



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

To: Interested Parties

Date: November 21, 2014

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

Source Name: Winslow-Browning Inc

Permit Level: FESOP Significant Revision

Permit Number: 161-34894-00001

Source Location: 215 Brownsville Ave Liberty, Indiana 47353

Type of Action Taken: Revisions to permit requirements

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 matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, select Search option 3, then enter permit 34894.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201
100 North Senate Avenue, MC 50-07
Indianapolis, IN 46204
Phone: 1-800-451-6027 (ext. 4-0965)
Fax (317) 232-8659

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.

(continues on next page)

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.



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Michael R. Pence
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Dennis Higgins
Winslow-Browning, Inc.
215 Brownsville Avenue
Liberty, IN 47353

November 21, 2014

Re: 161-34894-00001
Significant Revision to
F161-29562-00001

Dear Mr. Higgins,

Winslow-Browning, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F161-29562-00001 on January 19, 2011 for a stationary paint manufacturing operation located at 215 Brownsville Avenue, Liberty, IN 47353. On September 3, 2014, the Office of Air Quality (OAQ) received an application from the source requesting the removal of four (4) stationary mixer tanks (ST-11, ST-12, ST-19, and ST-20), the increase maximum capacity and the re-identification of two (2) sand mill mixers (9P-01 and 9P-02) now identified as 16P-01 and 16P-02, the addition of a cyclone to shar mixer (SM-04) and to two (2) hydraulic mixers (Hyd-7 and Hyd-8), and the addition of metal HAP pigments in the coatings. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as revised, including the following new attachment:

Attachment A: 40 CFR 63, Subpart CCCCCC (7C), National Emission Standards for Hazardous Air Pollutants for Area Source: Paints and Allied Products Manufacturing

Previously issued approvals for this source containing these attachments are available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Deena Patton of my staff at 317-234-5400 or 1-800-451-6027, and ask for extension 4-5400.

Sincerely,



Jenny Acker, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

JLA/dp

cc: File - Union County
Union County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch



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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	
Original Signed by/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

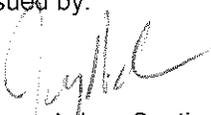
Significant Permit Revision No.: F161-34894-00001	
Issued by:  Jenny Acker, Section Chief Permits Branch Office of Air Quality	Issuance Date: November 21, 2014 Expiration Date: January 19, 2021

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Attachment A: 40 CFR 63, Subpart CCCCCC (7C), National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing [

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 16P-01, constructed prior to 1989 and approved in 2014 for modification, with a maximum capacity of 16 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as 16P-02, constructed prior to 1989 and approved in 2014 for modification, with maximum capacity of 16 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, modified in 2010, with a maximum capacity of 600 gallons per batch, each, SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone, identified as CY-01, during pouring and SM-02 and SM-03 exhaust to stack V-5 and CY-01 exhausts to V-2.
 - (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, constructed in 2010, with a maximum capacity of 600 gallons per batch, each, using one (1) cyclone,

identified as CY-01, for voluntary control during pouring and exhausting to stack V-2.

- (12) Sixteen (16) 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-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

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)]

(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:

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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
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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
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- (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) and (c) 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
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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)(1) and (c). 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)(1) and (c)

- (b) Emission Trades [326 IAC 2-8-15(b)]
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(b).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
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
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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)]

(a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

- (b) 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 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 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).

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. The analog instrument shall be capable of measuring values outside of the normal range.
- (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. Support information includes the following, where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

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. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. 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 16P-01, constructed prior to 1989 and approved in 2014 for modification, with a maximum capacity of 16 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as 16P-02, constructed prior to 1989 and approved in 2014 for modification, with maximum capacity of 16 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, modified in 2010, with a maximum capacity of 600 gallons per batch, each, SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone,

identified as CY-01, during pouring and SM-02 and SM-03 exhaust to stack V-5 and CY-01 exhausts to V-2.

- (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, constructed in 2010, with a maximum capacity of 600 gallons per batch, each, using one (1) cyclone, identified as CY-01, for voluntary control during pouring and exhausting to stack V-2.
- (12) Sixteen (16) 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-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

(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 non-metallic HAP emissions shall not exceed 0.0137 lb HAP/lb of solvent.
- (d) 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.
- (e) The maximum total metallic HAP emissions shall not exceed 20 lb/ton of pigment used pigment.
- (f) The maximum single metallic HAP emission shall not exceed 20 lb/ton of pigment used.

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/PM2.5) [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 facilities shall, each, 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 and PM2.5 from other emissions units at the source, shall limit the PM10 and PM2.5 from the entire source to less than 100 tons per twelve (12) consecutive month period, each, 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
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 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

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 10 and 13 through 18 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) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

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).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(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.

(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.2.1 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.2 Record Keeping Requirements

To document the compliance status with Condition D.2.1, on and after January 1, 2015, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

- (a) The name and address of the solvent supplier.
- (b) The date of purchase.
- (c) The type of solvent purchased.
- (d) The total volume of the solvent purchased.
- (e) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (f) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) The Grinding process consists of following units:
- (1) One (1) sand mill, identified as 16P-01, constructed prior to 1989 and modified in 2014, with a maximum capacity of 16 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as 16P-02, constructed prior to 1989 and modified in 2014, with maximum capacity of 16 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, modified in 2010 and 2014, with a maximum capacity of 600 gallons per batch, each, SM-02 and SM-03 using no controls, and SM-04 controlled by one (1) cyclone, identified as CY-01, during pouring and SM-02 and SM-03 exhaust to stack V-5 and CY-01 exhausts to V-2.
- (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, constructed in 2010 and modified in 2014, with a maximum capacity of 600 gallons per batch, each, using one (1) cyclone, identified as CY-01, for control during pouring and exhausting to stack V-2.
- (12) Sixteen (16) 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-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

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

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR 63, Subpart A]

(a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the above listed emissions units, as specified in 40 CFR Part 63, Subpart CCCCCC (7C), in accordance with the schedule in 40 CFR Part 63, Subpart CCCCCC (7C).

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

and

United States Environmental Protection Agency, Region 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

E.2.1 National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing [40 CFR 63, Subpart CCCCCC (7C)]

Pursuant to 40 CFR Part 63, Subpart CCCCCC, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of this permit), except as otherwise specified in 40 CFR Part 63, Subpart CCCCCC, for the paint mixing and blending operations:

- (1) 40 CFR 63.11599
- (2) 40 CFR 63.11600(b) and (c)
- (3) 40 CFR 63.11601
- (4) 40 CFR 63.11602
- (5) 40 CFR 63.11603
- (6) 40 CFR 63.11605
- (7) 40 CFR 63.11606
- (8) 40 CFR 63.11607
- (9) Table 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

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- | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• 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: 1,792,135 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: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. 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: _____

Attachment A

Federally Enforceable Operating Permit (FESOP) No: 161-29562-00001

[Downloaded from the eCFR on September 12, 2013]

Electronic Code of Federal Regulations

Title 40: Protection of Environment

PART 63—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES

Subpart CCCCCC—National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing

Source: 74 FR 63525, Dec. 3, 2009, unless otherwise noted.

APPLICABILITY AND COMPLIANCE DATES

§63.11599 Am I subject to this subpart?

(a) You are subject to this subpart if you own or operate a facility that performs paints and allied products manufacturing that is an area source of hazardous air pollutant (HAP) emissions and processes, uses, or generates materials containing HAP, as defined in §63.11607.

(b) The affected source consists of all paints and allied products manufacturing processes that process, use, or generate materials containing HAP at the facility.

(1) An affected source is existing if you commenced construction or reconstruction before June 1, 2009.

(2) An affected source is new if you commenced construction or reconstruction of the affected source on or after June 1, 2009.

(3) A facility becomes an affected source when you commence processing, using, or generating materials containing HAP, as defined in §63.11607.

(c) You are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not otherwise required by law to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a). Whether you have a title V permit or not, you must continue to comply with the provisions of this subpart.

(d) An affected source is no longer subject to this subpart if the facility no longer processes, uses, or generates materials containing HAP and does not plan to process, use or generate materials containing HAP in the future.

(e) The standards of this subpart do not apply to research and development facilities, as defined in section 112(c)(7) of the CAA.

[74 FR 63525, Dec. 3, 2009, as amended at 75 FR 10186, Mar. 5, 2010]

§63.11600 What are my compliance dates?

(a) If you own or operate an existing affected source, you must achieve compliance with the applicable provisions in this subpart by December 3, 2012.

(b) If you own or operate a new affected source, you must achieve compliance with the applicable provisions of this subpart by December 3, 2009, or upon startup of your affected source, whichever is later.

(c) If you own or operate a facility that becomes an affected source in accordance with §63.11599(b)(3) after the applicable compliance date in paragraphs (a) or (b) of this section, you must achieve compliance with the applicable provisions of this subpart by the date that you commence processing, using, or generating materials containing HAP, as defined in §63.11607.

STANDARDS, MONITORING, AND COMPLIANCE REQUIREMENTS

§63.11601 What are the standards for new and existing paints and allied products manufacturing facilities?

(a) For each new and existing affected source, you must comply with the requirements in paragraphs (a)(1) through (5) of this section. These requirements apply at all times.

(1) You must add the dry pigments and solids that contain compounds of cadmium, chromium, lead, or nickel and operate a capture system that minimizes fugitive particulate emissions during the addition of dry pigments and solids that contain compounds of cadmium, chromium, lead, or nickel to a process vessel or to the grinding and milling process.

(2) You must capture particulate emissions and route them to a particulate control device meeting the requirements of paragraph (a)(6) of this section during the addition of dry pigments and solids that contain compounds of cadmium, chromium, lead, or nickel to a process vessel. This requirement does not apply to pigments and other solids that are in paste, slurry, or liquid form.

(3) You must:

(i) Capture particulate emissions and route them to a particulate control device meeting the requirements of paragraph (a)(6) of this section during the addition of dry pigments and solids that contain compounds of cadmium, chromium, lead, or nickel to the grinding and milling process; or

(ii) Add pigments and other solids that contain compounds of cadmium, chromium, lead, or nickel to the grinding and milling process only in paste, slurry, or liquid form.

(4) You must:

(i) Capture particulate emissions and route them to a particulate control device meeting the requirements of paragraph (a)(5) of this section during the grinding and milling of materials containing compounds of cadmium, chromium, lead, or nickel; or

(ii) Fully enclose the grinding and milling equipment during the grinding and milling of materials containing compounds of cadmium, chromium, lead, or nickel; or

(iii) Ensure that the pigments and solids are in the solution during the grinding and milling of materials containing compounds of cadmium, chromium, lead, or nickel.

(5) The visible emissions from the particulate control device exhaust must not exceed 10-percent opacity for particulate control devices that vent to the atmosphere. This requirement does not apply to particulate control devices that do not vent to the atmosphere.

(6) [Reserved]

(b) For each new and existing affected source, you must comply with the requirements in paragraphs (b)(1) through (5) of this section.

(1) Process and storage vessels that store or process materials containing benzene or methylene chloride, except for process vessels which are mixing vessels, must be equipped with covers or lids meeting the requirements of paragraphs (b)(1)(i) through (iii) of this section.

(i) The covers or lids can be of solid or flexible construction, provided they do not warp or move around during the manufacturing process.

(ii) The covers or lids must maintain contact along at least 90-percent of the vessel rim. The 90-percent contact requirement is calculated by subtracting the length of any visible gaps from the circumference of the process vessel, and dividing this number by the circumference of the process vessel. The resulting ratio must not exceed 90-percent.

(iii) The covers or lids must be maintained in good condition.

(2) Mixing vessels that store or process materials containing benzene or methylene chloride must be equipped with covers that completely cover the vessel, except as necessary to allow for safe clearance of the mixer shaft.

(3) All vessels that store or process materials containing benzene or methylene chloride must be kept covered at all times, except for quality control testing and product sampling, addition of materials, material removal, or when the vessel is empty. The vessel is empty if:

(i) All materials containing benzene or methylene chloride have been removed that can be removed using the practices commonly employed to remove materials from that type of vessel, e.g., pouring, pumping, and aspirating; and

(ii) No more than 2.5 centimeters (one inch) depth of residue remains on the bottom of the vessel, or no more than 3 percent by weight of the total capacity of the vessel remains in the vessel.

(4) Leaks and spills of materials containing benzene or methylene chloride must be minimized and cleaned up as soon as practical, but no longer than 1 hour from the time of detection.

(5) Rags or other materials that use a solvent containing benzene or methylene chloride for cleaning must be kept in a closed container. The closed container may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

[74 FR 63525, Dec. 3, 2009, as amended at 75 FR 10186, Mar. 5, 2010]

§63.11602 What are the performance test and compliance requirements for new and existing sources?

(a) For each new and existing affected source, you must demonstrate initial compliance by conducting the inspection and monitoring activities in paragraph (a)(1) of this section and ongoing compliance by conducting the inspection and testing activities in paragraph (a)(2) of this section.

(1) Initial particulate control device inspections and tests. You must conduct an initial inspection of each particulate control device according to the requirements in paragraphs (a)(1)(i) through (iii) of this section and perform a visible emissions test according to the requirements of paragraph (a)(1)(iv) of this section. You must record the results of each inspection and test according to paragraph (b) of this section and perform corrective action where necessary. You must conduct each inspection no later than 180 days after your applicable compliance date for each control device which has been operated within 60 days following the compliance date. For a control device which has not been installed or operated within 60 days following the compliance date, you must conduct an initial inspection prior to startup of the control device.

(i) For each wet particulate control system, you must verify the presence of water flow to the control equipment. You must also visually inspect the system ductwork and control equipment for leaks and inspect the interior of the control equipment (if applicable) for structural integrity and the condition of the control system.

(ii) For each dry particulate control system, you must visually inspect the system ductwork and dry particulate control unit for leaks. You must also inspect the inside of each dry particulate control unit for structural integrity and condition.

(iii) An initial inspection of the internal components of a wet or dry particulate control system is not required if there is a record that an inspection meeting the requirements of this subsection has been performed within the past 12 months and any maintenance actions have been resolved.

(iv) For each particulate control device, you must conduct a visible emission test consisting of three 1-minute test runs using Method 203C (40 CFR part 51, appendix M). The visible emission test runs must be performed during the addition of dry pigments and solids containing compounds of cadmium, chromium, lead, or nickel to a process vessel or to the grinding and milling equipment. If the average test results of the visible emissions test runs indicate an opacity greater than the applicable limitation in §63.11601(a), you must take corrective action and retest within 15 days.

(2) Ongoing particulate control device inspections and tests. Following the initial inspections, you must perform periodic inspections of each PM control device according to the requirements in paragraphs (a)(2)(i) or (ii) of this section. You must record the results of each inspection according to paragraph (b) of this section and perform corrective action where necessary. You must also conduct tests according to the requirements in paragraph (a)(2)(iii) of this section and record the results according to paragraph (b) of this section.

(i) You must inspect and maintain each wet particulate control system according to the requirements in paragraphs (a)(2)(i)(A) through (C) of this section.

(A) You must conduct a daily inspection to verify the presence of water flow to the wet particulate control system.

(B) You must conduct weekly visual inspections of any flexible ductwork for leaks.

(C) You must conduct inspections of the rigid, stationary ductwork for leaks, and the interior of the wet control system (if applicable) to determine the structural integrity and condition of the control equipment every 12 months.

(ii) You must inspect and maintain each dry particulate control unit according to the requirements in paragraphs (a)(2)(ii)(A) and (B) of this section.

(A) You must conduct weekly visual inspections of any flexible ductwork for leaks.

(B) You must conduct inspections of the rigid, stationary ductwork for leaks, and the interior of the dry particulate control unit for structural integrity and to determine the condition of the fabric filter (if applicable) every 12 months.

(iii) For each particulate control device, you must conduct a 5-minute visual determination of emissions from the particulate control device every 3 months using Method 22 (40 CFR part 60, appendix A-7). The visible emission test must be performed during the addition of dry pigments and solids containing compounds of cadmium, chromium, lead, or nickel to a process vessel or to the grinding and milling equipment. If visible emissions are observed for two minutes of the required 5-minute observation period, you must conduct a Method 203C (40 CFR part 51, appendix M) test within 15 days of the time when visible emissions were observed. The Method 203C test will consist of three 1-minute test runs and must be performed during the addition of dry pigments and solids containing compounds of cadmium, chromium, lead, or nickel HAP to a process vessel or to the grinding and milling equipment. If the Method 203C test runs indicates an opacity greater than the limitation in §63.11601(a)(5), you must comply with the requirements in paragraphs (a)(2)(iii)(A) through (C) of this section.

(A) You must take corrective action and retest using Method 203C within 15 days. The Method 203C test will consist of three 1-minute test runs and must be performed during the addition of dry pigments and solids containing compounds of cadmium, chromium, lead, or nickel to a process vessel or to the grinding and milling equipment. You must continue to take corrective action and retest each 15 days until a Method 203C test indicates an opacity equal to or less than the limitation in §63.11601(a)(5).

(B) You must prepare a deviation report in accordance with §63.11603(b)(3) for each instance in which the Method 203C opacity results were greater than the limitation in §63.11601(a)(5).

(C) You must resume the visible determinations of emissions from the particulate control device in accordance with paragraph (a)(2)(iii) of this section 3 months after the previous visible determination.

(b) You must record the information specified in paragraphs (b)(1) through (6) of this section for each inspection and testing activity.

(1) The date, place, and time;

(2) Person conducting the activity;

(3) Technique or method used;

(4) Operating conditions during the activity;

(5) Results; and

(6) Description of correction actions taken.

[74 FR 63525, Dec. 3, 2009, as amended at 75 FR 10186, Mar. 5, 2010]

§63.11603 What are the notification, reporting, and recordkeeping requirements?

(a) *Notifications.* You must submit the notifications identified in paragraphs (a)(1) and (2) of this section.

(1) *Initial Notification of Applicability.* If you own or operate an existing affected source, you must submit an initial notification of applicability required by §63.9(b)(2) no later than June 1, 2010. If you own or operate a new affected source, you must submit an initial notification of applicability required by §63.9(b)(2) no later than 180 days after initial start-up of the operations or June 1, 2010, whichever is

later. The notification of applicability must include the information specified in paragraphs (a)(1)(i) through (iii) of this section.

- (i) The name and address of the owner or operator;
- (ii) The address (i.e., physical location) of the affected source; and
- (iii) An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date.

(2) *Notification of Compliance Status.* If you own or operate an existing affected source, you must submit a Notification of Compliance Status in accordance with §63.9(h) of the General Provisions by June 3, 2013. If you own or operate a new affected source, you must submit a Notification of Compliance Status within 180 days after initial start-up, or by June 1, 2010, whichever is later. If you own or operate an affected source that becomes an affected source in accordance with §63.11599(b)(3) after the applicable compliance date in §63.11600 (a) or (b), you must submit a Notification of Compliance Status within 180 days of the date that you commence processing, using, or generating materials containing HAP, as defined in 63.11607. This Notification of Compliance Status must include the information specified in paragraphs (a)(2)(i) and (ii) of this section.

- (i) Your company's name and address;
- (ii) A statement by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification, a description of the method of compliance (i.e., compliance with management practices, installation of a wet or dry scrubber) and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart.

(b) *Annual Compliance Certification Report.* You must prepare an annual compliance certification report according to the requirements in paragraphs (b)(1) through (b)(3) of this section. This report does not need to be submitted unless a deviation from the requirements of this subpart has occurred. When a deviation from the requirements of this subpart has occurred, the annual compliance certification report must be submitted along with the deviation report.

(1) *Dates.* You must prepare and, if applicable, submit each annual compliance certification report according to the dates specified in paragraphs (b)(1)(i) through (iii) of this section.

- (i) The first annual compliance certification report must cover the first annual reporting period which begins the day of the compliance date and ends on December 31.
- (ii) Each subsequent annual compliance certification report must cover the annual reporting period from January 1 through December 31.
- (iii) Each annual compliance certification report must be prepared no later than January 31 and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance certification report must be submitted along with the deviation report, and postmarked no later than February 15.

(2) *General Requirements.* The annual compliance certification report must contain the information specified in paragraphs (b)(2)(i) through (iii) of this section.

- (i) Company name and address;

(ii) A statement in accordance with §63.9(h) of the General Provisions that is signed by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart; and

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period beginning on January 1 and ending on December 31.

(3) *Deviation Report.* If a deviation has occurred during the reporting period, you must include a description of deviations from the applicable requirements, the time periods during which the deviations occurred, and the corrective actions taken. This deviation report must be submitted along with your annual compliance certification report, as required by paragraph (b)(1)(iii) of this section.

(c) *Records.* You must maintain the records specified in paragraphs (c)(1) through (4) of this section in accordance with paragraphs (c)(5) through (6) of this section, for five years after the date of each recorded action.

(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification that you submitted in accordance with paragraph (a) of this section, and all documentation supporting any Notification of Applicability and Notification of Compliance Status that you submitted.

(2) You must keep a copy of each Annual Compliance Certification Report prepared in accordance with paragraph (b) of this section.

(3) You must keep records of all inspections and tests as required by §63.11602(b).

(4) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(5) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each recorded action.

(6) You must keep each record onsite for at least 2 years after the date of each recorded action according to §63.10(b)(1). You may keep the records offsite for the remaining 3 years.

(d) If you no longer process, use, or generate materials containing HAP after December 3, 2009, you must submit a Notification in accordance with §63.11599(d), which must include the information specified in paragraphs (e)(1) and (2) of this section.

(1) Your company's name and address;

(2) A statement by a responsible official indicating that the facility no longer processes, uses, or generates materials containing HAP, as defined in §63.11607, and that there are no plans to process, use or generate such materials in the future. This statement should also include the date by which the company ceased using materials containing HAP, as defined in 63.11607, and the responsible official's name, title, phone number, e-mail address and signature.

[74 FR 63525, Dec. 3, 2009, as amended at 75 FR 10186, Mar. 5, 2010]

§63.11604 [Reserved]

OTHER REQUIREMENTS AND INFORMATION

§63.11605 What General Provisions apply to this subpart?

Table 1 of this subpart shows which parts of the General Provisions in §§63.1 through 63.16 apply to you.

§63.11606 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by the U.S. EPA or a delegated authority such as a state, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to a State, local, or tribal agency pursuant to 40 CFR part 63, subpart E, then that Agency has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if this subpart is delegated to your state, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a state, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraphs (b)(1) through (4) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(1) Approval of an alternative nonopacity emissions standard under §63.6(g).

(2) Approval of a major change to test methods under §63.7(e)(2)(ii) and (f). A “major change to test method” is defined in §63.90

(3) Approval of a major change to monitoring under §63.8(f). A “major change to monitoring” is defined in §63.90.

(4) Approval of a major change to recordkeeping/reporting under §63.10(f). A “major change to recordkeeping/reporting” is defined in §63.90. As required in §63.11432, you must comply with the requirements of the NESHAP General Provisions (40 CFR part 63, subpart A) as shown in the following table.

§63.11607 What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act, §63.2, and in this section as follows:

Construction means the onsite fabrication, erection, or installation of an affected source. Addition of new equipment to an affected source does not constitute construction, but it may constitute reconstruction of the affected source if it satisfies the definition of reconstruction in §63.2.

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or management practices established by this subpart;

(2) Fails to meet any term or condition that is adopted to implement a requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emissions limitation or management practice in this subpart.

Dry particulate control system means an air pollution control device that uses filtration, impaction, or electrical forces to remove particulate matter in the exhaust stream.

Fabric filter means an air collection and control system that utilizes a bag filter to reduce the emissions of metal HAP and other particulate matter.

Material containing HAP means a material containing benzene, methylene chloride, or compounds of cadmium, chromium, lead, and/or nickel, in amounts greater than or equal to 0.1 percent by weight for carcinogens, as defined by the Occupational Safety and Health Administration at 29 CFR 1910.1200(d)(4), or 1.0 percent by weight for non-carcinogens, as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material. Benzene and methylene chloride are volatile HAP. Compounds of cadmium, chromium, lead and/or nickel are metal HAP.

Paints and allied products means materials such as paints, inks, adhesives, stains, varnishes, shellacs, putties, sealers, caulks, and other coatings from raw materials that are intended to be applied to a substrate and consists of a mixture of resins, pigments, solvents, and/or other additives.

Paints and allied products manufacturing means the production of paints and allied products, the intended use of which is to leave a dried film of solid material on a substrate. Typically, the manufacturing processes that produce these materials are described by Standard Industry Classification (SIC) codes 285 or 289 and North American Industry Classification System (NAICS) codes 3255 and 3259 and are produced by physical means, such as blending and mixing, as opposed to chemical synthesis means, such as reactions and distillation. Paints and allied products manufacturing does not include:

- (1) The manufacture of products that do not leave a dried film of solid material on the substrate, such as thinners, paint removers, brush cleaners, and mold release agents;
- (2) The manufacture of electroplated and electroless metal films;
- (3) The manufacture of raw materials, such as resins, pigments, and solvents used in the production of paints and coatings; and
- (4) Activities by end users of paints or allied products to ready those materials for application.

Paints and allied products manufacturing process means all the equipment which collectively function to produce a paint or allied product. A process may consist of one or more unit operations. For the purposes of this subpart, the manufacturing process includes any, all, or a combination of, weighing, blending, mixing, grinding, tinting, dilution or other formulation. Cleaning operations, material storage and transfer, and piping are considered part of the manufacturing process. This definition does not cover activities by end users of paints or allied products to ready those materials for application. Quality assurance and quality control laboratories are not considered part of a paints and allied products manufacturing process. Research and development facilities, as defined in section 112(c)(7) of the CAA are not considered part of a paints and allied products manufacturing process.

Particulate matter control device means any equipment, device, or other article that is designed and/or installed for the purpose of reducing or preventing the discharge of metal HAP emissions to the atmosphere.

Process vessel means any stationary or portable tank or other vessel of any capacity and in which mixing, blending, diluting, dissolving, temporary holding, and other processing steps occur in the manufacturing of a coating.

Responsible official means one of the following:

(1) For a corporation: A president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities and either:

(i) The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or

(ii) The delegation of authority to such representative is approved in advance by the Administrator.

(2) For a partnership or sole proprietorship: A general partner or the proprietor, respectively.

(3) For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of the EPA).

(4) For affected sources (as defined in this part) applying for or subject to a title V permit: "Responsible official" shall have the same meaning as defined in part 70 or Federal title V regulations in this chapter (42 U.S.C. 7661), whichever is applicable.

Storage vessel means a tank, container or other vessel that is used to store volatile liquids that contain one or more of the listed volatile HAP, benzene or methylene chloride, as raw material feedstocks or products. It also includes objects, such as rags or other containers which are stored in the vessel. The following are not considered storage vessels for the purposes of this subpart:

(1) Vessels permanently attached to motor vehicles such as trucks, railcars, barges, or ships;

(2) Pressure vessels designed to operate in excess of 204.9 kilopascals and without emissions to the atmosphere;

(3) Vessels storing volatile liquids that contain HAP only as impurities;

(4) Wastewater storage tanks; and

(5) Process vessels.

Wet particulate control device means an air pollution control device that uses water or other liquid to contact and remove particulate matter in the exhaust stream.

[74 FR 63525, Dec. 3, 2009, as amended at 75 FR 31320, June 3, 2010]

§§63.11608-63.11618 [Reserved]

Table 1 to Subpart CCCCCC of Part 63—Applicability of General Provisions to Paints and Allied Products Manufacturing Area Sources

As required in §63.11599, you must meet each requirement in the following table that applies to you. Part 63 General Provisions that apply for Paints and Allied Products Manufacturing Area Sources:

Citation	Subject	Applies to subpart
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		CCCCCC
63.1	Applicability	Yes.
63.2	Definitions	Yes.
63.3	Units and abbreviations	Yes.
63.4	Prohibited activities	Yes.
63.5	Preconstruction review and notification requirements	No.
63.6(a), (b)(1)-(b)(5), (c), (e)(1), (f)(2), (f)(3), (g), (i), (j)	Compliance with standards and maintenance requirements	Yes.
63.7(a), (e), and (f)	Performance testing requirements	Yes.
63.8	Monitoring requirements	No.
63.9(a)-(d), (i), and (j)	Notification Requirements	Yes.
63.10(a), (b)(1)	Recordkeeping and Reporting	Yes.
63.10(d)(1)	Recordkeeping and Reporting	Yes.
63.11	Control device and work practice requirements	No.
63.12	State authority and delegations	Yes.
63.13	Addresses of state air pollution control agencies and EPA regional offices	Yes.
63.14	Incorporation by reference	No.
63.15	Availability of information and confidentiality	Yes.
63.16	Performance track provisions	

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Significant Permit Revision to a
Federally Enforceable State Operating Permit (FESOP) Renewal

Source Description and Location

Source Name:	Winslow-Browning, Inc.
Source Location:	215 Brownsville Avenue, Liberty, IN 47353
County:	Union
SIC Code:	2851 (Paints, Varnishes, Lacquers, Enamels, and Allied Products)
Operation Permit No.:	F 161-29562-00001
Operation Permit Issuance Date:	January 19, 2011
Significant Permit Revision No.:	161-34894-00001
Permit Reviewer:	Deena Patton

On September 3, 2014, the Office of Air Quality (OAQ) received an application from Winslow-Browning, Inc. related to a modification to an existing stationary paint manufacturing operation.

Existing Approvals

The source was issued FESOP Renewal No. F161-29562-00001 on January 19, 2011. There have been no subsequent approvals issued.

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 July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

- (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}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
 Union County has been classified as attainment or unclassifiable in Indiana for all regulated 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.

Status of the Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits:

This PTE table is from the TSD or Appendix A of 161-29562-00001, issued on January 19, 2011

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)									
	PM	PM10*	PM2.5**	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e***	Total HAPs	Worst Single HAP
Paint Mixing and Blending Operations	0.90	0.90	0.90	0.00	0.00	24.65	0.00	NA	2.16	0.95 (Hexane)
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	NA	0.04	0.03 (Xylene)
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.38	0.24	3.68	NA	0.08	0.08 (Hexane)
Total PTE of Entire Source	0.98	1.23	1.23	0.03	4.38	25.86	3.68	NA	2.29	1.03 (Hexane)
Title V Major Source Thresholds	-	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000	-	-

negl. = negligible
 * Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".
 **PM_{2.5} listed is direct PM_{2.5}.
 ***The 100,000 CO₂e threshold represents the Title V and PSD subject-to-regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

- (a) This existing source is not a major stationary source under PSD (326 IAC 2-2), because no PSD regulated pollutant, excluding GHGs, is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the Permittee has accepted limits on HAPs emissions to less than ten (10) tons per year for any

single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHGs is less than one hundred thousand (100,000) tons of CO₂ equivalent (CO₂e) emissions per year.

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Winslow-Browning, Inc. on September 3, 2014, relating to the removal of four (4) stationary mixer tanks (ST-11, ST-12, ST-19, and ST-20), the increase maximum capacity and the re-identification of two (2) sand mill mixers (9P-01 and 9P-02) now identified as 16P-01 and 16P-02, the addition of a cyclone to shar mixer (SM-04) and to two (2) hydraulic mixers (Hyd-7 and Hyd-8), and the addition of metal HAP pigments in the coatings.

The following is a list of the modified emission units and pollution control devices:

- (a) The Grinding process consists of the following units, constructed prior to 1989, and approved in 2014 for modification:

Emission Unit ID	Mill Description	Max. Capacity (gallons)	Stack ID
9P-01 16P-01	Sand Mill	9 16	V-6
9P-02 16P-02	Sand Mill	9 16	V-6
3P-04	Sand Mill	3	V-6

- (b) The batch maker process consists of the following units:

- (4) Three (3) shar mixers, identified as SM-02 through SM-04, constructed prior to 1989, ~~approved for modification~~ **modified** in 2010, with a maximum capacity of 600 gallons per batch, each, **SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone, identified as CY-01, during pouring** ~~uncontrolled~~ and **SM-02 and SM-03** exhausting to stack V-5 and **CY-01 exhausts to V-2.**

- (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~~ **using one (1) cyclone, identified as CY-01, for voluntary control during pouring** and exhausting to stack V-2.

- (12) ~~Twenty~~ **Sixteen (2016)** Stationary mixer tanks constructed prior to 1989:

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID

ST-11	Stationary Mixer Tank	700	V-9
ST-12	Stationary Mixer Tank	700	V-9

ST-19	Stationary Mixer Tank	750	V-9
ST-20	Stationary Mixer Tank	750	V-9

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8-11.1 (Permit Revisions). This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
Sand Mixers	0.02	0.02	0.02	0.00	0.00	0.65	0.00	0.00	187.58	235.48 (Hexane)
Total PTE of Proposed Revision	0.02	0.02	0.02	0.00	0.00	0.65	0.00	0.00	187.58	235.48 (Hexane)

negl. = negligible

- (a) Pursuant to 326 IAC 2-8-11.1(f)(1)(E), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves a change in operation - where the PTE of any pollutant increases as indicated below with potential to emit greater than or equal to twenty-five (25) tons per year of the following pollutants:
 - (i) Volatile Organic Compounds (VOC).
- (b) Pursuant to 326 IAC 2-8-11.1(f)(1)(G), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision has a potential to emit greater than or equal to ten (10) tons per year of a single HAP and twenty-five (25) tons per year of any combination of HAPs.

PTE of the Entire Source After Issuance of the FESOP Revision

The table below summarizes the potential to emit of the entire source (*reflecting adjustment of existing limits*), with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance (tons/year)									
	PM	PM10*	PM2.5**	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e***	Total HAPs	Worst Single HAP
Paint Mixing and Blending Operations	0.90 8.96	0.90 8.96	0.90 8.96	0.00	0.00	24.65	0.00	0.00	2.16 11.12	0.95 8.96 (Hexane) Lead & Chromium
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.04	0.03 (Xylene)
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.38 4.29	0.24	3.68 3.61	5183.56	0.08	0.08 (Hexane)

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance (tons/year)									
	PM	PM10*	PM2.5**	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e***	Total HAPs	Worst Single HAP
Total PTE of Entire Source	0.98 9.04	1.23 9.29	1.23 9.29	0.03	4.38 4.29	25.86	3.68 3.61	5186.56	2.29 11.24	1.03 8.96 (Hexane) Lead & Chromium
Title V Major Source Thresholds	-	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000	-	-
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} . ***The 100,000 CO ₂ e threshold represents the Title V and PSD subject-to-regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.										

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted).

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance (tons/year)									
	PM	PM10*	PM2.5**	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e***	Total HAPs	Worst Single HAP
Paint Mixing and Blending Operations	8.96	8.96	8.96	0.00	0.00	24.65	0.00	0.00	11.12	8.96 (Lead & Chromium)
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.04	0.03 (Xylene)
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.29	0.24	3.61	5183.56	0.08	0.08 (Hexane)
Total PTE of Entire Source	9.04	9.29	9.29	0.03	4.29	25.86	3.61	5186.56	11.24	8.96 (Lead & Chromium)
Title V Major Source Thresholds	-	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000	-	-
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} . ***The 100,000 CO ₂ e threshold represents the Title V and PSD subject-to-regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.										

(a) FESOP Status

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants, HAPs and CO₂e from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

(1) Criteria Pollutants

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (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 total pigment usage in painting manufacturing facilities shall not exceed 1,792,135 pounds per twelve (12) consecutive month period with compliance determined at the end of each month.
- (D) The PM₁₀/PM_{2.5} emissions from the pain manufacturing facilities shall not exceed 20 pounds of PM₁₀/PM_{2.5} per ton of pigment used.

Compliance with these limits, combined with the potential to emit VOC, PM₁₀, and PM_{2.5} from all other emission units at this source, shall limit the source-wide total potential to emit of VOC, PM₁₀, and PM_{2.5} to less than 100 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits), 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

(2) HAPs

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (1) The maximum single non-metallic HAP emissions shall not exceed 0.0137 lb HAP/lb of solvent.
- (2) 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.
- (3) The maximum total metallic HAP emissions shall not exceed 20 lb/ton of pigment used pigment.
- (4) The maximum single metallic HAP emission shall not exceed 20 lb/ton of pigment used.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, shall limit the source-wide total potential to emit of any single HAP to less than ten (10) tons per twelve (12) consecutive month period, total HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period shall render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP) not applicable.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included for this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing, 40 CFR 63.7980, Subpart HHHHH *and* 326 IAC 20-88, are not included for this proposed revision, since this source is not located at or part of a major source of HAPs.
- (c) This source is subject to the National Emission Standards for Hazardous Air Pollutants for Area Source: Paints and Allied Products Manufacturing (40 CFR 63, Subpart CCCCCC (7C)), since this source produces paints and is an area source of HAPs.

The units subject to this rule include the following:

- (a) The Grinding process consists of following units:
 - (1) One (1) sand mill, identified as 16P-01, constructed prior to 1989 and approved in 2014 for modification, with a maximum capacity of 16 gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as 16P-02, constructed prior to 1989 and approved in 2014 for modification, with maximum capacity of 16 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, modified in 2010, with a maximum capacity of 600 gallons per batch, each, SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone, identified as CY-01, during pouring and exhausting to stack V-5 and CY-01 exhausts to V-2.
- (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, constructed in 2010, with a maximum capacity of 600 gallons per batch, each, using one (1) cyclone, identified as CY-01, for voluntary control during pouring and exhausting to stack V-2.
- (12) Sixteen (16) 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-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

Applicable portions of the NESHAP are the following:

- (1) 40 CFR 63.11599
- (2) 40 CFR 63.11600(b) and (c)
- (3) 40 CFR 63.11601
- (4) 40 CFR 63.11602
- (5) 40 CFR 63.11603
- (6) 40 CFR 63.11605
- (7) 40 CFR 63.11606
- (8) 40 CFR 63.11607
- (9) Table 1

The requirements of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1, apply to the source except as otherwise specified in 40 CFR 63, Subpart CCCCCC (7C).

- (d) There are no other National Emission Standards for Hazardous Air Pollutants (40 CFR Part 63), 326 IAC 14 and 326 IAC 20 included for this proposed revision.

Compliance Assurance Monitoring (CAM)

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.

State Rule Applicability Determination

- (a) 326 IAC 2-8-4 (FESOP)
 This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

- (b) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The unlimited potential to emit of HAPs from the modified units is greater than ten (10) tons per year for any single HAP and/or greater than twenty-five (25) tons per year of a combination of HAPs. However, the source shall limit the potential to emit HAPs from the modified units to less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, the proposed revision is not subject to the requirements of 326 IAC 2-4.1. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 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.
- (f) 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.
- (g) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (h) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Sand mill 16P-01 and 16P-02

- (i) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), sand mill 16P-01 and 16P-02 are not subject to the provisions of 326 IAC 6-3-2, since the potential to emit particulate is less than five hundred fifty-one thousandths (0.551) pounds per hour.
- (j) 326 IAC 8-1-6 (VOC Rules; general reduction requirements for new facilities)
The unlimited VOC potential emissions from sand mill 16P-01 and 16P-02 is greater than twenty-five (25) tons per year, however, the source shall limit the VOC potential emissions from the paint

manufacturing operation, which includes 16P-01 and 16P-02, to less than twenty-five (25) tons per year. Therefore, 16P-01 and 16P-02 are 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 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 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.

Parts Washer

- (k) 326 IAC 8-3-2 (Organic Solvent Degreasing Operations)
The two (2) parts washers were constructed prior to January 1, 1980 and are therefore not subject to the provisions of 326 IAC 8-3-2. However, the Permittee is subject to the provisions of 326 IAC 8-3-8, since the source uses solvent in a cold cleaner degreaser.

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP No: F161-29562-00001, issued on January 19, 2011.

Proposed Changes

The following changes listed below are due to the proposed (*revision or amendment*). Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

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-04~~ **16P-01**, constructed prior to 1989 **and approved in 2014 for modification**, with a maximum capacity of ~~9~~ **16** gallons per batch, uncontrolled, and exhausting to stack V-6.
 - (2) One (1) sand mill, identified as ~~9P-02~~ **16P-02**, constructed prior to 1989 **and approved in 2014 for modification**, with maximum capacity of ~~9~~ **16** gallons per batch, uncontrolled, and exhausting to stack V-6.

- (b) The batch maker process consists of the following units:

- (4) Three (3) shar mixers, identified as SM-02 through SM-04, constructed prior to 1989, ~~approved for modification~~ **modified** in 2010, with a maximum capacity of 600 gallons per batch, each, **SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone, identified as CY-01, during pouring** ~~uncontrolled~~ and **SM-02 and SM-03** exhausting to stack V-5 and **CY-01 exhausts to V-2.**

- (11) Two (2) big hydraulic mixers, identified as Hyd-7 and Hyd-8, ~~approved for construction~~ **ed** in 2010, with a maximum capacity of 600 gallons per batch, each, ~~uncontrolled~~ **using one (1) cyclone, identified as CY-01, for voluntary control during pouring** and exhausting to stack V-2.
- (12) ~~Twenty Sixteen~~ **(2016)** stationary mixer tanks constructed prior to 1989:

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID

ST-11	Stationary Mixer Tank	700	V-9
ST-12	Stationary Mixer Tank	700	V-9

ST-19	Stationary Mixer Tank	750	V-9
ST-20	Stationary Mixer Tank	750	V-9

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-04~~ **16P-01**, constructed prior to 1989 **and approved in 2014 for modification**, with a maximum capacity of ~~9~~ **16** gallons per batch, uncontrolled, and exhausting to stack V-6.
- (2) One (1) sand mill, identified as ~~9P-02~~ **16P-02**, constructed prior to 1989 **and approved in 2014 for modification**, with maximum capacity of ~~9~~ **16** gallons per batch, uncontrolled, and exhausting to stack V-6.

- (b) The batch maker process consists of the following units:

- (4) Three (3) shar mixers, identified as SM-02 through SM-04, constructed prior to 1989, ~~approved for modification~~ **modified** in 2010, with a maximum capacity of 600 gallons per batch, each, **SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone, identified as CY-01, during pouring** ~~uncontrolled~~ and **SM-02 and SM-03** exhausting to stack V-5 and **CY-01 exhausts to V-2.**

(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~~ **using one (1) cyclone, identified as CY-01, for voluntary control during pouring** and exhausting to stack V-2.

(12) ~~Twenty~~ **Sixteen (2016)** stationary mixer tanks constructed prior to 1989:

Emission Unit ID	Tank Description	Max. Capacity (gallons)	Stack ID

ST-11	Stationary Mixer Tank	700	V-9
ST-12	Stationary Mixer Tank	700	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 **non-metallic** HAP emissions shall not exceed 0.0137 lb HAP/lb of solvent.
- (d) The maximum total (**non-metallic and metallic**) HAP emissions shall not exceed 0.034 lb HAP/lb of solvent
- (e) **The maximum single metallic HAP emissions shall not exceed 20 lb/ton of pigment used**

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.1.3 Particulate [326 IAC 6-3]

- (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)

Stationary Mix Tank 11	80.32	0.551
Stationary Mix Tank 12	80.32	0.551

Stationary Mix Tank 19	86.06	0.551
Stationary Mix Tank 20	86.06	0.551

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~~ **01 through 10 and 13 through 18** shall operate with their covers on, unless loading or unloading of the tanks is occurring, at all times that the tanks are in operation.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:	
(a)	<p>The Grinding process consists of following units:</p> <ol style="list-style-type: none"> (1) One (1) sand mill, identified as 16P-01, constructed prior to 1989 and approved in 2014 for modification, with a maximum capacity of 16 gallons per batch, uncontrolled, and exhausting to stack V-6. (2) One (1) sand mill, identified as 16P-02, constructed prior to 1989 and approved in 2014 for modification, with maximum capacity of 16 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, modified in 2010, with a maximum capacity of 600 gallons per batch, each, SM-02 and SM-03 using no controls, and SM-04 voluntarily controlled by one (1) cyclone, identified as CY-01, during pouring and SM-02 and SM-03 exhaust to stack V-5 and CY-01 exhausts to V-2.**
- (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, constructed in 2010, with a maximum capacity of 600 gallons per batch, each, using one (1) cyclone, identified as CY-01, for voluntary control during pouring**

and exhausting to stack V-2.

(12) Sixteen (16) 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-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

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

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR 63, Subpart A]

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1, for the above listed emissions units, as specified in 40 CFR Part 63, Subpart CCCCCC (7C), in accordance with the schedule in 40 CFR Part 63, Subpart CCCCCC (7C).
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

and

United States Environmental Protection Agency, Region 5
 Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
 77 West Jackson Boulevard
 Chicago, Illinois 60604-3590

E.2.1 National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing [40 CFR 63, Subpart CCCCCC (7C)]

Pursuant to 40 CFR Part 63, Subpart CCCCCC, the Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of

this permit), except as otherwise specified in 40 CFR Part 63, Subpart CCCCCC, for the paint mixing and blending operations:

- (1) 40 CFR 63.11599
- (2) 40 CFR 63.11600(b) and (c)
- (3) 40 CFR 63.11601
- (4) 40 CFR 63.11602
- (5) 40 CFR 63.11603
- (6) 40 CFR 63.11605
- (7) 40 CFR 63.11606
- (8) 40 CFR 63.11607
- (9) Table 1

Additional Changes

IDEM, OAQ made additional revisions to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

[Change 1]: On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes to the rule sites listed in the permit. These changes are not changes to the underlining provisions. The change is only to site of these rules in Section B - Operational Flexibility. IDEM, OAQ has clarified the rule sites for the Preventive Maintenance Plan.

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

[Change 2]: On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes to the rule sites listed in the permit. These changes are not changes to the underlining provisions. The change is only to site of these rules in Section B - Operational Flexibility. IDEM, OAQ has clarified the rule sites for the Preventive Maintenance Plan.

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) **and (c)** ~~through (d)~~ without a prior permit revision, if each of the following conditions is met:

- (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)(2), (c)(1), and (d) **(b)(1) and (c)**. 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)(1) and (c)**.

- (b) Emission Trades [326 IAC 2-8-15 ~~(e)~~ **(b)**]
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)~~ **(c)**]

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.

[Change 3]: IDEM is changing the Section C Compliance Monitoring Condition to clearly describe when new monitoring for new and existing units must begin.

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

(a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

- (b)** 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.~~

[Change 4]: IDEM clarified the following condition to indicate that the analog instrument must be capable of measuring the parameters outside the normal range.

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. **The analog instrument shall be capable of measuring values outside of the normal range.**
- (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.

[Change 5]: IDEM, OAQ has clarified the Permittee's responsibility with regards to record keeping. IDEM added "where applicable" to the lists in Section C - General Record Keeping Requirements to more closely match the underlying rule.

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. **Support information includes the following, where applicable:**
- (AA) All calibration and maintenance records.**
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.**
 - (CC) Copies of all reports required by the FESOP.**
- Records of required monitoring information include the following, where applicable:**
- (AA) The date, place, as defined in this permit, and time of sampling or measurements.**
 - (BB) The dates analyses were performed.**
 - (CC) The company or entity that performed the analyses.**
 - (DD) The analytical techniques or methods used.**
 - (EE) The results of such analyses.**
 - (FF) The operating conditions as existing at the time of sampling or measurement.**

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.

[Change 6]: IDEM, OAQ has clarified the interaction of the Quarterly Deviation and Compliance Monitoring Report and the Emergency Provisions.

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. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph.** 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.

**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: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. **Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting.** 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".

[Change 7]: 326 IAC 8-3 rules have been updated since the last permit action. IDEM OAQ, reviewed the parts washer to determine applicability under the new language.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(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.**

(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 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.2 Record Keeping Requirements

To document the compliance status with Condition D.1.3, on and after January 1, 2015, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

- (a) The name and address of the solvent supplier.
- (b) The date of purchase.
- (c) The type of solvent purchased.
- (d) The total volume of the solvent purchased.
- (e) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

Conclusion and Recommendation

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 3, 2014.

The construction and operation of this proposed *revision* shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 161-34894-00004. The staff recommends to the Commissioner that this FESOP Significant Permit Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Deena Patton 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) 234-5400 or toll free at 1-800-451-6027 extension 4-5400.
- (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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Potential to Emit Summary**

**Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton**

Uncontrolled Potential to Emit (tons/year)											
Emission Unit/Operation	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	GHGs	HAPs**	Worst Single HAP**	
Sand Mill Mixers Before Mod.	0.03	0.03	0.03	0.00	0.00	0.83	0.00	0.00	573.75	250.85	Hexane
Sand Mill Mixers After Mod.*	0.05	0.05	0.05	0.00	0.00	1.47	0.00	0.00	761.33	235.48	Hexane
Difference	0.02	0.02	0.02	0.00	0.00	0.65	0.00	0.00	187.58	0.00	Hexane

*Modification includes the removal of four (4) stationary mixer tanks (ST-11, ST-12, ST-19, and ST-20), the increase maximum capacity of two (2) sand mill mixers (9P-01 and 9P-02) now identified as 16P-01 and 16P-02, the addition of a cyclone to shar mixer (SM-04) and to two (2) hydraulic mixers (Hyd-7 and Hyd-8), and the addition of metal HAP pigments in the coatings.

**Total paint manufacturing units, not just the units in the modification.

Uncontrolled Potential to Emit of Entire Source After Modification(tons/year)											
Emission Units/Operation	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	GHGs	HAPs	Worst Single HAP	
Paint Mixing and Blending Operations	222.92	222.92	222.92	0.00	0.00	6132.23	0.00	0.00	761.33	235.48	Hexane
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.038	0.029	Xylene
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.29	0.24	3.61	5,184	0.081	0.077	Hexane
Total	223.00	223.24	223.24	0.03	4.29	6133.44	3.61	5183.56	761.45	235.56	Hexane

Controlled Potential to Emit of Entire Source After Modification(tons/year)											
Emission Units/Operation	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	GHGs	HAPs	Worst Single HAP	
Paint Mixing and Blending Operations	216.58	216.58	216.58	0.00	0.00	6132.23	0.00	0.00	754.99	235.48	Hexane
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.038	0.029	Xylene
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.29	0.24	3.61	5,184	0.081	0.077	Hexane
Total	216.67	216.91	216.91	0.03	4.29	6133.44	3.61	5183.56	755.11	235.56	Hexane

Limited Potential to Emit of Entire Source After Modification(tons/year)											
Emission Units/Operation	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	GHGs	HAPs	Worst Single HAP	
Paint Mixing and Blending Operations	8.96	8.96	8.96	0.00	0.00	24.65	0.00	0.00	11.12	8.96	Lead & Chromium
Parts Washer	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.038	0.029	Xylene
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.29	0.24	3.61	5,184	0.081	0.08	Hexane
Total	9.04	9.29	9.29	0.03	4.29	25.86	3.61	5183.563	11.24	8.96	Lead & Chromium

**Appendix A: Emissions Calculations
VOC, Metal HAP, and Particulate Emissions
From Paint Manufacturing Operations
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton**

VOC/PM PTE:

Emission Unit	Maximum Batches/Day	Maximum Gallons/Batch	Maximum Gallons/Year	Density (lbs/gal) ¹	Maximum Pigments (lbs/yr) ²	Maximum Solvent (lbs/yr) ²	Emission Factor (lbs PM/ton pigment used) ³	Emission Factor (lbs VOC/ton pigment used) ³	PM/PM ₁₀ /PM _{2.5} (tons/yr) ⁴	VOC (tons/yr)	Cyclone Control Efficiency ⁵	Controlled PM/PM ₁₀ /PM _{2.5} (tons/yr)
Sand Mill 16P-01	1	16	5,840.00	8.345	5,360.83	43,373.97	20	0.034	0.03	0.74	0%	0.03
Sand Mill 16P-02	1	16	5,840.00	8.345	5,360.83	43,373.97	20	0.034	0.03	0.74	0%	0.03
Shar Mixer-04	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	70%	0.90
Hydraulic Mixer Hyd 7	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	70%	0.90
Hydraulic Mixer Hyd 8	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	70%	0.90
Total (tons/yr)									9.10	250.33		2.77

Metal HAP PTE⁶:

Uncontrolled PM Emissions (tons/yr) *	Controlled PM (tons/yr)	Antimony		Cobalt		Manganese		Chromium		Lead		Combined HAPs		
		Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Controlled (tons/yr)
222.92	216.58	27.50%	61.30	100.00%	222.92	6.00%	13.38	100.00%	222.92	100.00%	222.92	100%	222.92	216.58

* This is from the total source, not just the modified units.

Limited PTE:

Max Pigments (lbs/yr)	Max Solvent (lbs/yr)	Emission Factor (lbs PM/ton pigment used) ³	Emission Factor (lbs VOC/lb pigment used) ³	Limited PM (tons/yr)	Limited VOC (tons/yr)	Antimony		Cobalt		Manganese		Chromium		Lead		Combined HAPs	
						Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)
1,792,135	1450000	20	0.034	8.96	24.65	27.50%	2.46	100.00%	8.96	6.00%	0.54	100.00%	8.96	100.00%	8.96	100%	8.96

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 USEPA Inventory Improvement Program (EIP) Volume II: Chapter 8 Methods for Estimating Air Emission from Paint, Ink, and other Coating Manufacturing Facilities.

⁴ PM₁₀ emissions = PM_{2.5} emissions = PM emissions

⁵ The cyclone controls shar mixer SM-04 and hydraulic mixers Hyd 7 and Hyd 8. The control efficiency is 70% per manufacturer's specifications.

⁶ Some of the pigments contain metal HAPs. The following are the worst-case contents of metal HAPs in pigments.

HAP	Weight %	Pigment Name
Antimony Compounds	27.5%	Duranar Yellow #25 Tint
Cobalt Compounds	100%	Blue 190
Manganese Compounds	6%	6% Manganese
Chromium Compounds	100%	Neozapon Red 335
Lead Compounds	100%	Ming/Moly Orange

Methodology:

Maximum Gallons/Year = (Maximum Batches/Day) x (Maximum Gallons/Batch) x (365 Days/Year)

Maximum Pigments (Lbs/yr) = (Maximum Gallons/Year) x Density (lbs/Gal) x 11%

Maximum Solvent (Lbs/yr) = (Maximum Gallons/Year) x Density (lbs/Gal) x 89%

Potential PM Emissions (tons/yr) = [Maximum Pigments (lbs/yr)/(2,000 lbs/ton)] x EF (lbs PM/ton pigment) / (2,000 lbs/ton)

Controlled PM Emissions (tons/yr) = Potential PM Emissions (tons/yr) x (1-Control Efficiency Cyclone)

Potential VOC Emissions (tons/yr) = [Maximum Solvents (lbs/yr)] x EF (lbs VOC/lbs solvent) / (2,000 lbs/ton)

Potential HAP Emissions (tons/yr) = Potential PM Emissions (tons/yr) x Weight % HAP

Appendix A: Emissions Calculations
Solvent HAP Emissions
From Paint Manufacturing Operations
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton

Solvent HAP PTE¹:

Emission Unit	Maximum Batches/Day	Maximum Gallons/Batch	Maximum Gallons/Year	Density (lbs/gal) ¹	Maximum Solvent (lbs/yr) ²	Emission Factor (lbs VOC/ton pigment used) ³	VOC (tons/yr)	Toluene		Non-Exempt Glycol Ethers		Dimethyl Phthalate		Naphthalene		Isophorone		Hexane		Total Combined HAPs (tons/yr)
								Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	
Sand Mill 16P-01	1	16	5,840.00	8.345	43,373.97	0.034	0.74	0.03%	0.00	2.68%	0.02	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.03	0.06
Sand Mill 16P-02	1	16	5,840.00	8.345	43,373.97	0.034	0.74	0.03%	0.00	2.68%	0.02	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.03	0.06
Sand Mill 3P-03	1	3	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 3P-04	1	3	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	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 3P-06	1	3	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	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	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	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	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	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	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	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	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	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	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	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	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	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	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-03	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-04	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-05	3	300	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	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	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	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-09	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Hydraulic Mixer Hyd 1	3	300	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	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	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	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	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	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	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Hydraulic Mixer Hyd 8	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Stationary Mix Tank- 01	3	4500	4,927,500.00	8.345	36,596,788.88	0.034	622.15	0.03%	0.19	2.68%	16.67	0.01%	0.06	0.62%	3.86	1.60%	9.95	3.84%	23.89	54.62
Stationary Mix Tank- 02	3	4500	4,927,500.00	8.345	36,596,788.88	0.034	622.15	0.03%	0.19	2.68%	16.67	0.01%	0.06	0.62%	3.86	1.60%	9.95	3.84%	23.89	54.62
Stationary Mix Tank- 03	3	2250	2,463,750.00	8.345	18,298,394.44	0.034	311.07	0.03%	0.09	2.68%	8.34	0.01%	0.03	0.62%	1.93	1.60%	4.98	3.84%	11.95	27.31
Stationary Mix Tank- 04	3	2250	2,463,750.00	8.345	18,298,394.44	0.034	311.07	0.03%	0.09	2.68%	8.34	0.01%	0.03	0.62%	1.93	1.60%	4.98	3.84%	11.95	27.31
Stationary Mix Tank- 05	3	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Stationary Mix Tank- 08	3	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Stationary Mix Tank- 10	3	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Stationary Mix Tank- 13	3	700	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	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	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	10.51
Stationary Mix Tank- 16	3	866	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	10.51
Stationary Mix Tank- 17	3	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Total (tons/yr)								1.84	164.34	0.61	38.02	98.12	235.48	538.41						

Limited PTE:

Max Pigments (lbs/yr)	Max Solvent (lbs/yr)	Emission Factor (lbs PM/ton pigment used)	Emission Factor (lbs VOC/ton pigment)	Limited VOC (tons/yr)	Toluene		Non-Exempt Glycol Ethers		Dimethyl Phthalate		Naphthalene		Isophorone		Hexane		Total Combined HAPs (tons/yr)
					Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	
1,792,135	1450000	20	0.03	24.65	0.03%	0.01	2.68%	0.66	0.01%	0.00	0.62%	0.15	1.60%	0.39	3.84%	0.95	2.16

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

**Appendix A: Emissions Calculations
VOC and Particulate
From Paint Manufacturing Operations Prior to Modification**

**Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton**

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
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
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 -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 -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										23.65	650.63

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

Appendix A: Emissions Calculations
HAPs Emission
From Paint Manufacturing Operations Prior to Modification
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton

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 3P-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 3P-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 3P-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	5,892,833.83	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	5,892,833.83	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	5,892,833.83	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	5,892,833.83	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%	1.66	3.84%		

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

**Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton**

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
10.0	1020	85.9

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.1	0.3	0.3	0.0	4.3	0.2	3.6

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 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
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
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

Emission Factor in lb/MMcf	HAPs - Organics					Total - 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	9.018E-05	5.153E-05	3.221E-03	7.729E-02	1.460E-04	8.080E-02

Emission Factor in lb/MMcf	HAPs - Metals					Total - 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	2.147E-05	4.724E-05	6.012E-05	1.632E-05	9.018E-05	2.353E-04

Methodology is the same as above.

Total HAPs	8.104E-02
Worst HAP	7.729E-02

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

Greenhouse Gas Calculations

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	5,153	0.1	0.1
Summed Potential Emissions in tons/yr	5,153		
CO2e Total in tons/yr	5,184		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (25) + N2O Potential Emission ton/yr x N2O GWP (298).

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: 161-34894-00001
Reviewer: Deena Patton

Emission Unit	VOC Content (lb VOC/gal)	Maximum Usage (gal/yr)	Uncontrolled Potential VOC Emissions (ton/yr)	Uncontrolled Xylene		Uncontrolled Ethyl Benzene	
				%	ton/yr	%	ton/yr
1	6.71	145	0.49	3%	0.015	1%	0.0042
2	6.71	145	0.49	3%	0.015	1%	0.0042
Total			0.97		0.029		0.0084

Methodology:

Uncontrolled Potential VOC Emissions (ton/yr) = VOC Content (lb VOC/gal) * Maximum Usage (gal/yr) / 2000lbs/ton

Uncontrolled Xylene (ton/yr) = Uncontrolled Potential VOC Emissions (ton/yr) * Uncontrolled Xylene (%)

Uncontrolled Ethyl Benzene (ton/yr) = Uncontrolled Potential VOC Emissions (ton/yr) * Uncontrolled Ethyl Benzene (%)

**Appendix A: Emissions Calculations
VOC, Metal HAP, and Particulate Emissions
from Paint Manufacturing Operations**
Company Name: **Winstlow - Browning, Inc.**
Address City IN Zip: **215 Brownsville Avenue, Liberty, IN 47353**
Permit Number: **161-34894-0001**
Reviewer: **Deena Patton**

VOC/PM PTE:

Emission Unit	Maximum Batches/Day	Maximum Gallons/Batch	Maximum Gallons/Year	Density (lbs/gal) ¹	Maximum Pigments (lbs/yr) ²	Maximum Solvent (lbs/yr) ³	Emission Factor (lbs PM/ton pigment used) ³	Emission Factor (lbs VOC/ton pigment used) ³	PM/PM ₁₀ PM _{2.5}	VOC (tons/yr)	Cyclone Control Efficiency ⁵	Controlled PM/PM ₁₀ /PM _{2.5} (tons/yr)
Sand Mill 16P-01	1	16	5,840.00	8.345	5,360.83	43,373.97	20	0.034	0.03	0.74	0%	0.03
Sand Mill 16P-02	1	16	5,840.00	8.345	5,360.83	43,373.97	20	0.034	0.03	0.74	0%	0.03
Sand Mill 3P-03	1	3	1,095.00	8.345	1,005.16	8,132.62	20	0.034	0.01	0.14	0%	0.01
Sand Mill 3P-04	1	3	1,095.00	8.345	1,005.16	8,132.62	20	0.034	0.01	0.14	0%	0.01
Sand Mill 3P-05	1	9	3,285.00	8.345	3,015.47	24,397.86	20	0.034	0.02	0.41	0%	0.02
Sand Mill 3P-06	1	3	1,095.00	8.345	1,005.16	8,132.62	20	0.034	0.01	0.14	0%	0.01
Sand Mill 9P-07	1	9	3,285.00	8.345	3,015.47	24,397.86	20	0.034	0.02	0.41	0%	0.02
Sand Mill 9P-08	1	9	3,285.00	8.345	3,015.47	24,397.86	20	0.034	0.02	0.41	0%	0.02
Air Mixer-01	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-02	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-03	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-04	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-05	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-06	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-07	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-08	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-09	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Air Mixer-10	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Shar Mixer-01	3	400	438,000.00	8.345	402,062.10	3,253,047.90	20	0.034	2.01	55.30	0%	2.01
Shar Mixer-02	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	0%	3.02
Shar Mixer-03	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	0%	3.02
Shar Mixer-04	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	70%	0.90
Shar Mixer-05	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Shar Mixer-06	3	500	547,500.00	8.345	502,577.63	4,066,309.88	20	0.034	2.51	69.13	0%	2.51
Shar Mixer-07	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Shar Mixer-08	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	0%	3.02
Shar Mixer-09	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	0%	3.02
Hydraulic Mixer Hyd 1	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Hydraulic Mixer Hyd 2	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Hydraulic Mixer Hyd 3	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Hydraulic Mixer Hyd 4	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Hydraulic Mixer Hyd 5	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Hydraulic Mixer Hyd 6	3	300	328,500.00	8.345	301,546.58	2,439,785.93	20	0.034	1.51	41.48	0%	1.51
Hydraulic Mixer Hyd 7	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	70%	0.90
Hydraulic Mixer Hyd 8	3	600	657,000.00	8.345	603,093.15	4,879,571.85	20	0.034	3.02	82.95	70%	0.90
Stationary Mix Tank-01	3	4500	4,927,500.00	8.345	4,523,198.63	36,596,788.88	20	0.034	22.62	622.15	0%	22.62
Stationary Mix Tank-02	3	4500	4,927,500.00	8.345	4,523,198.63	36,596,788.88	20	0.034	22.62	622.15	0%	22.62
Stationary Mix Tank-03	3	2250	2,463,750.00	8.345	2,261,599.31	18,298,394.44	20	0.034	11.31	311.07	0%	11.31
Stationary Mix Tank-04	3	2250	2,463,750.00	8.345	2,261,599.31	18,298,394.44	20	0.034	11.31	311.07	0%	11.31
Stationary Mix Tank-05	3	1500	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20	0.034	7.54	207.38	0%	7.54
Stationary Mix Tank-06	3	1500	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20	0.034	7.54	207.38	0%	7.54
Stationary Mix Tank-07	3	2800	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20	0.034	14.07	387.11	0%	14.07
Stationary Mix Tank-08	3	1500	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20	0.034	7.54	207.38	0%	7.54
Stationary Mix Tank-09	3	2800	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20	0.034	14.07	387.11	0%	14.07
Stationary Mix Tank-10	3	2800	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20	0.034	14.07	387.11	0%	14.07
Stationary Mix Tank-13	3	700	766,500.00	8.345	703,608.68	5,692,833.83	20	0.034	3.52	96.78	0%	3.52
Stationary Mix Tank-14	3	700	766,500.00	8.345	703,608.68	5,692,833.83	20	0.034	3.52	96.78	0%	3.52
Stationary Mix Tank-15	3	866	948,270.00	8.345	870,464.45	7,042,848.70	20	0.034	4.35	119.73	0%	4.35
Stationary Mix Tank-16	3	866	948,270.00	8.345	870,464.45	7,042,848.70	20	0.034	4.35	119.73	0%	4.35
Stationary Mix Tank-17	3	1500	1,642,500.00	8.345	1,507,732.88	12,198,929.63	20	0.034	7.54	207.38	0%	7.54
Stationary Mix Tank-18	3	2800	3,066,000.00	8.345	2,814,434.70	22,771,335.30	20	0.034	14.07	387.11	0%	14.07
Total (tons/yr)									222.92	6132.23		216.58

Metal HAP PTE:

Uncontrolled PM Emissions (tons/yr)	Controlled PM (tons/yr)	Antimony		Cobalt		Manganese		Chromium		PTE		Lead		Combined HAPs	
		Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)	Weight %	PTE (tons/yr)
222.92	216.58	27.50%	61.30	100.00%	222.92	6.00%	13.37	100.00%	222.92	100.00%	222.92	100%	222.92	100%	216.58

Limited PTE:

Max Pigments (lbs/yr)	Max Solvent (lbs/yr)	Emission Factor (lbs PM/ton pigment used) ³	Factor (lbs VOC/ solvent used) ³	Limited PM (tons/yr)	Limited VOC (tons/yr)	Antimony		Cobalt		Manganese		Chromium		Lead		Combined HAPs	
						Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)	Weight %	Limited Emissions (tons/yr)
1,292,135	1450000	20	0.034	8.96	24.65	27.50%	2.46	100.00%	8.96	6.00%	0.54	100.00%	8.96	100.00%	8.96	100%	8.96

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 USEPA Inventory Improvement Program (EIIP) Volume II: Chapter 8 Methods for Estimating Air Emission from Paint, Ink, and other Coating Manufacturing Facilities.

⁴ PM₁₀ emissions = PM_{2.5} emissions + PM emissions

⁵ The cyclone controls shar mixer SM-04 and hydraulic mixers Hyd 7 and Hyd 8. The control efficiency is 70% per manufacturer's specifications.

⁶ Some of the pigments contain metal HAPs. The following are the worst-case contents of metal HAPs in pigments.

HAP	Weight %	Pigment Name
Antimony Compounds	27.5%	Duramar Yellow #25 Tint
Cobalt Compounds	100%	Blue 190
Manganese Compounds	6%	6% Manganese
Chromium Compounds	100%	Neozapon Red 335
Lead Compounds	100%	Ming/Moly Orange

Methodology:

Maximum Gallons/Year = (Maximum Batches/Day) x (Maximum Gallons/Batch) x (365 Days/Year)

Maximum Pigments (lbs/yr) = (Maximum Gallons/Year) x Density (lbs/Gal) x 11%

Maximum Solvent (lbs/yr) = (Maximum Gallons/Year) x Density (lbs/Gal) x 89%

Potential PM Emissions (tons/yr) = [Maximum Pigments (lbs/yr) / (2,000 lbs/ton)] x EF (lbs PM/ton pigment) / (2,000 lbs/ton)

Controlled PM Emissions (tons/yr) = Potential PM Emissions (tons/yr) x (1-Control Efficiency Cyclone)

Potential VOC Emissions (tons/yr) = [Maximum Solvents (lbs/yr) / 1] x EF (lbs VOC/lbs solvent) / (2,000 lbs/ton)

Potential HAP Emissions (tons/yr) = Potential PM Emissions (tons/yr) x Weight % HAP

Appendix A: Emissions Calculations
Solvent HAP Emissions
from Paint Manufacturing Operations
Company Name: Winslow - Browning, Inc.
Address City IN Zip: 215 Brownsville Avenue, Liberty, IN 47353
Permit Number: 161-34894-00001
Reviewer: Deena Patton

Solvent HAP PTE¹:

Emission Unit	Maximum Batches/Day	Maximum Gallons/Batch	Maximum Gallons/Year	Density (lbs/gal) ¹	Maximum Solvent (lbs/yr) ²	Emission Factor (lbs VOC/ton pigment used) ³	VOC (tons/yr)	Toluene		Non-Exempt Glycol Ethers		Dimethyl Phthalate		Naphthalene		Isophorone		Hexane		Total Combined HAPs (tons/yr)
								Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	
Sand Mill 16P-01	1	16	5840.00	8.345	43,373.97	0.034	0.74	0.03%	0.00	2.68%	0.02	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.03	0.06
Sand Mill 16P-02	1	16	5840.00	8.345	43,373.97	0.034	0.74	0.03%	0.00	2.68%	0.02	0.01%	0.00	0.62%	0.00	1.60%	0.01	3.84%	0.03	0.06
Sand Mill 3P-03	1	3	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 3P-04	1	3	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	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 3P-06	1	3	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	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	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	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	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	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	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	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	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	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	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	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	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	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	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-03	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-04	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-05	3	300	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	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	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	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Shar Mixer-09	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Hydraulic Mixer Hvd 1	3	300	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 Hvd 2	3	300	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 Hvd 3	3	300	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 Hvd 4	3	300	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 Hvd 5	3	300	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 Hvd 6	3	300	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 Hvd 7	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Hydraulic Mixer Hvd 8	3	600	657,000.00	8.345	4,879,571.85	0.034	82.95	0.03%	0.02	2.68%	2.22	0.01%	0.01	0.62%	0.51	1.60%	1.33	3.84%	3.19	7.28
Stationary Mix Tank-01	3	4500	4,927,500.00	8.345	36,596,788.88	0.034	622.15	0.03%	0.19	2.68%	16.67	0.01%	0.06	0.62%	3.86	1.60%	9.95	3.84%	23.89	54.62
Stationary Mix Tank-02	3	4500	4,927,500.00	8.345	36,596,788.88	0.034	622.15	0.03%	0.19	2.68%	16.67	0.01%	0.06	0.62%	3.86	1.60%	9.95	3.84%	23.89	54.62
Stationary Mix Tank-03	3	2250	2,463,750.00	8.345	18,298,394.44	0.034	311.07	0.03%	0.09	2.68%	8.34	0.01%	0.03	0.62%	1.93	1.60%	4.98	3.84%	11.95	27.31
Stationary Mix Tank-04	3	2250	2,463,750.00	8.345	18,298,394.44	0.034	311.07	0.03%	0.09	2.68%	8.34	0.01%	0.03	0.62%	1.93	1.60%	4.98	3.84%	11.95	27.31
Stationary Mix Tank-05	3	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Stationary Mix Tank-08	3	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Stationary Mix Tank-10	3	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Stationary Mix Tank-13	3	700	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	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	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	10.51
Stationary Mix Tank-16	3	866	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	10.51
Stationary Mix Tank-17	3	1500	1,642,500.00	8.345	12,198,929.63	0.034	207.38	0.03%	0.06	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	2800	3,066,000.00	8.345	22,771,335.30	0.034	387.11	0.03%	0.12	2.68%	10.37	0.01%	0.04	0.62%	2.40	1.60%	6.19	3.84%	14.87	33.99
Total (tons/yr)								1.84		164.54		0.61		38.02		98.12		235.48		538.41

Limited PTE:

Max Pigments (lbs/yr)	Max Solvent (lbs/yr)	Factor (lbs PM/ton pigment used)	Factor (lbs VOC/ton pigment)	Limited VOC (tons/yr)	Toluene		Ethers		Dimethyl Phthalate		Naphthalene		Isophorone		Hexane		Total Combined HAPs (tons/yr)
					Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	Weight %	tons/yr	
1,792,135	1450000	20	0.03	24.65	0.03%	0.01	2.68%	0.66	0.01%	0.00	0.62%	0.15	1.60%	0.39	3.84%	0.95	2.16

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 USEPA Inventory Improvement Program (EIIP) Volume II: Chapter 8 Methods for Estimating Air Emission from Paint, Ink, and other Coating Manufacturing Facilities.
⁴ Percent of HAPs in solvents is provided by source.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Dennis Higgins
Winslow-Browning Inc
215 Brownsville Avenue
Liberty, IN 47353

DATE: November 21, 2014

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

SUBJECT: Final Decision
FESOP
161-34894-00001

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:
Katie Holcomb
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 6/13/2013



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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

November 21, 2014

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: 161-34894-00001

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 6/13/2013

Mail Code 61-53

IDEM Staff	CDENNY 11/21/2014 Winslow-Browning Inc 34894 (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	Handling 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		Dennis Higgins Winslow-Browning Inc 215 Brownsville Avenue Liberty IN 47353 (Source CAATS)									
2		Union County Commissioners 26 West Union Street Liberty IN 47353 (Local Official)									
3		Union County Health Department 26 W. Union, Room 11 Liberty IN 47353-1350 (Health Department)									
4		Union Co Public Library 2 E Seminary St Liberty IN 47353-1398 (Library)									
5		Liberty Town Council P.O. Box 7, 1 South Fairground Liberty IN 47353 (Local Official)									
6		Katie Holcomb 1302 N Meridian Suite # 300 Indianapolis IN 46202 (Consultant)									
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