATION REQUIREMENTS

B.11. Test Notification. The permittee shall notify the Compliance Authority, at least **30 days** prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.
[40 CFR Part 60, Subpart A § 60.8(d) and Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

B.12. 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.]

B.13. Monthly Recordkeeping: In order to document continuing compliance with Specific Condition Nos. **B.2.**, the following records shall be kept monthly:

a) Facility name, Facility ID No., Emission Unit ID No. and Description (i.e., EU 002, Aggregate Drying (Industrial Sand Dryer) and Handling Operations with Baghouse);

b) Month/Year of record; and

c) Consecutive twelve months total of total wet aggregate product processed (tons).

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

Note: A consecutive 12-months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12-months totals using whatever number of months of data are available until such a time as a consecutive 12-months total can be maintained each month. **The monthly logs shall be completed by the end of the following month.** All records shall be recorded in a permanent form suitable for inspection by the Department upon request and shall be kept at the facility for a minimum of the most recent three (3) year period. [Rule 62-4.070(3), F.A.C.]

B.14. Operation and Maintenance (O&M) Plan for Baghouse: The O&M Plan shall include, at a minimum, the following information:

a) Operating parameters of the pollution control device;

b) Schedule for the routine maintenance of the pollution control device as specified by the manufacturer; and

c) Schedule for routine observations of the pollution control device sufficient to ensure proper operation.

The O&M Plan shall be retained onsite at all times. [Rule 62-4.070(3), F.A.C.]

B.15. O&M Weekly Log for Baghouse: The O&M log shall include, at a minimum, the following information:

a) When maintenance and observations were performed (Date and Time);

b) What maintenance and observations were performed;

c) Who performed the maintenance and observations (Name of Person(s)); and

d) Acceptable parameter ranges for each operational check.

If no maintenance was performed on a particular date, indicate no maintenance was performed. These records shall be maintained at the facility for a minimum of the most recent three (3) year period and made available to the Department upon request.
[Rule 62-4.070(3), F.A.C.]