



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

TO: Interested Parties / Applicant  
DATE: March 20, 2006  
RE: Agricor Inc. / 053-22742-00052  
FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPER-AM.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
*We make Indiana a cleaner, healthier place to live.*

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 Commissioner

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Mr. Stephen H. Wickes  
 Agricor, Inc.  
 1626 S. Joaquin Drive  
 Marion, Indiana 46952

March 20, 2006

Re: F053-22742-00052  
 Second Administrative Amendment to  
 FESOP 053-7235-00052

Dear Mr. Wickes:

Agricor, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) on July 8, 1998 for a stationary dry corn mill. A letter requesting changes to the facility descriptions was received on March 6, 2006. The source will add a new controlled feed load-out system and modify the existing filter (HM-1) with a larger filter system identified as General Suction Filter (GSF). Pursuant to the provisions of 326 IAC 2-8-10(a)(6), which allows sources to revise descriptive information where the revision will not trigger a new applicable requirement or violate a permit term, 326 IAC 2-8-10(a)(13), which allows sources to modify an existing source if the modification will replace or repair part or piece of equipment in an existing process as long as the modification does not replace or repair the entire process, qualifies as a reconstruction of an entire process or results in an increase of actual emissions, and 326 IAC 2-8-10(a)(14), which allows sources to add emission units as long as the units are of the same type that are already permitted, will comply with the same applicable requirements, permit terms and conditions as the existing emission units and the modification does not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3. The permit is hereby administratively amended as follows. New language is indicated with bold type and deleted language is indicated with strikeout:

Sections A.2, Emission Units and Pollution Control Equipment Summary, and D.1, Facility Descriptions are revised as follows.

- (1) ...
- (10) ...
- (11) Loading/shipping equipment with a maximum rate of 25,760 lbs/hr, **controlled by the Feed Load-out Filter (TLF).**
- (12) ...
- (14) ...
- (15) One (1) milling line, consisting of three (3) roller mills, eight (8) aspirators, two (2) sifters, one (1) hammermill and conveying equipment **and three (3) storage bins, with a capacity of 300 tons, each.** The PM emissions from this equipment is controlled by fabric filters P-1, MVSA, ~~HM-1~~**GSF**, and FC-1.
- (16) ...
- (21) ...

Section D.1, Conditions D.1.1, D.1.5, D.1.8 and D.1.9 are revised as follows:

**D.1.1 Particulate Matter Less Than Ten Microns (PM10) [326 IAC 2-8]**

The sourcewide PM10 emission rate shall be limited as follows:

Facility	Air Flow Rate Limit (cfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Receiving from (2) Existing Lines	Fugitive			1.2
Milling:				
Pneumatic Lift Filter, P-1	6200	0.02	3.6	1.06
<del>Hammermill Filter, HM-1</del>				
<b>General Suction Filter, GSF</b>	900	0.02	0.52	0.15
Aspirator Filter, MVSA	11000	0.02	6.3	1.88
Feed Collection Filter, FC-1	3800	0.02	2.2	0.65
Loading/Shipping For Both Lines <b>(Truck Loadout Filter (TLF))</b>			0.80	0.25

**Compliance Determination Requirements**

**D.1.5 Baghouse/Dust Collectors, Cyclones and Filters**

Baghouse/dust collectors and filters P-1, MVSA, ~~HM-1~~**GSF**, FC-1, CH-1, C-1 through C-6, C asp, **TLF**, A/B asp, A plf, B plf, C plf, A/B feed, D-1 through D-6, and RS-1, shall operate at all times the process being controlled is in operation.

**Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

**D.1.8 Visible Emissions Notations**

- (a) Visible emissions notations of P-1, MVSA, ~~HM-1~~**GSF**, FC-1, CH-1, C-1 through C-6, C asp, **TLF**, A/B asp, A plf, B plf, C plf, A/B feed, D-1 through D-6, and RS-1 exhausts, including building openings/vents shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) ...
- (e) ...

**D.1.9 Parametric Monitoring for Baghouse/dust collectors and cyclones**

The Permittee shall record the total static pressure drop across the baghouse/dust collectors and cyclones identified as P-1, MVSA, ~~HM-1~~**GSF**, FC-1, C asp, **TLF**, A/B asp, A plf, B plf, C plf, A/B feed, CH-1, C-1 through C-6, D-1 through D-6, and RS-1, used in conjunction with the milling operation, at least once weekly when the milling equipment is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across each of the following baghouses P-1, MVSA, ~~HM-1~~**GSF**, FC-1, C asp, **TLF**, A/B asp, A plf, B plf, C plf, A/B feed, CH-1, C-1 through C-6, D-1 through D-6, and RS-1, shall be maintained within the range of 0.5 and 4.0 inches of water or a range established during the latest stack test. The pressure drop for cyclones D-1 through D-6 shall be maintained within the range of 2.0 and 4.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact James Farrell, at (800) 451-6027, press 0 and ask for James Farrell or extension 3-8396, or dial (317) 233-8396.

Sincerely,

Original signed by  
Nysa L. James, Section Chief  
Permits Branch  
Office of Air Quality

Attachments

JF

cc: File - Grant County  
U.S. EPA, Region V  
Grant County Health Department  
Air Compliance Section Inspector – Marc Goldman  
Compliance Data Section  
Technical Support and Modeling



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**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP)  
OFFICE OF AIR QUALITY**

**Agricor, Inc.  
1626 South Joaquin Drive  
Marion, Indiana 46952**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 and 326 IAC 2-1-3.2, as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F053-7253-00052	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: July 8, 1998  Expiration Date: July 8, 2003

First Administrative Amendment No.: F053-12013-00052, issued on April 2, 2000  
First Significant Permit Revision No.: F053-12323-00052, issued on February 14, 2001  
First Minor Permit Revision No.: F053-15028-00052, issued on January 24, 2002

Second Administrative Amendment No.: F053-22742-00052	Pages Revised: 4, 26, 27 and 28a
Issued by: Original signed by Nysa L. James, Section Chief Office of Air Quality	Issuance Date: March 20, 2006  Expiration Date: July 8, 2003

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and presented in the permit application.

### A.1 General Information [326 IAC 2-8-3(b)]

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The Permittee owns and operates a dry corn milling operation with a maximum grain process rate of 12.88 tons per hour or 460 bushels per hour.

Responsible Official: Jack Ewart  
Source Address: 1626 South Joaquin Drive, Marion Indiana  
Mailing Address: P. O. Box 807, Marion, Indiana 46952  
SIC Code: 2041  
County Location: Grant  
County Status: Attainment for all criteria pollutants  
Source Status: Federally Enforceable State Operating Permit (FESOP)  
Minor Source, under PSD Rules;

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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This stationary source consists of the following emission units and pollution control devices:

- (1) One (1) receiving pit with a maximum capacity of 156,800 lbs/hr.
- (2) Five (5) bins to store corn each with a capacity of 560,000 lbs.
- (3) Precleaning/handling equipment with a maximum throughput rate of 25,760 lbs/hr.
- (4) Cleaning equipment with a maximum throughput rate of 25,760 lbs/hr, controlled by filter A/B.
- (5) Milling equipment with a maximum throughput rate of 25,760 lbs/hr, controlled by filters C asp, A/B asp, A plf, B plf, C plf, and A/B feed.
- (6) One (1) meal drying operation consisting of three (3) rotary dryers identified as meal, grits and cones dryers with a combined rate of 25,760 lbs/hr and particulate emissions from each of the dryers controlled by multiple cyclones identified as D-1, D-2 and D-3.
- (7) One (1) cooling operation consisting of three (3) coolers identified as meal, grits and cones coolers with a combined rate of 25,760 lbs/hr, controlled by filters C-1, C-2 and C-3.
- (8) Three (3) bins to store product each with a capacity of 120,000 lbs.
- (9) Fifteen (15) bins to store product each with a capacity of 50,000 lbs.
- (10) One (1) bin to store product with a capacity of 20,000 lbs.
- (11) Loading/shipping equipment with a maximum rate of 25,760 lbs/hr, controlled by the Feed Load-out Filter (TLF).
- (12) Line 1 Sifting equipment with a maximum product rate of 16,016 lbs/hr.
- (13) Line 1 Grinding equipment with a maximum product rate of 16,016 lbs/hr.
- (14) Line 1 Aspiration equipment with a maximum capacity of 3500 acfm.
- (15) One (1) milling line, consisting of three (3) roller mills, eight (8) aspirators, two (2) sifters, one (1) hammermill and conveying equipment and three (3) storage bins, with a capacity of 300 tons, each. The PM emissions from this equipment is controlled by fabric filters P-1, MVSA, GSF, and FC-1.
- (16) New steam dryers; one (1) meal rotary dryer with cyclone D-4; one (1) grits rotary dryer with cyclone D-5; one (1) cones rotary dryer with cyclone D-6. Their combined PM emissions are controlled by cyclone D-7. The steam supplied for these dryers comes from the existing boilers, listed in Section A.3 Insignificant activities of the FESOP
- (17) New line coolers; one (1) meal cooler, C-4; with PM emissions controlled by cyclone and bag filter C-4, one (1) grit cooler, C5, with PM emissions controlled by cyclone and bag filter C-5; and one (1) cones cooler, C6, with PM emissions controlled by cones cooler filter C-6.
- (18) Grain handling and cleaning equipment, which is controlled by the Cleaninghouse Filter, CH-1

## SECTION D.1

## FACILITY OPERATION CONDITIONS

- (1) One (1) receiving pit with a maximum capacity of 156,800 lbs/hr.
- (2) Five (5) bins to store corn each with a capacity of 560,000 lbs.
- (3) Precleaning/handling equipment with a maximum throughput rate of 25,760 lbs/hr.
- (4) Cleaning equipment with a maximum throughput rate of 25,760 lbs/hr, controlled by filter A/B.
- (5) Milling equipment with a maximum throughput rate of 25,760 lbs/hr, controlled by filters C asp, A/B asp, A plf, B plf, C plf, and A/B feed.
- (6) One (1) meal drying operation consisting of three (3) rotary dryers identified as meal, grits and cones dryers with a combined rate of 25,760 lbs/hr and particulate emissions from each of the dryers controlled by multiple cyclones identified as D-1, D-2 and D-3.
- (7) One (1) cooling operation consisting of three (3) coolers identified as meal, grits and cones coolers with a combined rate of 25,760 lbs/hr, controlled by filters C-1, C-2 and C-3.
- (8) Three (3) bins to store product each with a capacity of 120,000 lbs.
- (9) Fifteen (15) bins to store product each with a capacity of 50,000 lbs.
- (10) One (1) bin to store product with a capacity of 20,000 lbs.
- (11) Loading/shipping equipment with a maximum rate of 25,760 lbs/hr, controlled by the Feed Load-out Filter (TLF).
- (12) Line 1 Sifting equipment with a maximum product rate of 16,016 lbs/hr.
- (13) Line 1 Grinding equipment with a maximum product rate of 16,016 lbs/hr.
- (14) Line 1 Aspiration equipment with a maximum capacity of 3500 acfm.
- (15) One (1) milling line, consisting of three (3) roller mills, eight (8) aspirators, two (2) sifters, one (1) hammermill and conveying equipment and three (3) storage bins, with a capacity of 300 tons, each. The PM emissions from this equipment is controlled by fabric filters P-1, MVSA, GSF, and FC-1.
- (16) New steam dryers; one (1) meal rotary dryer with cyclone D-4; one (1) grits rotary dryer with cyclone D-5; one (1) cones rotary dryer with cyclone D-6. Their combined PM emissions are controlled by cyclone D-7. The steam supplied for these dryers comes from the existing boilers, listed in Section A.3 Insignificant activities of the FESOP
- (17) New line coolers; one (1) meal cooler, C-4; with PM emissions controlled by cyclone and bag filter C-4, one (1) grit cooler, C5, with PM emissions controlled by cyclone and bag filter C-5; and one (1) cones cooler, C6, with PM emissions controlled by cones cooler filter C-6.
- (18) Grain handling and cleaning equipment, which is controlled by the Cleaninghouse Filter, CH-1
- (19) One (1) receiving pit to handle additional throughput.
- (20) Product Storage, loading and shipping equipment.
- (21) One (1) truck receiving system, consisting of:
  - (a) one (1) receiving conveyor, identified as RC-1, with particulate emissions controlled by Baghouse RS-1, and emissions exhausted through Stack RS-1,
  - (b) Three (3) receiving bins, identified as RSB-1, RSB-2, and RSB-3
  - (c) one (1) transfer conveyor, identified as RC-2, with particulate emissions controlled by Baghouse RS-1, and emissions exhausted through Stack RS-1, and
  - (d) one (1) truck receiving pit, identified as RP, with particulate emissions controlled by Baghouse RS-1, and emissions exhausted through Stack RS-1,

**Emission Limitations and Standards [326 IAC 2-8-4(1)]**

**D.1.1 Particulate Matter Less Than Ten Microns (PM10) [326 IAC 2-8]**

The source wide PM10 emission rate shall be limited as follows:

Facility	Air Flow Rate Limit (cfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Receiving from (2) Existing Lines	Fugitive			1.2
Grain Handling & Cleaning (Cleaninghouse Filter CH-1)	20340	0.02	8.6	3.5
Milling:				
Pneumatic Lift Filter, P-1	6200	0.02	3.6	1.06
General Suction Filter, GSF	900	0.02	0.52	0.15
Aspirator Filter, MVSA	11000	0.02	6.3	1.88
Feed Collection Filter, FC-1	3800	0.02	2.2	0.65
Meal Dryer Cyclone, D-4	1440	0.041	0.82	1.9
Grit Dryer Cyclone, D-5	1440	0.041	0.82	
Cones Dryer Cyclone, D-6 (ALL CONTROLLED BY CYCLONE D-7)	1440	0.041	0.82	
	5520			
Meal Cooler Filter, C4	3270	0.02	1.5	0.5
Grit Cooler Filter, C5	3270	0.02	1.5	0.5
Cones Cooler, C6	2450	0.02	1.4	0.72
Loading/Shipping For Both Lines (Truck Loadout Filter (TLF))			0.80	0.25
Grain Handling & Cleaning (Cleaninghouse Filter A/B ch)	9000	0.02	5.2	1.5
Milling:				
Pneumatic Lift Filter, A	2940	0.02	1.7	0.50
Pneumatic Lift Filter, B	1500	0.02	0.86	0.25
Pneumatic Lift Filter, C	1900	0.02	1.09	0.32
Aspirator Filter, A/B asp	7000	0.02	4.0	1.2
General Aspiration, C asp	5500	0.02	3.15	0.90
Feed Filter, A/B feed	2600	0.02	1.5	0.40
Meal Dryer Cyclone, D1	4034	0.103	2.28	3.6
Grit Cyclone, D2				
Cones Cyclone, D3 (ALL CONTROLLED BY CYCLONE D-8)				
Meal Cooler Filter, C1	4000	0.02	2.28	0.68
Grit Cooler Filter, C2	3500	0.02	2.0	0.6
Cones Cooler Filter, C3	1500	0.02	0.86	0.27
Truck Receiving System (Baghouse RS-1)	16000	0.02	1.05	0.04

## Compliance Determination Requirements

### D.1.5 Baghouse/Dust Collectors, Cyclones and Filters

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Baghouse/dust collectors and filters P-1, MVSA, GSF, FC-1, CH-1, C-1 through C-6, C asp, TLF, A/B asp, A plf, B plf, C plf, A/B feed, D-1 through D-6, and RS-1, shall operate at all times the process being controlled is in operation.

### D.1.6 Testing Requirements [326 2-8-5(a)(1),(4)] [326 IAC 2-1.1-11]

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An initial compliance stack tests shall be performed for representative baghouse/dust collectors MVSA, CH-1, C-4, and D-4 to determine compliance with the PSD limit in Condition D.1.1 and to establish each pressure drop range that correspond to the PM and PM10 limit in D.1.1 and D.1.2, utilizing methods as approved by the Commissioner. These tests shall be conducted within 60 days after the new equipment has achieved the maximum production rate, but no later than 180 days after the (new equipment) initial start-up.

### D.1.7 Truck Unloading Opacity [40 CFR 60, Subpart DD, 60.303(a) and (b)(3)]

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To determine compliance with the opacity limit of Condition D.1.3, the owner or operator shall conduct an initial performance test as required in 60.8, utilizing Method 9 and the procedures specified in 60.11

## Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

### D.1.8 Visible Emissions Notations

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- (a) Visible emissions notations of P-1, MVSA, GSF, FC-1, CH-1, C-1 through C-6, C asp, TLF, A/B asp, A plf, B plf, C plf, A/B feed, D-1 through D-6, and RS-1 exhausts, including building openings/vents shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

### D.1.9 Parametric Monitoring for Baghouse/dust collectors and cyclones

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The Permittee shall record the total static pressure drop across the baghouse/dust collectors and cyclones identified as P-1, MVSA, GSF, FC-1, C asp, TLF, A/B asp, A plf, B plf, C plf, A/B feed, CH-1, C-1 through C-6, D-1 through D-6, and RS-1, used in conjunction with the milling operation, at least once weekly when the milling equipment is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across each of the following baghouses P-1, MVSA, GSF, FC-1, C asp, TLF, A/B asp, A plf, B plf, C plf, A/B feed, CH-1, C-1 through C-6, D-1 through D-6, and RS-1, shall be maintained within the range of 0.5 and 4.0 inches of water or a range established during the latest stack test. The pressure drop for cyclones D-1 through D-6 shall be maintained within the range of 2.0 and 4.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.