# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

RICK SCOTT
GOVERNOR

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LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

## FINAL PERMIT

**PERMITTEE**

Growers Fertilizer Corporation
P.O. Box 1407
Lake Alfred, Florida 33850

Authorized Representative:
Mr. Brent Sutton, President

Air Permit No. 1050140-004-AF
Permit Expires: 02/19/2019
Federally Enforceable State Operation Permit (FESOP)
FESOP Renewal

This is the final permit to renew Federally Enforceable State Operation Permit (FESOP) No. 1050140-003-AF for fertilizer blending facility (Standard Industrial Classification No. 2875). The facility is located in Polk County at 312 North Buena Vista Drive in Lake Alfred, Florida. The UTM coordinates are Zone 17, 428.1 km East, and 3107.9 km North.

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

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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this final permit. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, Agency.Clerk@dep.state.fl.us, before the deadline. 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 (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile 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 each petitioner received notice of the agency action or proposed 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 the 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 Permitting Authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this final permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority 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 Hillsborough County, Florida

Kelley M. Boatwright — 02/19/2014

Kelley M. Boatwright — 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, 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 the date indicated below to the persons listed below.

Mr. Brent Sutton, Growers Fertilization Corporation, (bsutton@growersfertilizer.com)

Mr. Larry Sparrow, Growers Fertilizer Corporation, (lsparrow@growersfertilizer.com)

Mr. Wayne E. Griffin, P.E., G2 Services Ltd., (G2Services@aol.com)

SWD Compliance Assurance Program Team Leader Manager (Erin.Dibacco@dep.state.fl.us)

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.

Rhonda Hughes February 19, 2014

(Clerk) (Date)

## FACILITY AND PROJECT DESCRIPTION

### Existing Facility

Growers Fertilizer Corporation is a fertilizer blending facility with processes that include material batching/blending, bagging, and truck loadout activities.

The existing facility consists of the following emissions units (EUs).

Facility ID No. 1050140

| EU ID No. | Emissions Unit Description |
|---|---|
| 001 | Fertilizer Batching, Bagging, and Truck Loadout Operations |

***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 natural minor source of air pollution.

## PERMIT HISTORY/AFFECTED PERMITS

This permit renews Federally Enforceable State Operation Permit No. 1050140-003-AF.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

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

Florida Department of Environmental Protection
Southwest District Office
Air Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

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

**2.** Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

**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.** 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 this 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.8., if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition No. A.9.

[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 – Fertilizer Batching, Bagging, and Truck Loadout Operations

This section of the permit addresses the following emissions unit (EU).

| EU ID No. | Emissions Unit Description |
|---|---|
| 001 | Fertilizer Batching Bagging, and Truck Loadout Operations – Materials permitted to be handled by this system are: ammonium nitrate, sulfate of potash magnesia, borax, diammonium phosphate, manganese oxide, nitrate of soda, packing house tankage, dry processed chicken manure, city sludge, granular triple super phosphate, granular filler, sand filler, bag grade dolomite, dolomite, super phosphate, prilled potassium, nitrate, sulfate of potash, sulfate of ammonia, muriate of potash, standard potassium nitrate, calcium nitrate, Keirserite (magnesium sulfate), other minor elements, and sweepings of above compounds to formulate both liquid and dry N-P-K grade fertilizer.<br>The facility is a partially enclosed building structure comprised of a lower level (basement) and an upper level. Material is received via truck and rail. In a partially enclosed area (over-hanging roof), trucks and railcars are gravity unloaded through restricted gates into small receiving pits from which the material is transferred via elevator and belts to one of the bulk raw material storage bins located on the lower level of the facility.<br>Material is then moved by a small loader from the bulk storage bins on the lower level and dumped into a hopper where it moves on a belt to an elevator which takes it to the upper level of the plant and drops it onto a feeder belt which is used to load it to one of 14 material assembly hoppers.<br>From the assembly hoppers, bulk material for a batch is loaded into a hopper, weighed and then transported by belt to the mixer. Other minor elements (materials used in small quantities) are delivered to the plant in bags and added to the batches by dumping the bags at a bag dump station.<br>From the mixer the material is transported via a belt to one of the three batch holding hoppers. From the batch holding hoppers the material is transported via belt to the main bulk truck loading chute. Bulk truck loadout operations are done at the partially enclosed main truck loadout station (located in the front of the plant by the office) with additional truck loadout also done occasionally at the auxiliary truck loadout station (located in the back of the plant outside the No. 1 bag line).<br>Material can also be processed through one of the two bag lines at the back of the plant (Bag Line Nos. 1 and 2). In these lines, raw materials are moved directly to a hopper by the small loader, then transferred via elevator/belt to a mixer then transported via belt to a large bag loading station. Material from the Bag Line No. 1 mixer can also be transferred via belt to the auxiliary bulk truck loading area equipped with a truck loading chute. *(Note: There is also an old bagging station located at the front of the plant by the main truck loadout area. This old bagging station is rarely used.)*<br>Particulate matter (PM) emissions from the main bulk truck loadout station operation are ducted to a Carter Day Model 72RJ central baghouse emission control system. Baghouse discharge is through a 35.0 foot high, 1.5 foot diameter stack with a design flow rate of 8,478 ACFM. |

### PERFORMANCE RESTRICTIONS

**A.1.** Restricted Operating Hours – Maximum permitted operating hours for this facility are as shown below;

a. Bulk truck loadout operating hours shall not exceed 3,744 hours during any 12-consecutive month period. (*Note: Bulk truck loadout operating hours are defined as any period during which truck loadout operations are being conducted at either of the bulk truck loadout stations*).

b. The rest of the operations at this facility are permitted for continuous operation (i.e. permitted for 8,760 hours/year).

[Rule 62-210.200, F.A.C. – Definitions ("Potential to Emit"); FESOP 1050140-002-AF]

**A.2.** Permitted Process Rate - The maximum blended fertilizer truck loadout process rate shall not exceed 50.0 tons/hour (monthly average basis).
[Rule 62-210.200, F.A.C. – Definitions ("Potential to Emit"); FESOP 1050140-002-AF]

**A.3.** Circumvention of Control Equipment/ Baghouse VE Limit - The permittee shall not circumvent any air pollution control device or allow the emissions of air pollutants without the applicable air pollution control device (i.e. Carter Day central dust control baghouse) operating properly. Material truck loadout operations from the main truck loadout station shall not be conducted unless the baghouse is in service and operating properly. In order to provide reasonable assurance that this requirement is being met, visible emissions (VE) from the baghouse exhaust stack shall not exceed 5% opacity.
[Rules 62-210.650 and 62-4.070(3), F.A.C.; FESOP 1050140-002-AF]

**COMPLIANCE TESTING REQUIREMENTS**

**A.4.** Compliance Test – During each federal fiscal year (October 1st to September 30th), the central baghouse exhaust stack shall be tested to demonstrate compliance with the visible emissions (VE) standard.
[Rules 62-297.310, F.A.C.]

**A.5.** Compliance Test Requirements - Compliance 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.6.** Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

| Method | Description of Method and Comments |
|---|---|
| 9 | Visual Determination of the Opacity of Emissions from Stationary Sources (DEP Method 9 and a minimum duration of 30 minutes) |

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 methods may be used unless prior written approval is received from the Department.
[Rule 62-204.800, F.A.C.; Appendix A of 40 CFR 60]

**NOTIFICATION REQUIREMENTS**

**A.7.** 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.]

## RECORDKEEPING AND REPORTING REQUIREMENTS

**A.8.** Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, the test reports shall include the following information:

a. material loading start and end time for each truck loaded at the main truck loadout station during the test period;

b. weight of material loaded in each truck loaded during the test period;

c. calculated process rate (tons/hour) during the test period, with calculations included.

[Rule 62-297.310(8), F.A.C.; FESOP 1050140-002-AF]

**A.9.** Monthly Truck Loadout Operation Records - In order to document compliance with the truck loadout operating hour and process rate limitations of Specific Condition Nos. A.1. and A.2., the permittee shall maintain the following monthly operating records.

a. month and year of record;

b. truck loadout operating hours for the month (hours/month) *(Note: An operating hour is defined as any period during which any bulk truck loadout operations are being conducted).*

c. amount of bulk material loaded out into trucks during the month (tons/month);

d. calculation of the monthly average tons per hour truck loadout process rate based on b. and c. above;

e. calculation of the truck loadout operating hours for the most recent 12-consecutive month period (hours/12-consecutive month period).

Entries in the monthly operating records required by this permit shall be made no later than 15 days after the end of the month.

[Rule 62-4.070(3), F.A.C.; FESOP 1050140-002-AF]