



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 19, 2011

RE: Winslow-Browning, Inc. / 161-29562-00001

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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 IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require 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, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of 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.dot12/03/07



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**New Source Review and Federally Enforceable State
Operating Permit Renewal
OFFICE OF AIR QUALITY**

**Winslow-Browning, Inc.
215 Brownsville Ave.
Liberty, Indiana 47353**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

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 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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

Operation Permit No.: F161-29562-00001	
Issued by:  Alfred C. Dumauval, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: January 19, 2011 Expiration Date: January 19, 2021

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a stationary paint manufacturing operation.

Source Address:	215 Brownsville Ave., Liberty, Indiana 47353
General Source Phone Number:	(765) 458-5157
SIC Code:	2851
County Location:	Union
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) The Grinding process consists of following units:
- (1) One (1) sand mill, identified as 9P-01, constructed prior to 1989, with a maximum capacity of 9 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as 9P-02, constructed prior to 1989, with maximum capacity of 9 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (3) One (1) sand mill, identified as 3P-03, constructed prior to 1989 and modified in 2010, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (4) One (1) sand mill, identified as 3P-04, constructed prior to 1989, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (5) One (1) sand mill, identified as 9P-05, constructed prior to 1989 and modified in 2010, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (6) One (1) sand mill, identified as 3P-06, approved for construction in 2010, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-5.
 - (7) One (1) sand mill, identified as 9P-07, approved for construction in 2010, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-5.

- (8) One (1) sand mill, identified as 9P-08, approved for construction in 2010, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-5.
- (b) The batch maker process consists of the following units:
- (1) Nine (9) air mixers, identified as AM-01 through AM-04 and AM-06 through AM-9, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, each, uncontrolled and exhausting to stack V-12.
 - (2) One (1) air mixer, identified as AM-05, constructed prior to 1989, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
 - (3) One (1) air mixer, identified as AM-10, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to ventilation.
 - (3) One (1) shar mixer, identified as SM-01, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 400 gallons per batch, uncontrolled and exhausting to ventilation.
 - (4) Three (3) shar mixers, identified as SM-02 through SM-04, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 600 gallons per batch, each, uncontrolled and exhausting to stack V-5.
 - (5) One (1) shar mixer, identified as SM-05, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-5.
 - (6) One (1) shar mixer, identified as SM-06, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 500 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (7) One (1) shar mixer, identified as SM-07, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (8) One (1) shar mixer, identified as SM-08, approved for construction in 2010, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-5.
 - (9) One (1) shar mixer, identified as SM-09, approved for construction in 2010, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (10) Six (6) small hydraulic mixers, identified as Hyd-1 through Hyd-6, approved for construction in 2010, with a maximum capacity of 300 gallons per batch, each, uncontrolled and exhausting to stack V-11.
 - (11) Two (2) big hydraulic mixers, identified as Hyd-7 and Hyd-8, approved for construction in 2010, with a maximum capacity of 600 gallons per batch, each, uncontrolled and exhausting to stack V-2.
 - (12) Twenty (20) stationary mixer tanks constructed prior to 1989:

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID
ST-01	Stationary Mixer Tank	4500	Ventilation
ST-02	Stationary Mixer Tank	4500	Ventilation
ST-03	Stationary Mixer Tank	2250	V-10
ST-04	Stationary Mixer Tank	2250	V-10
ST-05	Stationary Mixer Tank	1500	V-10
ST-06	Stationary Mixer Tank	1500	V-10
ST-07	Stationary Mixer Tank	2800	V-10
ST-08	Stationary Mixer Tank	1500	V-10
ST-09	Stationary Mixer Tank	2800	V-10
ST-10	Stationary Mixer Tank	2800	V-10
ST-11	Stationary Mixer Tank	700	V-9
ST-12	Stationary Mixer Tank	700	V-9
ST-13	Stationary Mixer Tank	700	V-9
ST-14	Stationary Mixer Tank	700	V-9
ST-15	Stationary Mixer Tank	866	V-9
ST-16	Stationary Mixer Tank	866	V-9
ST-17	Stationary Mixer Tank	1500	V-9
ST-18	Stationary Mixer Tank	2800	V-9
ST-19	Stationary Mixer Tank	750	V-9
ST-20	Stationary Mixer Tank	750	V-9

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired furnace that is used to heat the building with heat input equal to or less than ten (10) million BTU per hour;
- (b) Laboratory activities consisting of:
 - (1) Two (2) part washers that use a solvent with a vapor pressure equal to or less than two (2) kilo Pascals (fifteen (15) millimeters of mercury or three tenths (0.3) pound per square inch) measured at thirty-eight degrees Centigrade (38°C) (one hundred (100) degrees Fahrenheit); or (ii) having a vapor pressure equal to or less than seven-tenths (0.7) kilo Pascal (five (5) millimeters of mercury or one-tenth (0.1) pound per square inch) measured at twenty degrees Centigrade (20°C) (sixty-eight (68) degrees Fahrenheit); and which use less than one hundred forty-five (145) gallons per twelve (12) months.
 - (2) Two small (2) paint booths coating metal and wood with electric drying ovens used for testing purposes.
- (c) Other categories with emissions below significant thresholds (i.e. less than 3 pounds per hour VOC):
 - (1) Equipment cleaning operations with potential to emit less than 10 tons per year of VOC; and
 - (2) Eight (8) above ground diesel storage tanks with capacity equal to 2,000 gallons and six (6) storage tanks with capacity equal to 2,400 gallons.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

-
- (a) This permit, F161-29562-00001, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.4 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.5 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

-
- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of

requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
- (1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.10 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.11 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.12 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance

causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Southeast Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southeast Regional Office phone: (812) 358-2027; fax: (812) 358-2058.

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F161-29562-00001 and issued pursuant to permitting programs approved into the state implementation plan have been either:

- (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.15 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A,

Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

Testing Requirements [326 IAC 2-8-4(3)]

C.8 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

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

C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.13 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.17 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) The Grinding process consists of following units:
- (1) One (1) sand mill, identified as 9P-01, constructed prior to 1989, with a maximum capacity of 9 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as 9P-02, constructed prior to 1989, with maximum capacity of 9 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (3) One (1) sand mill, identified as 3P-03, constructed prior to 1989 and modified in 2010, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (4) One (1) sand mill, identified as 3P-04, constructed prior to 1989, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (5) One (1) sand mill, identified as 9P-05, constructed prior to 1989 and modified in 2010, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-6.
 - (6) One (1) sand mill, identified as 3P-06, approved for construction in 2010, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-5.
 - (7) One (1) sand mill, identified as 9P-07, approved for construction in 2010, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-5.
 - (8) One (1) sand mill, identified as 9P-08, approved for construction in 2010, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-5.
- (b) The batch maker process consists of the following units:
- (1) Nine (9) air mixers, identified as AM-01 through AM-04 and AM-06 through AM-9, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, each, uncontrolled and exhausting to stack V-12.
 - (2) One (1) air mixer, identified as AM-05, constructed prior to 1989, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
 - (3) One (1) air mixer, identified as AM-10, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to ventilation.
 - (3) One (1) shar mixer, identified as SM-01, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 400 gallons per batch, uncontrolled and exhausting to ventilation.
 - (4) Three (3) shar mixers, identified as SM-02 through SM-04, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 600 gallons per batch, each, uncontrolled and exhausting to stack V-5.

- (5) One (1) shar mixer, identified as SM-05, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-5.
- (6) One (1) shar mixer, identified as SM-06, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 500 gallons per batch, uncontrolled and exhausting to stack V-6.
- (7) One (1) shar mixer, identified as SM-07, constructed prior to 1989 and approved for modification in 2010, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-6.
- (8) One (1) shar mixer, identified as SM-08, approved for construction in 2010, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-5.
- (9) One (1) shar mixer, identified as SM-09, approved for construction in 2010, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-6.
- (10) Six (6) small hydraulic mixers, identified as Hyd-1 through Hyd-6, approved for construction in 2010, with a maximum capacity of 300 gallons per batch, each, uncontrolled and exhausting to stack V-11.
- (11) Two (2) big hydraulic mixers, identified as Hyd-7 and Hyd-8, approved for construction in 2010, with a maximum capacity of 600 gallons per batch, each, uncontrolled and exhausting to stack V-2.
- (12) Twenty (20) stationary mixer tanks constructed prior to 1989:

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID
ST-01	Stationary Mixer Tank	4500	Ventilation
ST-02	Stationary Mixer Tank	4500	Ventilation
ST-03	Stationary Mixer Tank	2250	V-10
ST-04	Stationary Mixer Tank	2250	V-10
ST-05	Stationary Mixer Tank	1500	V-10
ST-06	Stationary Mixer Tank	1500	V-10
ST-07	Stationary Mixer Tank	2800	V-10
ST-08	Stationary Mixer Tank	1500	V-10
ST-09	Stationary Mixer Tank	2800	V-10
ST-10	Stationary Mixer Tank	2800	V-10
ST-11	Stationary Mixer Tank	700	V-9
ST-12	Stationary Mixer Tank	700	V-9
ST-13	Stationary Mixer Tank	700	V-9
ST-14	Stationary Mixer Tank	700	V-9
ST-15	Stationary Mixer Tank	866	V-9
ST-16	Stationary Mixer Tank	866	V-9
ST-17	Stationary Mixer Tank	1500	V-9
ST-18	Stationary Mixer Tank	2800	V-9
ST-19	Stationary Mixer Tank	750	V-9
ST-20	Stationary Mixer Tank	750	V-9

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

D.1.1 Volatile Organic Compounds and Hazardous Air Pollutants [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 8-1-6] [326 IAC 2-4.1]

- (a) The total solvent usage in paint manufacturing facilities shall not exceed 1,450,000 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The VOC emissions from the paint manufacturing facilities shall not exceed 0.034 pound of VOC per pound of solvent used.
- (c) The maximum single HAP emissions shall not exceed 0.0137 lb HAP/lb of solvent.
- (d) The maximum total HAP emissions shall not exceed 0.034 lb HAP/lb of solvent

Compliance with the above limits, combined with the potential to emit VOC, any single HAP and any combination of HAPs from other emission units at the source, shall limit the VOC to less than 25 tons per twelve (12) consecutive month period, any single HAP to less than 10 tons per twelve (12) consecutive month period, and any combination of HAPs to less 25 tons per twelve (12) consecutive month period and render 326 IAC 2-7 (Part 70 Permits), 326 IAC 8-1-6 (General Reduction Requirements for New Facilities) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.2 Particulate Matter (PM10) [326 IAC 2-8-4]

- (a) The total pigment usage in paint manufacturing facilities shall not exceed 1,792,135 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The PM10/PM2.5 emissions from the paint manufacturing faculties shall not exceed 20 pounds of PM10/PM2.5 per ton of pigment used.

Compliance with the above limit, combined with the potential to emit PM10 from other emissions units at the source, shall limit the PM10/PM2.5 from the entire source to less than 100 tons per twelve (12) consecutive month period and render 326 IAC 2-7 (Part 70 Permits) not applicable.

D.1.3 Particulate [326 IAC 6-3]

- (a) The particulate emissions from the following units shall not exceed the pound per hour limitation calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

Emission Unit	Process Weight Rate (lb/hr)	326 IAC 6-3 Allowable PM Emission Rate (lb/hr)
Stationary Mix Tank 01	516.35	1.65
Stationary Mix Tank 02	516.35	1.65
Stationary Mix Tank 03	258.17	1.04
Stationary Mix Tank 04	258.17	1.04
Stationary Mix Tank 05	172.12	0.79
Stationary Mix Tank 06	172.12	0.79

Emission Unit	Process Weight Rate (lb/hr)	326 IAC 6-3 Allowable PM Emission Rate (lb/hr)
Stationary Mix Tank 07	321.28	1.20
Stationary Mix Tank 08	172.12	0.79
Stationary Mix Tank 09	321.28	1.20
Stationary Mix Tank 10	321.28	1.20
Stationary Mix Tank 17	172.12	0.79
Stationary Mix Tank 18	321.28	1.20

- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

Emission Unit	Process Weight Rate (lb/hr)	326 IAC 6-3 Allowable PM Emission Rate (lb/hr)
Air Mixer-01	67.60	0.551
Air Mixer-02	63.11	0.551
Shar Mixer-02	68.85	0.551
Shar Mixer -03	68.85	0.551
Shar Mixer-04	68.85	0.551
Shar Mixer -06	57.37	0.551
Shar Mixer -08	68.85	0.551
Shar Mixer - 09	68.85	0.551
Hydraulic Mixer 07	68.85	0.551
Hydraulic Mixer 08	68.85	0.551
Stationary Mix Tank 11	80.32	0.551
Stationary Mix Tank 12	80.32	0.551
Stationary Mix Tank 13	80.32	0.551
Stationary Mix Tank 14	80.32	0.551
Stationary Mix Tank 15	99.37	0.551
Stationary Mix Tank 16	99.37	0.551
Stationary Mix Tank 19	86.06	0.551
Stationary Mix Tank 20	86.06	0.551

D.1.4 Preventive Maintenance Plan

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.5 Volatile Organic Compounds (VOC) and Hazard Air Pollutants (HAPs) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the VOC content, HAPs content and solvent usage limitations contained in Conditions D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.6 Particulate Control

In order to comply with Condition D.1.3, Air Mixers 01 and 02, Shar Mixers 02, 03, 04, 06, 08, 09, Hydraulic Mixers 07 and 08, and Stationary Mix Tanks 01 through 20 shall operate with their

covers on, unless loading or unloading of the tanks is occurring, at all times that the tanks are in operation.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Conditions D.1.1, the Permittee shall maintain records of in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the solvent and pigment usage limits and the VOC emission limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The amount and VOC and HAPs content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (2) The total solvent usage for each month;
 - (3) The total solvent usage for each compliance period;
 - (4) The total pigment usage for each month; and
 - (5) The total pigment usage for each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.8 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1(a) and D.1.2(a) shall be submitted using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Winslow-Browning, Inc.
Source Address: 215 Brownsville Ave., Liberty, Indiana 47353
FESOP Permit No.: F161-29562-00001

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Winslow-Browning, Inc.
Source Address: 215 Brownsville Ave., Liberty, Indiana 47353
FESOP Permit No.: F161-29562-00001

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Winslow-Browning Inc.
Source Address: 215 Brownsville Avenue, Liberty, Indiana 47353
FESOP No.: 161-29562-00001
Facility: Paint Manufacturing Operation
Parameter: Total solvent usage in pounds
Limit: 1,450,000 lbs of solvent per twelve (12) consecutive month period, with compliance demonstrated at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Winslow-Browning Inc.
Source Address: 215 Brownsville Avenue, Liberty, Indiana 47353
FESOP No.: 161-29562-00001
Facility: Paint Manufacturing Operation
Parameter: Total pigment usage in pounds
Limit: 179,213.5 lbs of pigment per twelve (12) consecutive month period, with compliance demonstrated at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH
 FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Winslow-Browning, Inc.
 Source Address: 215 Brownsville Ave., Liberty, Indiana 47353
 FESOP Permit No.: F161-29562-00001

Months: _____ **to** _____ **Year:** _____

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Federally Enforceable State Operating Permit
(FESOP) Renewal with New Source Review (NSR)

Source Background and Description

Source Name: Winslow - Browning, Inc.
Source Location: 215 Brownsville Ave., Liberty, Indiana 47353
County: Union
SIC Code: 2851
Permit Renewal No.: F161-29562-00001
Permit Reviewer: Anne-Marie C. Hart

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Winslow - Browning, Inc. relating to the operation of a stationary paint manufacturing operation. On September 27, 2010, Winslow - Browning, Inc. submitted an application to the OAQ requesting to renew its operating permit, modify existing units and construct new units too. Winslow - Browning, Inc. was issued a FESOP (F161-22514-00001) on July 26, 2006.

Existing Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) The Grinding process consists of following units, constructed prior to 1989:

Emission Unit ID	Mill Description	Max. Capacity (gallons)	Stack ID
9P-01	Sand Mill	9	V-6
9P-02	Sand Mill	9	V-6
3P-04	Sand Mill	3	V-6

- (b) The batch maker process consists of following units, constructed in 1989:

Emission Unit ID	Mixer Description	Max. Capacity (gallons)	Stack ID
AM-05	Air Mixer	300	V-12

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID
ST-01	Stationary Mixer Tank	4500	Ventilation
ST-02	Stationary Mixer Tank	4500	Ventilation
ST-03	Stationary Mixer Tank	2250	V-10
ST-04	Stationary Mixer Tank	2250	V-10
ST-05	Stationary Mixer Tank	1500	V-10
ST-06	Stationary Mixer Tank	1500	V-10
ST-07	Stationary Mixer Tank	2800	V-10
ST-08	Stationary Mixer Tank	1500	V-10
ST-09	Stationary Mixer Tank	2800	V-10

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID
ST-10	Stationary Mixer Tank	2800	V-10
ST-11	Stationary Mixer Tank	700	V-9
ST-12	Stationary Mixer Tank	700	V-9
ST-13	Stationary Mixer Tank	700	V-9
ST-14	Stationary Mixer Tank	700	V-9
ST-15	Stationary Mixer Tank	866	V-9
ST-16	Stationary Mixer Tank	866	V-9
ST-17	Stationary Mixer Tank	1500	V-9
ST-18	Stationary Mixer Tank	2800	V-9
ST-19	Stationary Mixer Tank	750	V-9
ST-20	Stationary Mixer Tank	750	V-9

New and Modified Emission Units and Pollution Control Equipment

The Grinding process consists of following units, constructed prior to 1989 and approved for modification in 2010:

- (a) One (1) sand mill, previously identified as 9P-03, now identified as 3P-03, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-6.
- (b) One (1) sand mill, previously identified as 3P-02, now identified as 3P-04, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-6.
- (c) One (1) sand mill, previously identified as 3P-03, now identified as 9P-05, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-6.

The Grinding process will add the following new units, approved for construction in 2010:

- (a) One (1) sand mill, identified as 3P-06, with a maximum capacity of 3 gallons per batch, uncontrolled and exhausting to stack V-5.
- (b) One (1) sand mill, identified as 9P-07, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-5.
- (c) One (1) sand mill, identified as 9P-08, with a maximum capacity of 9 gallons per batch, uncontrolled and exhausting to stack V-5.

The batch maker process consists of the following units, construction prior to 1989 and approved for modification in 2010:

- (a) One (1) air mixer, identified as AM-01, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (b) One (1) air mixer, identified as AM-02, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (c) One (1) air mixer, identified as AM-03, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (d) One (1) air mixer, identified as AM-04, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.

- (e) One (1) air mixer, identified as AM-06, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (f) One (1) air mixer, identified as AM-07, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (g) One (1) air mixer, identified as AM-08, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (h) One (1) air mixer, identified as AM-09, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-12.
- (i) One (1) air mixer, identified as AM-10, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to ventilation.
- (j) One (1) shar mixer, identified as SM-01, with a maximum capacity of 400 gallons per batch, uncontrolled and exhausting to ventilation.
- (k) One (1) shar mixer, identified as SM-02, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-5.
- (l) One (1) shar mixer, identified as SM-03, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-5.
- (m) One (1) shar mixer, identified as SM-04, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-5.
- (n) One (1) shar mixer, identified as SM-05, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-5.
- (o) One (1) shar mixer, identified as SM-06, with a maximum capacity of 500 gallons per batch, uncontrolled and exhausting to stack V-6.
- (p) One (1) shar mixer, identified as SM-07, with a maximum capacity of 300 gallons per batch, uncontrolled and exhausting to stack V-6.

The batch maker process will consist of the following new units, approved for construction in 2010:

- (a) One (1) shar mixer, identified as SM-08, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-5.
- (b) One (1) shar mixer, identified as SM-09, with a maximum capacity of 600 gallons per batch, uncontrolled and exhausting to stack V-6.
- (c) Six (6) small hydraulic mixers, identified as Hyd-1 through Hyd-6, with a maximum capacity of 300 gallons per batch, each, uncontrolled and exhausting to stack V-11.

Insignificant Activities

The source also consists of the following insignificant activities:

- (a) Natural gas-fired furnace that is used to heat the building with heat input equal to or less than ten (10) million BTU per hour;
- (b) Laboratory activities consisting of:

- (1) Two (2) part washers, installed prior to 1980, that use a solvent with a vapor pressure equal to or less than two (2) kilo Pascals (fifteen (15) millimeters of mercury or three tenths (0.3) pound per square inch) measured at thirty-eight degrees Centigrade (38°C) (one hundred (100) degrees Fahrenheit); or (ii) having a vapor pressure equal to or less than seven-tenths (0.7) kilo Pascal (five (5) millimeters of mercury or one-tenth (0.1) pound per square inch) measured at twenty degrees Centigrade (20°C) (sixty-eight (68) degrees Fahrenheit); and which use less than one hundred forty-five (145) gallons per twelve (12) months.
 - (2) Two small (2) paint booths coating metal and wood with electric drying ovens used for testing purposes.
- (c) Other categories with emissions below significant thresholds (i.e. less than 3 pounds per hour VOC:
- (1) Equipment cleaning operations with potential to emit less than 10 tons per year of VOC; and
 - (2) Eight (8) above ground diesel storage tanks with capacity equal to 2,000 gallons and six (6) storage tanks with capacity equal to 2,400 gallons.

Existing Approvals

Since the issuance of the FESOP F161-22514-00001 on July 26, 2006, the source has constructed or has been operating under the following additional approvals:

- (a) Administrative Amendment No. 161-23417-00001 issued on September 12, 2006; and
- (b) Administrative Amendment No. 161-28738-00001 issued on January 5, 2010.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Enforcement Issue

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Union County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
 Unclassifiable or attainment effective April 5, 2005, for PM_{2.5}.

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Union County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM 2.5**
 Union County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions until 326 IAC 2-2 is revised.
- (c) **Other Criteria Pollutants**
 Union County has been classified as attainment or unclassifiable in Indiana for all regulated criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Unrestricted Potential Emissions

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM₁₀, PM_{2.5} and VOC is equal to or greater than 100 tons per year. However, the Permittee has agreed to limit the source's PM₁₀, PM_{2.5} and VOC emissions to less than Title V levels, therefore the Permittee will be issued a FESOP Renewal.

- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. However, the Permittee has agreed to limit the source's single HAP emissions and total HAP emissions below Title V levels. Therefore, the Permittee will be issued a FESOP Renewal.

Potential to Emit After Issuance

The source has opted to remain a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Paint Mixing and Blending Operations	0.90	0.90	0.90	0.00	0.00	24.65	0.00	2.16	0.95 Hexane
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.04	0.03 Xylene
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.38	0.24	3.68	0.08	0.08 Hexane
Total PTE of Entire Source	0.98	1.23	1.23	0.03	4.38	25.86	3.68	2.29	1.03 Hexane
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	NA	NA	NA	NA	NA
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

This existing stationary source is not major for PSD because the emissions of each regulated pollutant are less than or limited to less than two hundred fifty (<250) tons per year, and it is not in one of the twenty-eight (28) listed source categories.

Federal Rule Applicability

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.
- (b) The requirements of the New Source Performance Standards for Volatile Organic Liquid Storage Vessels Constructed, Reconstructed or Modified after July 23, 1984, 40 CFR 60,

- Subpart Kb (326 IAC 12), are not included in the permit for the above ground diesel storage tanks, since each tank has a capacity less than 75 cubic meters (19,800 gallons).
- (c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.
 - (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Halogenated Solvent Cleaning, 40 CFR 63, Subpart T (326 IAC 20-6), are not included in the permit for the two (2) parts washers, since the source does not use any regulated halogenated solvents in the degreasing operation.
 - (e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM (326 IAC 20-80), are not included in the permit for the two (2) insignificant testing paint booths, since the source is not a major source of HAP.
 - (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for surface coating of wood building products, 40 CFR 63, Subpart QQQQ (326 IAC 20-79), are not included in the permit for the two (2) insignificant testing paint booths, since the source is not a major source of HAP.
 - (g) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Coating Manufacturing, 40 CFR 63, Subpart HHHHH (326 IAC 20-88), are not included in the permit, since the Permittee will limit source-wide emissions of any combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively.
 - (h) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit for this source.

State Rule Applicability - Entire Source

326 IAC 2-2 (PSD)

This source is a PSD minor stationary source, because the potential to emit of all attainment regulated pollutants from the entire source is limited to less than the PSD major source threshold levels as follows:

- (a) The total solvent usage in paint manufacturing facilities shall not exceed 1,450,000 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The VOC emissions from the paint manufacturing facilities shall not exceed 0.034 pound of VOC per pound of solvent used.

Compliance with the above limits, combined with the potential to emit VOC from other emission units at the source, shall limit the VOC from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 not applicable.

326 IAC 2-8-4 (FESOP)

The potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels as follows:

- (a) The total solvent usage in paint manufacturing facilities shall not exceed 1,450,000 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.

- (b) The VOC emissions from the paint manufacturing facilities shall not exceed 0.034 pound of VOC per pound of solvent used.
- (c) The maximum single HAP emissions shall not exceed 0.0137 lb HAP/lb of solvent.
- (d) The maximum total HAP emissions shall not exceed 0.034 lb HAP/lb of solvent
- (e) The total pigment usage in paint manufacturing facilities shall not exceed 1,792,135 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.
- (f) The PM10/PM2.5 emissions from the paint manufacturing facilities shall not exceed 20 pounds of PM10/PM2.5 per ton of pigment used.

Compliance with the above limits, combined with the potential to emit VOC, PM10/PM2.5, any individual HAP and any combination of HAPs, shall limit the VOC and PM10/PM2.5 to less than 100 tons per twelve (12) consecutive month period, any individual HAP to less than 10 tons per twelve (12) consecutive month period, and any combination of HAPs to less than 25 tons per twelve (12) consecutive month period and render 326 IAC 2-7 (Part 70 Permits) not applicable.

326 IAC 2-6 (Emission Reporting)

326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting) because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, or LaPorte County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

The source is not subject to the requirements of 326 IAC 6-5, because the the source does not have potential fugitive particulate emissions greater than 25 tons per year.

326 IAC 6.5 PM Limitations Except Lake County

This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6.8 PM Limitations for Lake County

This source is not subject to 326 IAC 6.8 because it is not located in Lake County.

State Rule Applicability – Individual Facilities

Paint Manufacturing

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The following emission units have potential particulate emissions less than 0.551 pound per hour. Pursuant to 326 IAC 6-3-1(b)(14), manufacturing processes with potential emissions less than 0.551 pound per hour are exempt from the rule. Therefore, these units are not subject to the requirements of 326 IAC 6-3:

Emission Unit	Potential PM Emissions (lb/hour)
Sand Mill 9P-01	0.003
Sand Mill 9P-02	0.003
Sand Mill 3P-03	0.001
Sand Mill 3P-04	0.001
Sand Mill 9P-05	0.003
Sand Mill 3P-06	0.001
Sand Mill 9P-07	0.003
Sand Mill 9P-08	0.003
Air Mixer 01	0.344
Air Mixer 02	0.344
Air Mixer 03	0.344
Air Mixer 04	0.344
Air Mixer 05	0.344
Air Mixer 06	0.344
Air Mixer 07	0.344
Air Mixer 08	0.344
Air Mixer 09	0.344
Air Mixer 10	0.344
Shar Mixer 01	0.459
Shar Mixer 05	0.344
Shar Mixer 07	0.344
Hydraulic Mixer Hyd-1	0.344
Hydraulic Mixer Hyd-2	0.344
Hydraulic Mixer Hyd-3	0.344
Hydraulic Mixer Hyd-4	0.344
Hydraulic Mixer Hyd-5	0.344
Hydraulic Mixer Hyd-6	0.344

The particulate emissions from the following units shall not exceed the pound per hour limitation calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and } P = \text{process weight rate in tons per hour}$$

Emission Unit	Process Weight Rate (lb/hr)	326 IAC 6-3 Allowable PM Emission Rate (lb/hr)
Stationary Mix Tank 01	516.35	1.65
Stationary Mix Tank 02	516.35	1.65
Stationary Mix Tank 03	258.17	1.04

Emission Unit	Process Weight Rate (lb/hr)	326 IAC 6-3 Allowable PM Emission Rate (lb/hr)
Stationary Mix Tank 04	258.17	1.04
Stationary Mix Tank 05	172.12	0.79
Stationary Mix Tank 06	172.12	0.79
Stationary Mix Tank 07	321.28	1.20
Stationary Mix Tank 08	172.12	0.79
Stationary Mix Tank 09	321.28	1.20
Stationary Mix Tank 10	321.28	1.20
Stationary Mix Tank 17	172.12	0.79
Stationary Mix Tank 18	321.28	1.20

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

Emission Unit	Process Weight Rate (lb/hr)	326 IAC 6-3 Allowable PM Emission Rate (lb/hr)
Air Mixer-01	67.60	0.551
Air Mixer-02	63.11	0.551
Shar Mixer-02	68.85	0.551
Shar Mixer -03	68.85	0.551
Shar Mixer-04	68.85	0.551
Shar Mixer -06	57.37	0.551
Shar Mixer -08	68.85	0.551
Shar Mixer - 09	68.85	0.551
Hydraulic Mixer 07	68.85	0.551
Hydraulic Mixer 08	68.85	0.551
Stationary Mix Tank 11	80.32	0.551
Stationary Mix Tank 12	80.32	0.551
Stationary Mix Tank 13	80.32	0.551
Stationary Mix Tank 14	80.32	0.551
Stationary Mix Tank 15	99.37	0.551
Stationary Mix Tank 16	99.37	0.551
Stationary Mix Tank 19	86.06	0.551
Stationary Mix Tank 20	86.06	0.551

In order to comply with 326 IAC 6-3, the mixing units listed above shall operate with their covers on, unless loading or unloading of the tanks is occurring, at all times that the tanks are in operation.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The unlimited VOC potential emissions from the paint manufacturing operation is greater than twenty-five (25) tons per year. However, the source shall limit the VOC potential emissions from the paint manufacturing operation to less than twenty-five (25) tons per year. Therefore, the paint manufacturing operation is not subject to the requirements of 326 IAC 8-1-6.

In order to render the requirements of 326 IAC 8-1-6 not applicable, the the paint manufacturing facilities shall be limited as follows:

- (1) The total solvent usage in paint manufacturing facilities shall be limited to 1,450,000 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits shall limit the total potential to emit VOC from the the paint manufacturing operation to less than twenty-five (25) tons per 12 consecutive month period and

shall render 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

The stationary mix tanks are not located in Clark, Floyd, Lake or Porter County. Therefore, the stationary mix tanks are not subject to the requirements of 326 IAC 8-9.

There are no other 326 IAC 8 Rules that are applicable to the units.

Parts Washers

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The two (2) insignificant parts washers were installed prior to 1980 and do not have the potential to emit twenty-five (25) tons of VOC per year. Therefore, the two (2) insignificant parts washers are not subject to the requirements of 326 IAC 8-1-6.

326 IAC 8-3 (Organic Solvent Degreasing Operations)

The two (2) insignificant parts washers located in Union County were installed prior to 1980. Therefore, the two (2) insignificant parts washers are not subject to the requirements of 326 IAC 8-3.

Natural Gas Combustion

326 IAC 6-3 (Particulate Emissions Limitations for Source of Indirect Heating)

The natural gas-fired furnace is not a source of indirect heating. Therefore, the furnace is not subject to the requirements of 326 IAC 6-2.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The natural gas-fired furnace does not have the potential to emit 25 tons per year or 10 tons per hour of sulfur dioxide. Therefore, the furnace is not subject to the requirements of 326 IAC 7-1.1-2.

Insignificant Spray Booths

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The insignificant wood spray booth does not have the potential to emit twenty-five (25) tons of VOC per year. Therefore, the insignificant wood spray booth is not subject to the requirements of 326 IAC 8-1-6.

326 IAC 8-2 (Surface Coating Emission Limitations)

The insignificant wood spray booth is located in Union County and installed after 1980 but before 1990 and had potential emissions of VOC less than 25 tons per year. The insignificant metal spray booth, also located in Union County, was installed prior to 1980. Therefore, the two (2) insignificant spray booths are not subject to the requirements of 326 IAC 8-2.

Insignificant Diesel Fuel Storage Tanks

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The above ground diesel storage tanks do not have the potential to emit twenty-five (25) tons of VOC per year. Therefore, the above ground diesel storage tanks are not subject to the requirements of 326 IAC 8-1-6.

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)

The above ground diesel storage tanks each have capacities less than 39,000 gallons. Therefore, the tanks are not subject to the requirements of 326 IAC 8-4-3.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

The above ground diesel storage tanks are not located in Clark, Floyd, Lake or Porter County. Therefore, the tanks are not subject to the requirements of 326 IAC 8-9.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) The paint manufacturing facilities have applicable compliance determination conditions as specified below:
 - (1) Compliance with the VOC content, HAPs content and solvent usage limitations shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
 - (2) In order to comply with the particulate emission limitations pursuant to 326 IAC 6-3-2, Air Mixers 01 and 02, Shar Mixers 02, 03, 04, 06, 08, 09, Hydraulic Mixers 07 and 08, and Stationary Mix Tanks 01 through 20 shall operate with their covers on, unless loading or unloading of the tanks is occurring, at all times that the tanks are in operation.

Recommendation

The staff recommends to the Commissioner that the FESOP Renewal with New Source Review be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on September 27, 2010. Additional information was received on October 11, 2010.

Conclusion

The operation of this stationary paint manufacturing source shall be subject to the conditions of the attached FESOP Renewal with New Source Review No. F161-29562-00001.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Anne-Marie C. Hart at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5174 or toll free at 1-800-451-6027 extension 4-5174.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**Appendix A: Emissions Calculations
Emissions Summary**

Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: FESOP 161-29562-00001
Plt ID: 161-00001
Reviewer: Anne-Marie C. Hart
Date: September 7, 2010

Unlimited Potential Emissions Prior to New Equipment and Modification to Existing Equipment

	Paint Manufacturing	Parts Washer	Natural Gas Combustion	Total
PM	186.14	0.00	0.08	186.23
PM10	186.14	0.00	0.33	186.48
PM2.5	186.14	0.00	0.33	186.48
SO2	0.00	0.00	0.03	0.03
NOx	0.00	0.00	4.38	4.38
VOC	5120.67	0.97	0.24	5121.89
CO	0.00	0.00	3.68	3.68
Total HAPs	477.67	0.04	0.08	477.79
Worst-Case	208.84	0.03	0.08	208.92
Individual HAP	Hexane	Xylene	Hexane	Hexane

Unlimited Potential Emissions After New Equipment and Modifications to Existing Equipment

	Paint Manufacturing	Parts Washer	Natural Gas Combustion	Total
PM	237.47	0.00	0.08	237.55
PM10	237.47	0.00	0.33	237.80
PM2.5	237.47	0.00	0.33	237.80
SO2	0.00	0.00	0.03	0.03
NOx	0.00	0.00	4.38	4.38
VOC	6532.53	0.97	0.24	6533.74
CO	0.00	0.00	3.68	3.68
Total HAPs	573.75	0.04	0.08	573.87
Worst-Case	250.85	0.03	0.08	250.93
Individual HAP	Hexane	Xylene	Hexane	Hexane

Limited Potential Emissions After New Equipment and Modifications to Existing Equipment

	Paint Manufacturing	Parts Washer	Natural Gas Combustion	Total
PM	0.90	0.00	0.08	0.98
PM10	0.90	0.00	0.33	1.23
PM2.5	0.90	0.00	0.33	1.23
SO2	0.00	0.00	0.03	0.03
NOx	0.00	0.00	4.38	4.38
VOC	24.65	0.97	0.24	25.86
CO	0.00	0.00	3.68	3.68
Total HAPs	24.65	0.04	0.08	<25
Worst-Case	9.93	0.03	0.08	<10
Individual HAP	Hexane	Xylene	Hexane	Hexane

**Appendix A: Emissions Calculations
VOC and Particulate
From Paint Manufacturing Operations
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: FESOP 161-29562-00001
Pit ID: 161-00001
Reviewer: Anne-Marie C. Hart
Date: September 7, 2010**

Potential To Emit:

Emission Unit	Maximum Batches/Day	Maximum Gallons/Batch	Maximum Gallons/Year	Density, gal/lbs ⁽¹⁾	Maximum Pigments, lbs/yr ⁽²⁾	Maximum Solvent, lbs/yr ⁽²⁾	Emission Factor, lbs of PM/tons of pigment used ⁽³⁾	Emission Factor, lbs of VOC/lbs of Solvent used ⁽³⁾	PM, lbs/hr	PM, tons/year	VOC, tons/year
Sand mill 9P-01	1	9.00	3,285.00	8.345	3,015.47	24,397.86	20.00	0.034	0.003	0.02	0.41
Sand mill 9P-02	1	9.00	3,285.00	8.345	3,015.47	24,397.86	20.00	0.034	0.003	0.02	0.41
Sand mill 3P-03	1	3.00	1,095.00	8.345	1,005.16	8,132.62	20.00	0.034	0.001	0.01	0.14
Sand mill 3P-04	1	3.00	1,095.00	8.345	1,005.16	8,132.62	20.00	0.034	0.001	0.01	0.14
Sand mill 9P-05	1	9.00	3,285.00	8.345	3,015.47	24,397.86	20.00	0.034	0.003	0.02	0.41
Sand mill 3P-06	1	3.00	1,095.00	8.345	1,005.16	8,132.62	20.00	0.034	0.001	0.01	0.14
Sand mill 9P-07	1	9.00	3,285.00	8.345	3,015.47	24,397.86	20.00	0.034	0.003	0.02	0.41
Sand mill 9P-08	1	9.00	3,285.00	8.345	3,015.47	24,397.86	20.00	0.034	0.003	0.02	0.41
Air Mixer-01	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-02	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-03	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-04	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-05	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-06	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-07	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-08	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-09	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Air Mixer-10	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Shar Mixer -01	3	400.00	438,000.00	8.345	402,062.10	3,253,047.90	20.00	0.034	0.459	2.01	55.30
Shar Mixer -02	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Shar Mixer -03	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Shar Mixer -04	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Shar Mixer -05	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Shar Mixer -06	3	500.00	547,500.00	8.345	502,577.63	4,066,309.88	20.00	0.034	0.574	2.51	69.13
Shar Mixer -07	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Shar Mixer - 08	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Shar Mixer - 09	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Hydraulic Mixer - Hyd 1	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Hydraulic Mixer - Hyd 2	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Hydraulic Mixer - Hyd 3	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Hydraulic Mixer - Hyd 4	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Hydraulic Mixer - Hyd 5	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Hydraulic Mixer - Hyd 6	3	300.00	328,500.00	8.345	301,546.58	2,439,785.93	20.00	0.034	0.344	1.51	41.48
Hydraulic Mixer - Hyd 7	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Hydraulic Mixer - Hyd 8	3	600.00	657,000.00	8.345	603,093.15	4,879,571.85	20.00	0.034	0.688	3.02	82.95
Stationary Mix Tank -01	3	4,500.00	4,927,500.00	8.345	4,523,198.63	36,596,788.88	20.00	0.034	5.163	22.62	622.15
Stationary Mix Tank -02	3	4,500.00	4,927,500.00	8.345	4,523,198.63	36,596,788.88	20.00	0.034	5.163	22.62	622.15
Stationary Mix Tank -03	3	2,250.00	2,463,750.00	8.345	2,261,599.31	18,298,394.44	20.00	0.034	2.582	11.31	311.07
Stationary Mix Tank -04	3	2,250.00	2,463,750.00	8.345	2,261,599.31	18,298,394.44	20.00	0.034	2.582	11.31	311.07
Stationary Mix Tank -05	3	1,500.00	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20.00	0.034	1.721	7.54	207.38
Stationary Mix Tank -06	3	1,500.00	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20.00	0.034	1.721	7.54	207.38
Stationary Mix Tank -07	3	2,800.00	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20.00	0.034	3.213	14.07	387.11
Stationary Mix Tank -08	3	1,500.00	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20.00	0.034	1.721	7.54	207.38
Stationary Mix Tank -09	3	2,800.00	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20.00	0.034	3.213	14.07	387.11
Stationary Mix Tank -10	3	2,800.00	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20.00	0.034	3.213	14.07	387.11
Stationary Mix Tank -11	3	700.00	766,500.00	8.345	703,608.68	5,692,833.83	20.00	0.034	0.803	3.52	96.78
Stationary Mix Tank -12	3	700.00	766,500.00	8.345	703,608.68	5,692,833.83	20.00	0.034	0.803	3.52	96.78
Stationary Mix Tank -13	3	700.00	766,500.00	8.345	703,608.68	5,692,833.83	20.00	0.034	0.803	3.52	96.78
Stationary Mix Tank -14	3	700.00	766,500.00	8.345	703,608.68	5,692,833.83	20.00	0.034	0.803	3.52	96.78
Stationary Mix Tank -15	3	866.00	948,270.00	8.345	870,464.45	7,042,848.70	20.00	0.034	0.994	4.35	119.73
Stationary Mix Tank -16	3	866.00	948,270.00	8.345	870,464.45	7,042,848.70	20.00	0.034	0.994	4.35	119.73
Stationary Mix Tank -17	3	1,500.00	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20.00	0.034	1.721	7.54	207.38
Stationary Mix Tank -18	3	2,800.00	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20.00	0.034	3.213	14.07	387.11
Stationary Mix Tank -19	3	750.00	821,250.00	8.345	753,866.44	6,099,464.81	20.00	0.034	0.861	3.77	103.69
Stationary Mix Tank -20	3	750.00	821,250.00	8.345	753,866.44	6,099,464.81	20.00	0.034	0.861	3.77	103.69
Total in TPY										237.47	6532.53

Limited Potential to Emit

Maximum Pigments, lbs/yr	Maximum Solvent, lbs/yr	Emission Factor, lbs of PM/tons of pigment used	Emission Factor, lbs of VOC/lbs of Solvent used	PM, tons/yr	VOC, tons/yr
179,213.48	1,450,000.00	20.00	0.034	0.90	24.65

Note:

- (1) The density used for the paint product is the density of water. This assumption was made due to the varied paints produced at the facility which are both solvent based and water based. The density is a conservative estimate for the potential emissions. This density is used only to determine the potential to emit.
- (2) Based on the source information the coatings contain approximately 11% pigment and the rest is solvent (89%).
- (3) Emission Factors are obtained from U.S EPA Inventory Improvement Program (EIIP) Volume II: Chapter 8 Methods for Estimating Air emission from Paint, Ink, and other Coating Manufacturing Facilities.
- (4) PM10 emissions were set equal to the PM

Methodology:

maximum gallons/year = maximum batch/day x maximum gallons/batch x 365 days
maximum pigments, lbs/yr = maximum gallons/year x 0.11 x density(gallons/lbs)
maximum solvent, lbs/yr = maximum gallons/year x 0.89 x density(gallons/lbs)
potential emission of PM in TPY = (maximum pigments, (tons/yr) x emission factor, (lbs of PM/tons of pigment used))/2000
potential emission of VOC in TPY = (maximum solvent used, (lbs/yr) x emission factor, (lbs of VOC/lbs of solvent used))/2000

From Paint Manufacturing Operations
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: FESOP 161-29562-00001
Plt ID: 161-00001
Reviewer: Anne-Marie C. Hart
Date: September 7, 2010

Potential To Emit:

Emission Unit	Maximum Batches/Day	Maximum Gallons/Batch	Maximum Gallons/Yr	Density, gal/lbs ⁽¹⁾	Maximum Solvent, lbs/yr ⁽²⁾	Emission Factor, lbs of VOC/lbs of Solvent used ⁽³⁾	VOC, tons/year	Toluene ⁽⁴⁾		Non-Exempt Glycol Ether ⁽⁴⁾		Dimethyl Phthalate ⁽⁴⁾		Naphthalene ⁽⁴⁾		Isophorone ⁽⁴⁾		Hexane ⁽⁴⁾		Total Combined HAPs (tons/year)
								%	tons/yr	%	tons/yr	%	tons/yr	%	tons/yr	%	tons/yr	%	tons/yr	
Sand mill 9P-01	1	9.00	3,285.00	8.345	24,397.86	0.034	0.41	0.03%	0.00	2.68%	0.01	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.02	0.04
Sand mill 9P-02	1	9.00	3,285.00	8.345	24,397.86	0.034	0.41	0.03%	0.00	2.68%	0.01	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.02	0.04
Sand mill 9P-03	1	3.00	1,095.00	8.345	8,132.62	0.034	0.14	0.03%	0.00	2.68%	0.00	0.01%	0.00	0.62%	0.00	1.60%	0.00	3.84%	0.01	0.01
Sand mill 9P-04	1	3.00	1,095.00	8.345	8,132.62	0.034	0.14	0.03%	0.00	2.68%	0.00	0.01%	0.00	0.62%	0.00	1.60%	0.00	3.84%	0.01	0.01
Sand mill 9P-05	1	9.00	3,285.00	8.345	24,397.86	0.034	0.41	0.03%	0.00	2.68%	0.01	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.02	0.04
Sand mill 9P-06	1	3.00	1,095.00	8.345	8,132.62	0.034	0.14	0.03%	0.00	2.68%	0.00	0.01%	0.00	0.62%	0.00	1.60%	0.00	3.84%	0.01	0.01
Sand mill 9P-07	1	9.00	3,285.00	8.345	24,397.86	0.034	0.41	0.03%	0.00	2.68%	0.01	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.02	0.04
Sand mill 9P-08	1	9.00	3,285.00	8.345	24,397.86	0.034	0.41	0.03%	0.00	2.68%	0.01	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.02	0.04
Air Mixer-01	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-02	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-03	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-04	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-05	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-06	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-07	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-08	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-09	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Air Mixer-10	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Shar Mixer-01	3	400.00	438,000.00	8.345	3,253,047.90	0.034	55.30	0.03%	0.02	2.68%	1.48	0.01%	0.01	0.62%	0.34	1.60%	0.88	3.84%	2.12	4.86
Shar Mixer-02	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Shar Mixer-03	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Shar Mixer-04	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Shar Mixer-05	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Shar Mixer-06	3	500.00	547,500.00	8.345	4,066,309.88	0.034	69.13	0.03%	0.02	2.68%	1.85	0.01%	0.01	0.62%	0.43	1.60%	1.11	3.84%	2.65	6.07
Shar Mixer-07	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Shar Mixer-08	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Shar Mixer-09	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Hydraulic Mixer - Hyd 1	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Hydraulic Mixer - Hyd 2	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Hydraulic Mixer - Hyd 3	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Hydraulic Mixer - Hyd 4	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Hydraulic Mixer - Hyd 5	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Hydraulic Mixer - Hyd 6	3	300.00	328,500.00	8.345	2,439,785.93	0.034	41.48	0.03%	0.01	2.68%	1.11	0.01%	0.00	0.62%	0.26	1.60%	0.66	3.84%	1.59	3.64
Hydraulic Mixer - Hyd 7	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Hydraulic Mixer - Hyd 8	3	600.00	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.03	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.29
Stationary Mix Tank -01	3	4,500.00	4,927,500.00	8.345	36,596,788.88	0.034	622.15	0.03%	0.20	2.68%	16.67	0.01%	0.06	0.62%	3.86	1.60%	9.95	3.84%	23.89	54.64
Stationary Mix Tank -02	3	4,500.00	4,927,500.00	8.345	36,596,788.88	0.034	622.15	0.03%	0.20	2.68%	16.67	0.01%	0.06	0.62%	3.86	1.60%	9.95	3.84%	23.89	54.64
Stationary Mix Tank -03	3	2,250.00	2,463,750.00	8.345	18,298,394.44	0.034	311.07	0.03%	0.10	2.68%	8.34	0.01%	0.03	0.62%	1.93	1.60%	4.98	3.84%	11.95	27.32
Stationary Mix Tank -04	3	2,250.00	2,463,750.00	8.345	18,298,394.44	0.034	311.07	0.03%	0.10	2.68%	8.34	0.01%	0.03	0.62%	1.93	1.60%	4.98	3.84%	11.95	27.32
Stationary Mix Tank -05	3	1,500.00	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.07	2.68%	5.56	0.01%	0.02	0.62%	1.29	1.60%	3.32	3.84%	7.96	18.21
Stationary Mix Tank -06	3	1,500.00	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.07	2.68%	5.56	0.01%	0.02	0.62%	1.29	1.60%	3.32	3.84%	7.96	18.21
Stationary Mix Tank -07	3	2,800.00	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.13	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	34.00
Stationary Mix Tank -08	3	1,500.00	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.07	2.68%	5.56	0.01%	0.02	0.62%	1.29	1.60%	3.32	3.84%	7.96	18.21
Stationary Mix Tank -09	3	2,800.00	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.13	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	34.00
Stationary Mix Tank -10	3	2,800.00	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.13	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	34.00
Stationary Mix Tank -11	3	700.00	766,500.00	8.345	5,692,833.83	0.034	96.78	0.03%	0.03	2.68%	2.59	0.01%	0.01	0.62%	0.60	1.60%	1.55	3.84%	3.72	8.50
Stationary Mix Tank -12	3	700.00	766,500.00	8.345	5,692,833.83	0.034	96.78	0.03%	0.03	2.68%	2.59	0.01%	0.01	0.62%	0.60	1.60%	1.55	3.84%	3.72	8.50
Stationary Mix Tank -13	3	700.00	766,500.00	8.345	5,692,833.83	0.034	96.78	0.03%	0.03	2.68%	2.59	0.01%	0.01	0.62%	0.60	1.60%	1.55	3.84%	3.72	8.50
Stationary Mix Tank -14	3	700.00	766,500.00	8.345	5,692,833.83	0.034	96.78	0.03%	0.03	2.68%	2.59	0.01%	0.01	0.62%	0.60	1.60%	1.55	3.84%	3.72	8.50
Stationary Mix Tank -15	3	866.00	948,270.00	8.345	7,042,848.70	0.034	119.73	0.03%	0.04	2.68%	3.21	0.01%	0.01	0.62%	0.74	1.60%	1.92	3.84%	4.60	10.52
Stationary Mix Tank -16	3	866.00	948,270.00	8.345	7,042,848.70	0.034	119.73	0.03%	0.04	2.68%	3.21	0.01%	0.01	0.62%	0.74	1.60%	1.92	3.84%	4.60	10.52
Stationary Mix Tank -17	3	1,500.00	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.07	2.68%	5.56	0.01%	0.02	0.62%	1.29	1.60%	3.32	3.84%	7.96	18.21
Stationary Mix Tank -18	3	2,800.00	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.13	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	34.00
Stationary Mix Tank -19	3	750.00	821,250.00	8.345	6,099,464.81	0.034	103.69	0.03%	0.03	2.68%	2.78	0.01%	0.01	0.62%	0.64	1.60%	1.66	3.84%	3.98	9.11
Stationary Mix Tank -20	3	750.00	821,250.00	8.345	6,099,464.81	0.034	103.69	0.03%	0.03	2.68%	2.78	0.01%	0.01	0.62%	0.64	1.60				

Appendix A: Emissions Calculations
Particulate Emission Limitations
From Existing Paint Manufacturing Operations
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: FESOP 161-29562-00001
Plt ID: 161-00001
Reviewer: Anne-Marie C. Hart
Date: September 7, 2010

Emission Unit	Maximum Pigments Usage, lbs/yr	Maximum Pigments Usage, lbs/hr	Allowable PM Emission Rate in lbs/hr	Potential PM Emission Rate in lb/hr
Air Mixer-01	593,041.60	67.70	0.551	0.68
Air Mixer-02	552,835.39	63.11	0.551	0.63
Shar Mixer-02	603,093.15	68.85	0.551	0.69
Shar Mixer-03	603,093.15	68.85	0.551	0.69
Shar Mixer-04	603,093.15	68.85	0.551	0.69
Shar Mixer-06	502,577.63	57.37	0.551	0.57
Shar Mixer-08	603,093.15	68.85	0.551	0.69
Shar Mixer-09	603,093.15	68.85	0.551	0.69
Hydraulic Mixer Hyd-07	603,093.15	68.85	0.551	0.69
Hydraulic Mixer Hyd-08	603,093.15	68.85	0.551	0.69
Stationary Mix Tank -01	4,523,198.63	516.35	1.65	5.16
Stationary Mix Tank -02	4,523,198.63	516.35	1.65	5.16
Stationary Mix Tank -03	2,261,599.31	258.17	1.04	2.58
Stationary Mix Tank -04	2,261,599.31	258.17	1.04	2.58
Stationary Mix Tank -05	1,507,732.88	172.12	0.79	1.72
Stationary Mix Tank -06	1,507,732.88	172.12	0.79	1.72
Stationary Mix Tank -07	2,814,434.70	321.28	1.20	3.21
Stationary Mix Tank -08	1,507,732.88	172.12	0.79	1.72
Stationary Mix Tank -09	2,814,434.70	321.28	1.20	3.21
Stationary Mix Tank -10	2,814,434.70	321.28	1.20	3.21
Stationary Mix Tank -11	703,608.68	80.32	0.551	0.80
Stationary Mix Tank -12	703,608.68	80.32	0.551	0.80
Stationary Mix Tank -13	703,608.68	80.32	0.551	0.80
Stationary Mix Tank -14	703,608.68	80.32	0.551	0.80
Stationary Mix Tank -15	870,464.45	99.37	0.551	0.99
Stationary Mix Tank -16	870,464.45	99.37	0.551	0.99
Stationary Mix Tank -17	1,507,732.88	172.12	0.79	1.72
Stationary Mix Tank -18	2,814,434.70	321.28	1.20	3.21
Stationary Mix Tank -19	753,866.44	86.06	0.551	0.86
Stationary Mix Tank -20	753,866.44	86.06	0.551	0.86

Allowable PM Emission Rate (lb/hr) = 4.1 x Process Weight Rate^{0.67}

Limited Allowable PM Emission Rate (lb/hr) = 4.1 x Limited Process Weight Rate^{0.67}

Process Weight Rate is limited by FESOP F161-22514-00001, issued July 26, 2006

Units with process weight rates have an allowable emission rate of 0.551 pound per hour pursuant to 326 IAC 6-3-2(e)(2)

The source will comply with the allowable emissions rate by ensuring that the mixing units are covered at all times the mixing units are in operation

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Furnace**

Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: FESOP 161-29562-00001
Plt ID: 161-00001
Reviewer: Anne-Marie C. Hart
Date: September 7, 2010

Heat Input Capacity
MMBtu/hr
10.0

Potential Throughput
MMCF/yr
87.6

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10/PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.08	0.33	0.03	4.38	0.24	3.68

*PM emission factor is filterable PM only. PM10/PM2.5 emission factor is filterable and condensable PM10 combined.
 **Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
 See next page for HAPs emissions calculations.

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	9.198E-05	5.256E-05	3.285E-03	7.884E-02	1.489E-04

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	2.190E-05	4.818E-05	6.132E-05	1.664E-05	9.198E-05

The five highest organic and metal HAPs emission factors are provided above. **Total 8.266E-02**
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations
Insignificant Activities
Parts Washers**

Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: FESOP 161-29562-00001
Plt ID: 161-00001
Reviewer: Anne-Marie C. Hart
Date: September 7, 2010

Unit	VOC Content (lb VOC/gal)	Maximum Usage (gal/yr)	Uncontrolled Potential VOC Emissions	Xylene		Ethyl Benzene	
				%	ton/yr	%	ton/yr
1	6.71	145	0.49	3%	0.01	0.86%	4.18E-03
2	6.71	145	0.49	3%	0.01	0.86%	4.18E-03
Total			0.97		0.03		8.37E-03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Ron Herring
Winslow-Browning, Inc.
215 Brownsville Ave
Liberty, IN 47353

DATE: January 19, 2011

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
New Source Review & FESOP Renewal
161-29562-00001

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
John Browning - Owner
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Thomas W. Easterly
Commissioner

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January 19, 2011

TO: Union County Public Library

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Winslow-Browning, Inc.
Permit Number: 161-29562-00001

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 1/19/2011 Winslow-Browning Inc 161-29562-00001 Final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Ron Herring Winslow-Browning Inc 215 Brownsville Ave Liberty IN 47353 (Source CAATS) via confirmed delivery										
2		John Browning Owner Winslow-Browning Inc 215 Brownsville Ave Liberty IN 47353 (RO CAATS)										
3		Union County Commissioners 26 West Union Street Liberty IN 47353 (Local Official)										
4		Union County Health Department 26 W. Union, Room 11 Liberty IN 47353-1350 (Health Department)										
5		Union Co Public Library 2 E Seminary St Liberty IN 47353-1398 (Library)										
6		Liberty Town Council P.O. Box 7, 1 South Fairground Liberty IN 47353 (Local Official)										
7												
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9												
10												
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12												
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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