



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: May 24, 2012

RE: Sherwin-Williams Company / 019-31274-00128

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot12/03/07



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**Federally Enforceable State Operating Permit
Renewal
OFFICE OF AIR QUALITY**

**Sherwin-Williams Company
4730 New Middle Rd.
Jeffersonville, Indiana 47130**

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

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.: F019-31274-00128	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 24, 2012 Expiration Date: May 24, 2022

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

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 plant that manufactures specialty coatings.

Source Address:	4730 New Middle Rd., Jeffersonville, Indiana 47130
General Source Phone Number:	(812) 288-0712
SIC Code:	2851 (Paint and Allied Products)
County Location:	Clark, Jeffersonville Township
Source Location Status:	Nonattainment for PM2.5 standard Attainment for all other 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) One (1) large mixing tank system, consisting of:
 - (1) One (1) mixing tank, identified as DT01, constructed in 2008, with a maximum capacity of 6,000 liters and a maximum production rate of 131.5 gallons per hour. The mixing tank DT01 vents to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (2) Two (2) mixing tanks, identified as DT02 and DT03, constructed in 2008, each with a maximum capacity of 4,000 liters and a maximum production rate of 87.7 gallons per hour. The mixing tanks DT02 and DT03 vent to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (3) One (1) packaging and filling line exhausting through EF-3.
- (b) One (1) small mixing tank system, consisting of:
 - (1) Six (6) small mixing tanks, identified as FM01 through FM06, constructed in 2008, each with a maximum capacity of 1,300 liters and each with a maximum production rate of 42.8 gallons per hour. The mixing tanks FM01 through FM06 vent through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (2) Two (2) small mixing tanks, identified as BM01 and BM02, constructed in 2008,

each with a maximum capacity of 25 gallons and each with a maximum production rate of 6.25 gallons per hour. The mixing tanks BM01 and BM02 vent through cartridge cleaner DC-1 while solid materials are being dumped or laded. During the mixing process the tanks vent to the atmosphere through EF-2.

- (3) One (1) packaging and filling line exhausting through EF-4.

This is an affected source under NESHAP Subpart CCCCCC.

Note: The maximum paint production at the source (for mixing tanks DT-01, DT-02, DT-03, FM-01, FM-02, FM-03, FM-04, FM-05, FM-06, BM-01, and BM-02) is 5,047,512 gallons of paint per year. DC-1 is a common control to all of the mixing tanks.

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) One (1) quality control center, consisting of:

- (1) One (1) manual spray booth simulator, identified as SB-1, constructed in 2008, with a maximum capacity of 0.76 gallons per hour (2.876 liters per hour), coating color cards, glass panels, and/or small wood pieces for quality control procedures and not for final sale, using dry filters as control, and exhausting to stack SB-1. The booth uses a high volume low pressure (HVLP) spray applicator.
- (2) One (1) continuous line spray booth simulator, identified as SM-1, constructed in 2008, with a maximum capacity of 1.89 gallons per hour (7.15 liters per hour), coating color cards, glass panels, and/or small wood pieces for quality control procedures and not for final sale, using dry filters as control, and exhausting to stack SM-1. The booth uses a high volume low pressure (HVLP) spray applicator.

Note: The quality control center booths SB-1 and SM-1 meet the definition of "insignificant laboratory activities" as specified in 326 IAC 2-7-1(21)(H).

- (b) One (1) customer demonstration center, consisting of:

- (1) One (1) manual spray booth simulator identified as SB-2, constructed in 2009, with a maximum capacity of 1.50 gallons per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, using dry filters as control, and exhausting to stack SB-2. The booth uses a high volume low pressure (HVLP) spray applicator.
- (2) One (1) continuous line spray booth simulator, identified as SM-2, constructed in 2009, with a maximum capacity of 0.50 gallons per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, and exhausting to stack SM-2. The booth uses a high volume low pressure (HVLP) spray applicator.
- (3) Two (2) Giardina roller coaters, constructed in 2009, with a maximum capacity of 1 gallon per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, each, with 100% transfer efficiency, exhausting through stack SM-1.

Note: The customer demonstration center booths SB-2 and SM-2 and the roller coaters meet the definition of "insignificant research and development activities" as

specified in 326 IAC 2-7-1(21)(l).

- (4) One (1) wood, plastic, and metal substrate sander meeting the definition of "insignificant grinding and machining operation" specified in 326 IAC 2-7-1(21)(K)(xxiii), constructed in 2008, using cartridge cleaner DC-2 as control and exhausting indoors.
- (c) Natural gas-fired space heaters, identified as EU3 and EU4, constructed in 2008, with a combined heat input capacity of 0.38 MMBtu/hr.
- (d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (e) Nine (9) general exhausts, identified as EF-1, EF-4, EF-5, EF-7, EF-9, EF-10, EF-12, EF-14, and EF-20.

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

- (a) This permit, F019-31274-00128, 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.3 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.4 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.5 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.6 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.7 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.8 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.9 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 April 15 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.10 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.11 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:

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

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

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

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

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

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

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

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

(C) Corrective actions taken.

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

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

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

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F019-31274-00128 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.14 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.15 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.16 Permit Renewal [326 IAC 2-8-3(h)]

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

Request for renewal shall be submitted to:

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

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

B.17 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.18 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
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(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.19 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.20 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.21 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.22 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.23 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) and greenhouse gases (GHGs), 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.
- (4) The potential to emit greenhouse gases (GHGs) from the entire source shall be limited to less than one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) 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 thirty percent (30%) 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 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 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.9 Performance Testing [326 IAC 3-6]

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 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.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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

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

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

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

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

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

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

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 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.15 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.16 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.17 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:
 - (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:
 - (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.18 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.19 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) One (1) large mixing tank system, consisting of:
- (1) One (1) mixing tank, identified as DT01, constructed in 2008, with a maximum capacity of 6,000 liters and a maximum production rate of 131.5 gallons per hour. The mixing tank DT01 vents to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (2) Two (2) mixing tanks, identified as DT02 and DT03, constructed in 2008, each with a maximum capacity of 4,000 liters and a maximum production rate of 87.7 gallons per hour. The mixing tanks DT02 and DT03 vent to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (3) One (1) packaging and filling line exhausting through EF-3.
- (b) One (1) small mixing tank system, consisting of:
- (1) Six (6) small mixing tanks, identified as FM01 through FM06, constructed in 2008, each with a maximum capacity of 1,300 liters and each with a maximum production rate of 42.8 gallons per hour. The mixing tanks FM01 through FM06 vent through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (2) Two (2) small mixing tanks, identified as BM01 and BM02, constructed in 2008, each with a maximum capacity of 25 gallons and each with a maximum production rate of 6.25 gallons per hour. The mixing tanks BM01 and BM02 vent through cartridge cleaner DC-1 while solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (3) One (1) packaging and filling line exhausting through EF-4.

This is an affected source under NESHAP Subpart CCCCCC.

(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 FESOP Emissions Limitations and PSD Minor Limit [326 IAC 2-8] [326 IAC 2-2] [326 IAC 8-7]

Pursuant to 326 IAC 2-8-4, the Permittee shall comply with the following:

- (a) The total VOC input to the mixing tanks (DT01, DT02, DT03, FM01 through FM06, and BM01 and BM02) and their associated clean-up activities shall be limited such that the potential to emit (PTE) VOC does not exceed 88.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The VOC loss rate for the paint production operations shall not exceed 0.015 lb/lb of solvent used. The VOC loss rates include emissions from the packaging and filling lines.

Compliance with this VOC input limit and VOC loss rate, combined with the VOC limits from other emissions units at the source shall render the requirements of 326 IAC 2-7 (Part 70 Program), 326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark, and Floyd Counties) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) not applicable.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

In order to render 326 IAC 8-1-6 not applicable, the Permittee shall comply with the following:

- (a) The VOC input to DT01 shall be limited such that the VOC emissions from DT01 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The VOC input to DT02 shall be limited such that the VOC emissions from DT02 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) The VOC input to DT03 shall be limited such that the VOC emissions from DT03 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (d) The VOC loss rate for the paint production operations for mixing tanks DT01, DT02, and DT03 shall not exceed 0.015 lb/lb of solvent used. The VOC loss rate includes emissions from the packaging and filling lines.

Compliance with these VOC emission limits shall limit the VOC emissions from DT01, DT02, and DT03 to less than twenty-five (25) tons per twelve (12) consecutive month period, each. Therefore the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) are not applicable to DT01, DT02, or DT03.

D.1.3 Particulate Matter [326 IAC 6.5]

Pursuant to 326 IAC 6.5-1-2(a), the paint mixers, all controlled by baghouse DC-1, are limited as follows:

Control (ID)	Mixer Tank Unit (ID)	326 IAC 6.5 PM Limit (gr/dscf)
DC-1	DT01	0.03
	DT02	
	DT03	
	FM01	
	FM02	
	FM03	
	FM04	
	FM05	
	FM06	
	BM01	
	BM02	

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for the mixing tanks and their control device. 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) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

- (a) Compliance with the VOC content and input limitations contained in Conditions D.1.1 and D.1.2 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.
- (b) Compliance with Conditions D.1.1 and D.1.2 shall be determined using the following equation:

$$E = \sum_{i=1}^{i=n} U_i \times 0.015 + M_i \times C_i$$

where:

- E = VOC emissions in pounds
i = Single material
U = Usage of VOC in pounds
M = Usage of VOC containing cleanup material in pounds
C = VOC content in pound of VOC per pound of cleanup material

D.1.6 Particulate Control

- (a) In order to comply with Condition D.1.3, the individual mixing tanks (identified as DT01, DT02, DT03, FM01 through FM06, BM01, and BM02) shall be controlled by the cartridge cleaner DC-1 while solid materials are being dumped or loaded into that tank.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.1.7 Visible Emissions Notations

- (a) Daily visible emission notations of the mixing operation stack exhausts (DC-1) shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation

with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.8 Broken or Failed Bag Detection

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.1.9 Record Keeping Requirement

- (a) To document the compliance status with Conditions D.1.1 and D.1.2, the Permittee shall maintain records 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 VOC input limits and/or the VOC emission limits established in Conditions D.1.1 and D.1.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (3) The cleanup solvent usage for each month;
 - (4) The total VOC input for each month; and
 - (5) The input of VOCs for each compliance period.
- (b) To document the compliance status with Condition D.1.7, the Permittee shall maintain records of daily visible emission notations of the mixing operation stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.10 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1 and D.1.2 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no 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:

Insignificant Activities:

(a) One (1) quality control center, consisting of:

- (1) One (1) manual spray booth simulator, identified as SB-1, constructed in 2008, with a maximum capacity of 0.76 gallons per hour (2.876 liters per hour), coating color cards, glass panels, and/or small wood pieces for quality control procedures and not for final sale, using dry filters as control, and exhausting to stack SB-1. The booth uses a high volume low pressure (HVLP) spray applicator.
- (2) One (1) continuous line spray booth simulator, identified as SM-1, constructed in 2008, with a maximum capacity of 1.89 gallons per hour (7.15 liters per hour), coating color cards, glass panels, and/or small wood pieces for quality control procedures and not for final sale, using dry filters as control, and exhausting to stack SM-1. The booth uses a high volume low pressure (HVLP) spray applicator.

Note: The quality control center booths SB-1 and SM-1 meet the definition of "insignificant laboratory activities" as specified in 326 IAC 2-7-1(21)(H).

(b) One (1) customer demonstration center, consisting of:

- (1) One (1) manual spray booth simulator identified as SB-2, constructed in 2009, with a maximum capacity of 1.50 gallons per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, using dry filters as control, and exhausting to stack SB-2. The booth uses a high volume low pressure (HVLP) spray applicator.
- (2) One (1) continuous line spray booth simulator, identified as SM-2, constructed in 2009, with a maximum capacity of 0.50 gallons per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, and exhausting to stack SM-2. The booth uses a high volume low pressure (HVLP) spray applicator.
- (3) Two (2) Giardina roller coaters, constructed in 2009, with a maximum capacity of 1 gallon per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, each, with 100% transfer efficiency, exhausting through stack SM-1.

Note: The customer demonstration center booths SB-2 and SM-2 and the roller coaters meet the definition of "insignificant research and development activities" as specified in 326 IAC 2-7-1(21)(I).

(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 Particulate Matter (PM) [326 IAC 6.5]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the continuous line spray booth simulators (identified as SB-1, SM-1, SB-2, and SM-2) shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

Compliance Determination Requirements

D.2.2 Particulate Control

In order to comply with Condition D.2.1, the dry filters for PM control shall be in operation and control emissions from the spray booths at all times that the spray booths are in operation.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Insignificant Activities

- (b) One (1) customer demonstration center that includes:
 - (4) One (1) wood, plastic, and metal substrate sander meeting the definition of "insignificant grinding and machining operation" specified in 326 IAC 2-7-1(21)(K)(xxiii), constructed in 2008, using cartridge cleaner DC-2 as control and exhausting indoors.

(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.3.1 Baghouse Limitations [326 IAC 2-7-1(21)(K)(xxiii)]

The grinding and machining operations controlled by a baghouse shall be an insignificant activity for permitting purposes provided that the baghouse operations meet the requirements of 326 IAC 2-7-1(21)(K)(xxiii), including the following:

The grinding and machining cartridge cleaner (DC-2) shall not exhaust to the atmosphere greater than four thousand (4,000) cubic feet of air per minute and shall not emit particulate matter with a diameter less than ten (10) microns in excess of three one-hundredths (0.03) grain per dry standard cubic foot of outlet air (gr/dscf).

Compliance Determination Requirements

D.3.2 Particulate Control [326 IAC 2-7-1(21)(K)(xxiii)]

- (a) In order to comply with Condition D.2.1, the cartridge cleaner DC-2 for particulate control shall be in operation and control emissions from the grinding and machining at all times that the grinding and machining are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.3.3 Broken or Failed Bag Detection

- (a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) large mixing tank system, consisting of:
 - (1) One (1) mixing tank, identified as DT01, constructed in 2008, with a maximum capacity of 6,000 liters and a maximum production rate of 131.5 gallons per hour. The mixing tank DT01 vents to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (2) Two (2) mixing tanks, identified as DT02 and DT03, constructed in 2008, each with a maximum capacity of 4,000 liters and a maximum production rate of 87.7 gallons per hour. The mixing tanks DT02 and DT03 vent to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (3) One (1) packaging and filling line exhausting through EF-3.
- (b) One (1) small mixing tank system, consisting of:
 - (1) Six (6) small mixing tanks, identified as FM01 through FM06, constructed in 2008, each with a maximum capacity of 1,300 liters and each with a maximum production rate of 42.8 gallons per hour. The mixing tanks FM01 through FM06 vent through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (2) Two (2) small mixing tanks, identified as BM01 and BM02, constructed in 2008, each with a maximum capacity of 25 gallons and each with a maximum production rate of 6.25 gallons per hour. The mixing tanks BM01 and BM02 vent through cartridge cleaner DC-1 while solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (3) One (1) packaging and filling line exhausting through EF-4.

This is an affected source under NESHAP Subpart CCCCCC.

(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)]

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 Part 63, Subpart A]

- (a) Pursuant to 40 CFR 63.11169, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for the National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing except as otherwise specified in 40 CFR Part 63, Subpart CCCCCC.
- (b) Pursuant to 40 CFR 60.10, 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

E.1.2 National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing NESHAP [40 CFR Part 63, Subpart CCCCCC]

The Permittee which engages in operation of paint manufacturing at an area sources shall comply with the following provisions of 40 CFR Part 63, Subpart CCCCCC (included as Attachment A of this permit) with a compliance date of December 3, 2012:

- (a) 40 CFR 63.11599 (a), (b)
- (b) 40 CFR 63.11600 (a)
- (c) 40 CFR 63.11601
- (d) 40 CFR 63.11602
- (e) 40 CFR 63.11603
- (f) 40 CFR 63.11605
- (g) 40 CFR 63.11607
- (h) Table 1 to Subpart CCCCCC

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Sherwin-Williams Company
Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
FESOP Permit No.: F019-31274-00128

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: Sherwin-Williams Company
Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
FESOP Permit No.: F019-31274-00128

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <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: Sherwin-Williams Company
 Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
 FESOP Permit No.: F019-31274-00128
 Facility: Mixing tanks (DT01, DT02, DT03, FM01 through FM06, BM01, and BM02) and their associated clean-up activities

Parameter: VOC input
 Limit: Condition D.1.1: Total VOC input shall be limited such that the potential to emit (PTE) does not exceed 88.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month, based on the following equation:

$$E = \sum_{i=1}^{i=n} U_i \times 0.015 + M_i \times C_i$$

where:

- E = VOC emissions in pounds
- i = Single material
- U = Usage of VOC in pounds
- M = Usage of VOC containing cleanup material in pounds
- C = VOC content in pound of VOC per pound of cleanup material

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
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: Sherwin-Williams Company
 Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
 FESOP Permit No.: F019-31274-00128
 Facility: Mixing tank DT01
 Parameter: VOC input
 Limit: Condition D.1.2(a): The VOC input to DT01 shall be limited such that the VOC emissions from DT01 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

$$E = \sum_{i=1}^{i=n} U_i \times 0.015 + M_i \times C_i$$

where:

- E = VOC emissions in pounds
- i = Single material
- U = Usage of VOC in pounds
- M = Usage of VOC containing cleanup material in pounds
- C = VOC content in pound of VOC per pound of cleanup material

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
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: Sherwin-Williams Company
 Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
 FESOP Permit No.: F019-31274-00128
 Facility: Mixing tank DT02
 Parameter: VOC input
 Limit: Condition D.1.2(b): The VOC input to DT02 shall be limited such that the VOC emissions from DT01 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

$$E = \sum_{i=1}^{i=n} U_i \times 0.015 + M_i \times C_i$$

where:

- E = VOC emissions in pounds
- i = Single material
- U = Usage of VOC in pounds
- M = Usage of VOC containing cleanup material in pounds
- C = VOC content in pound of VOC per pound of cleanup material

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
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: Sherwin-Williams Company
 Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
 FESOP Permit No.: F019-31274-00128
 Facility: Mixing tank DT03
 Parameter: VOC input
 Limit: Condition D.1.2(c): The VOC input to DT03 shall be limited such that the VOC emissions from DT01 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

$$E = \sum_{i=1}^{i=n} U_i \times 0.015 + M_i \times C_i$$

where:

- E = VOC emissions in pounds
- i = Single material
- U = Usage of VOC in pounds
- M = Usage of VOC containing cleanup material in pounds
- C = VOC content in pound of VOC per pound of cleanup material

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month (tons)	Previous 11 Months (tons)	12 Month Total (tons)
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: Sherwin-Williams Company
 Source Address: 4730 New Middle Rd., Jeffersonville, Indiana 47130
 FESOP Permit No.: F019-31274-00128

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

<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: _____

**Federally Enforceable State Operating Permit Renewal
OFFICE OF AIR QUALITY**

**Sherwin-Williams Company
Jeffersonville, Indiana**

Attachment A

Title 40: Protection of Environment

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

**Subpart CCCCCC (7C)
National Emission Standards for Hazardous Air Pollutants for Area
Sources: Paints and Allied Products Manufacturing**

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 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.

Citation	Subject	Applies to subpart CCCCCC
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	No.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a
Federally Enforceable State Operating Permit Renewal

Source Background and Description
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Source Name:	Sherwin-Williams Company
Source Location:	4730 New Middle Rd., Jeffersonville, IN 47130
County:	Clark
SIC Code:	2851 (Paints and Allied Products)
Permit Renewal No.:	F019-31274-00128
Permit Reviewer:	Sarah Street

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application relating to the continued operation of a stationary plant that manufactures specialty coatings. On December 16, 2011, Sherwin-Williams Company submitted an application to the OAQ requesting to renew its operating permit. Sherwin-Williams Company was issued a FESOP F019-24987-00128 on September 26, 2007.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) large mixing tank system, consisting of:
 - (1) One (1) mixing tank, identified as DT01, constructed in 2008, with a maximum capacity of 6,000 liters and a maximum production rate of 131.5 gallons per hour. The mixing tank DT01 vents to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (2) Two (2) mixing tanks, identified as DT02 and DT03, constructed in 2008, each with a maximum capacity of 4,000 liters and a maximum production rate of 87.7 gallons per hour. The mixing tanks DT02 and DT03 vent to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (3) One (1) packaging and filling line exhausting through EF-3.
- (b) One (1) small mixing tank system, consisting of:
 - (1) Six (6) small mixing tanks, identified as FM01 through FM06, constructed in 2008, each with a maximum capacity of 1,300 liters and each with a maximum production rate of 42.8 gallons per hour. The mixing tanks FM01 through FM06 vent through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (2) Two (2) small mixing tanks, identified as BM01 and BM02, constructed in 2008, each with a maximum capacity of 25 gallons and each with a maximum

production rate of 6.25 gallons per hour. The mixing tanks BM01 and BM02 vent through cartridge cleaner DC-1 while solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.

- (3) One (1) packaging and filling line exhausting through EF-4.

This is an affected source under NESHAP Subpart CCCCCC.

Note: The two small mixing tanks BM01 and BM02 were not previously listed in the source's operating permit. The potential to emit (PTE) of PM/PM10/PM2.5 from BM01 and BM02 is 0.6 tons per year, each. The potential to emit (PTE) of VOC from BM01 and BM02 is 3.7 tons per year, each. The addition of these units to the permit would have been considered an administrative amendment to the FESOP, pursuant to 326 IAC 2-8-10(a)(14). The addition of these units will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3. Pursuant to 326 IAC 2-8-11.1(e)(2) and 326 IAC 2-8-11.1(f)(2)(C), the source would only have needed prior approval to construct and operate BM01 and BM02 if the modification would require a minor permit revision or significant permit revision. Therefore, BM01 and BM02 will be incorporated into this permit renewal.

Note: The maximum paint production at the source (for mixing tanks DT-01, DT-02, DT-03, FM-01, FM-02, FM-03, FM-04, FM-05, FM-06, BM-01, and BM-02) is 5,047,512 gallons of paint per year. DC-1 is a common control to all of the mixing tanks.

Insignificant Activities

This stationary source also includes the following insignificant activities:

- (a) One (1) quality control center, consisting of:
- (1) One (1) manual spray booth simulator, identified as SB-1, constructed in 2008, with a maximum capacity of 0.76 gallons per hour (2.876 liters per hour), coating color cards, glass panels, and/or small wood pieces for quality control procedures and not for final sale, using dry filters as control, and exhausting to stack SB-1. The booth uses a high volume low pressure (HVLP) spray applicator.
 - (2) One (1) continuous line spray booth simulator, identified as SM-1, constructed in 2008, with a maximum capacity of 1.89 gallons per hour (7.15 liters per hour), coating color cards, glass panels, and/or small wood pieces for quality control procedures and not for final sale, using dry filters as control, and exhausting to stack SM-1. The booth uses a high volume low pressure (HVLP) spray applicator.

Note: The quality control center booths SB-1 and SM-1 meet the definition of "insignificant laboratory activities" as specified in 326 IAC 2-7-1(21)(H).

- (b) One (1) customer demonstration center, consisting of:
- (1) One (1) manual spray booth simulator identified as SB-2, constructed in 2009, with a maximum capacity of 1.50 gallons per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, using dry filters as control, and exhausting to stack SB-2. The booth uses a high volume low pressure (HVLP) spray applicator.

(2) One (1) continuous line spray booth simulator, identified as SM-2, constructed in 2009, with a maximum capacity of 0.50 gallons per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, and exhausting to stack SM-2. The booth uses a high volume low pressure (HVLP) spray applicator.

(3) Two (2) Giardina roller coaters, constructed in 2009, with a maximum capacity of 1 gallon per hour, coating glass panels and/or small wood demonstration pieces for customer demonstration and not as a product or for final sale, each, with 100% transfer efficiency, exhausting through stack SM-1.

Note: The customer demonstration center booths SB-2 and SM-2 and the roller coaters meet the definition of "insignificant research and development activities" as specified in 326 IAC 2-7-1(21)(l).

(4) One (1) wood, plastic, and metal substrate sander meeting the definition of "insignificant grinding and machining operation" specified in 326 IAC 2-7-1(21)(K)(xxiii), constructed in 2008, using cartridge cleaner DC-2 as control and exhausting indoors.

(c) Natural gas-fired space heaters, identified as EU3 and EU4, constructed in 2008, with a combined heat input capacity of 0.38 MMBtu/hr.

(d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(e) Nine (9) general exhausts, identified as EF-1, EF-4, EF-5, EF-7, EF-9, EF-10, EF-12, EF-14, and EF-20.

Existing Approvals

Since the issuance of the FESOP F019-24987-00128 on September 26, 2007, the source has constructed or has been operating under the following additional approvals:

(a) Minor Permit Revision No. F019-27928-00128 issued on June 3, 2009; and

(b) Administrative Amendment No. F019-30193-00128 issued on March 18, 2011.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Clark County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Attainment effective October 23, 2001, for the 1-hour ozone standard for the Louisville area, including Clark County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standard (NAAQS) for purposes of 40 CFR Part 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Clark 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}**
 Clark County has been classified as nonattainment for PM_{2.5} in 70 FR 943 dated January 5, 2005. On May 8, 2008, U.S. EPA promulgated specific New Source Review rules for PM_{2.5} emissions. These rules became effective on July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
 Clark County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

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

Although the source has an SIC code of 2851, IDEM does not consider this source to have a chemical process, because there are no chemical synthesis or chemical reactions occurring in the processes. The source mixes pigments and solvents to manufacture paints; therefore, this stationary source is not one of the 28 listed source categories. This determination was made in Technical Support Document (TSD) for a New Source Construction and Federally Enforceable State Operating (FESOP) No. F019-24987-00128, issued September 26, 2007.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	Greater than 100, Less than 250
PM ₁₀	Greater than 100, Less than 250
PM _{2.5}	Greater than 100, Less than 250
SO ₂	Less than 100
VOC	Greater than 250
CO	Less than 100
NO _x	Less than 100
GHGs as CO ₂ e	Less than 100,000
Single HAP	Less than 10
Total HAPs	Less than 25

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

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM, PM₁₀, PM_{2.5} and VOC is equal to or greater than 100 tons per year. However, the Permittee has agreed to limit the source's PM, PM₁₀, PM_{2.5} and VOC emissions to less than Title V levels, therefore the Permittee will be issued a FESOP Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of SO₂, CO, and NO_x is less than 100 tons per year each.
- (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 emissions (CO₂e) per year.
- (d) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year.

Potential to Emit After Issuance

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)									
	PM	PM ₁₀ [*]	PM _{2.5} ^{**}	SO ₂	NO _x	VOC	CO	GHGs	Total HAPs	Worst Single HAP
Product Blending ⁽¹⁾	5.96	20.69	20.69	-	-	88.0	-	-	1.53	1.11
Surface Coating ⁽²⁾	0.35	0.35	0.35	-	-	11.36	-	-	1.17	1.17
Grinding and Machining ⁽³⁾	4.51	4.51	4.51	-	-	-	-	-	-	-
Combustion	0.003	0.013	0.013	0.001	0.166	0.009	0.140	201	0.003	0.003
Total PTE of Entire Source	10.82	25.56	25.56	0.00	0.17	99.37	0.14	201	2.70	2.28
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000 CO ₂ e	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	100,000 CO ₂ e	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA	NA

*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
 **PM_{2.5} listed is direct PM_{2.5}.
 (1) The Product Blending PM Limits reflect 326 IAC 6.5 Allowable PM Limits. PM10 and PM2.5 are unlimited. The VOC PTE reflects the FESOP production limit as follows: The total VOC input to the mixing tanks shall be limited such that the PTE does not exceed 88.0 tons per twelve (12) consecutive month period
 (2) PM, PM10, PM2.5 emissions reflect PTE after control. The control device is required to operate while the surface coating operations are in operation.
 (3) The insignificant grinding and machining operation shall not exhaust to the atmosphere greater than 4,000 cf/min and shall not emit PM10 in excess of 0.03 grain per dry standard cubic foot of air

(a) FESOP Status

This existing source is not a Title V major stationary source, because the potential to emit criteria pollutants from the entire source will be limited to less than the Title V major source threshold levels. In addition, this existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the potential to emit HAPs is less than ten (10) tons per year for a single HAP and twenty-five (25) tons per year of total HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act and is subject to the provisions of 326 IAC 2-8 (FESOP).

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

(1) Volatile Organic Compounds (VOC) Limits - Paint Mixing Processes

The total VOC input to the mixing tanks (DT01, DT02, DT03, FM01 through FM06, and BM01 and BM02) and their associated clean-up activities shall be limited such that the potential to emit (PTE) does not exceed 88.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. The VOC loss rate for the paint production operations shall not exceed 0.015 lb/lb of solvent used. The VOC loss rate includes emissions from the packaging and filling lines.

Note: the 0.015 lb/lb emission rate is equivalent to 30 lb/ton, which is the emission factor established in AP-42 for Organic Process Industry, Paint and Varnish.

Compliance with these limits, combined with the potential to emit VOC from all other emission units at this source and the VOC limits for surface coating, shall limit the source-wide total potential to emit of VOCs to less than 100 tons per 12 consecutive

month period and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

Note: This is an existing requirement.

- (2) **Particulate Limits - Grinding and Machining**
Pursuant to 326 IAC 2-7-1(21)(K)(xxiii), the grinding and machining controlled by baghouse (identified as DC-2) shall be considered insignificant grinding and machining provided the baghouse has an outlet grain loading of less than or equal to three one-hundredths (0.03) grain per dry standard cubic feet of outlet air (gr/dscf) and the gas flow rate from the baghouse does not exceed four thousand (4,000) actual cubic feet per minute. The baghouse (DC-2) must be in operation at all times that the grinding and machining equipment is in use.

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, and shall render 326 IAC 2-7 (Part 70 Permits), 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (Nonattainment New Source Review) not applicable.

(b) **PSD Minor Source**

- (1) This existing stationary source is minor for PSD because the uncontrolled potential emissions of PM and PM10 are each less than two hundred fifty 250 tons per year, and it is not in one of the twenty-eight (28) listed source categories.
- (2) In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the FESOP (326 IAC 2-8) limits for VOCs outlined above in the FESOP Applicability section.

Note: PSD Minor Limits were not included in prior permit approvals. These are new requirements and these changes include Title I changes.

Compliance with these limits, combined with the potential to emit from all other emission units at the source, shall limit the source-wide total potential to emit VOCs to less than 100 tons per 12 consecutive month period and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) **Emission Offset Minor Source**

This existing source is not a major stationary source, under 326 IAC 2-1.1-5 (Nonattainment New Source Review), because the potential to emit particulate matter with a diameter less than ten 2.5 micrometers (PM2.5), is limited to less than 100 tons per year (see FESOP PM2.5 limits above). Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment New Source Review requirements do not apply.

Federal Rule Applicability

Compliance Assurance Monitoring (CAM)

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

New Source Performance Standards (NSPS)

- (b) The requirements of the New Source Performance Standards for Surface Coating of Metal Furniture (40 CFR 60, Subpart EE) are not included in this permit renewal because the source does perform surface coating of metal furniture. Therefore, the requirements of 40 CFR 60, Subpart EE do not apply.
- (c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit renewal for this source.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63, Subpart MMMM) are not included in this permit renewal because this source, consisting of a paint manufacturing operation with surface coating at a quality control center and at a customer demonstration center, is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products (40 CFR 63, Subpart PPPP) are not included in this permit renewal because this source, consisting of a paint manufacturing operation with surface coating at a quality control center and at a customer demonstration center, is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Wood Building Products (40 CFR 63, Subpart QQQQ) are not included in this permit renewal because this source, consisting of a paint manufacturing operation with surface coating at a quality control center and at a customer demonstration center, is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources (40 CFR 63, Subpart HHHHHH) are not included in this permit renewal. Pursuant to 40 CFR 63.11169(5), the requirements of NESHAP Subpart HHHHHH are not applicable to surface coating or paint stripping that meets the definition of "research and laboratory activities" in 40 CFR 63.11180, or surface coating or paint stripping that meets the definition of "quality control activities" in 40 CFR 63.11180. Pursuant to 40 CFR 63.11169(5), the customer demonstration center (consisting of SB-2 and SM-2 and roller coaters) and the quality control center (consisting of SB-1 and SM-1) meet the above definition of "quality control activities" and are not subject to NESHAP Subpart HHHHHH.
- (h) This source is subject to the National Emission Standards for Hazardous Air Pollutants for Area Sources: Paints and Allied Products Manufacturing (40 CFR 63, Subpart CCCCCC (7C)), because this source is an area source paint and allied products manufacturing facilities that process, use, or generates chromium, which is one of the target HAPs, as defined in 40 CFR 63.11607.

The facilities subject to this rule include the following:

- (a) One (1) large mixing tank system, consisting of:

- (1) One (1) mixing tank, identified as DT01, constructed in 2008, with a maximum capacity of 6,000 liters and a maximum production rate of 131.5 gallons per hour. The mixing tank DT01 vents to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (2) Two (2) mixing tanks, identified as DT02 and DT03, constructed in 2008, each with a maximum capacity of 4,000 liters and a maximum production rate of 87.7 gallons per hour. The mixing tanks DT02 and DT03 vent to the atmosphere through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the cartridge cleaner is bypassed and the tanks vent to the atmosphere through EF-6.
 - (3) One (1) packaging and filling line exhausting through EF-3.
- (b) One (1) small mixing tank system, consisting of:
- (1) Six (6) small mixing tanks, identified as FM01 through FM06, constructed in 2008, each with a maximum capacity of 1,300 liters and each with a maximum production rate of 42.8 gallons per hour. The mixing tanks FM01 through FM06 vent through cartridge cleaner DC-1 while the solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (2) Two (2) small mixing tanks, identified as BM01 and BM02, constructed in 2008, each with a maximum capacity of 25 gallons and each with a maximum production rate of 6.25 gallons per hour. The mixing tanks BM01 and BM02 vent through cartridge cleaner DC-1 while solid materials are being dumped or loaded. During the mixing process the tanks vent to the atmosphere through EF-2.
 - (3) One (1) packaging and filling line exhausting through EF-4.

Applicable portions of the NESHAP are the following:

- (1) 40 CFR 63.11599 (a), (b)
- (2) 40 CFR 63.11600 (a)
- (3) 40 CFR 63.11601
- (4) 40 CFR 63.11602
- (5) 40 CFR 63.11603
- (6) 40 CFR 63.11605
- (7) 40 CFR 63.11607
- (8) Table 1 to Subpart CCCCCC

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

Note: This is a new requirement. This is a Title I change.

- (i) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

State Rule Applicability - Entire Source

The following state rules are applicable to the source:

- (a) 326 IAC 2-8-4 (FESOP)
FESOP applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
PSD applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (c) 326 IAC 2-3 (Emission Offset)
Emission Offset applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (d) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
This source is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the source is 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.
- (e) 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.
- (f) 326 IAC 5-1 (Opacity Limitations)
This source is located in Jeffersonville Township in Clark County. 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 thirty percent (30%) 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.
- (g) 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.
- (h) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
This source is located in Jeffersonville Township of Clark County, but does not have potential fugitive particulate matter emissions of twenty-five (25) tons per year or more. Therefore, this source is not subject to the requirements of 326 IAC 6-5 Fugitive Particulate Matter Emission Limitations).

State Rule Applicability – Individual Facilities

Mixing Tanks, Packaging and Filling Lines

- (a) 326 IAC 6.5 (Particulate Emission Limitations Except Lake County)
 This source, located in Clark County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10. However, the source has potential particulate emissions greater than 100 tons per year and actual emissions of 10 tons per year or more; therefore, pursuant to 326 IAC 6.5-1-2(a), the paint mixers, all controlled by baghouse DC-1, are limited as follows:

Control (ID)	Mixer Tank Unit (ID)	Outlet Air Flow Rate (acfm)	326 IAC 6.5 PM Limit (gr/dscf)	PM Emission Limit (lb/hr)	PM Emission Limit (ton/yr)
DC-1	DT01	5,290	0.03	1.36	5.96
	DT02				
	DT03				
	FM01				
	FM02				
	FM03				
	FM04				
	FM05				
	FM06				
	BM01				
BM02					

Where:

$$\text{PM Limit (ton/yr)} = \text{Outlet Air Flow Rate (acfm)} \times \text{PM Loading Limit (gr/dscf)} \times 1 \text{ lb/7,000 grains} \times 60 \text{ min/1 hr} \times 1 \text{ ton/2,000 lbs} \times 8,760 \text{ hrs/yr}$$

In order to comply with this limit, individual mixing tanks shall vent to the atmosphere through baghouse DC-1 while solid materials are being dumped or loaded into that tank. The control device shall be operated in accordance with manufacturer's specifications.

Emission calculations (see Appendix A) show that each mixing unit will be able to comply with this rule.

Note: 326 IAC 6.5 Limits were not included in prior permit approvals. These are new requirements and these changes include Title I changes.

- (b) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
 The paint mixing facilities (identified as DT01, DT02, DT03, FM01 through FM06, BM01, and BM02) are subject to the more stringent particulate emission requirements in 326 IAC 6.5 (Particulate Emission Limitations Except Lake County), and are therefore not subject to the requirements of this rule.
- (c) 326 IAC 8-1-6 (General Reduction Requirements; BACT)
 Provisions of 326 IAC 8-1-6 apply to facilities located in any county constructed after January 1, 1980, which are not otherwise regulated by any other provisions of 326 IAC 8, and have potential emissions of twenty-five (25) tons per year.
- (1) The potential VOC emissions from the mixing tanks identified as DT01, DT02, and DT03 are each greater than 25 tons per year. The source will comply with the limits below in order to render the requirements of 326 IAC 8-1-6 not applicable:

- (i) The VOC input to DT01 shall be limited such that the VOC emissions from DT01 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (ii) The VOC input to DT02 shall be limited such that the VOC emissions from DT02 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (iii) The VOC input to DT03 shall be limited such that the VOC emissions from DT03 shall not exceed 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (iv) The VOC loss rate for the paint production operations for mixing tanks DT01, DT02, and DT03 shall not exceed 0.015 lb/lb of solvent used. The VOC loss rate includes emissions from the packaging and filling lines.

Compliance with these VOC emission limits shall limit the VOC emissions from DT01, DT02, and DT03, to less than twenty-five (25) tons per twelve (12) consecutive month period, each. Therefore the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) are not applicable to DT01, DT02, and DT03.

Note: These emission limitations are new additions to this permit renewal, even though worst-case emissions calculations at the source have always shown PTE of VOC to be greater than 25 tons per year for mixers DT01, DT02, and DT03. These changes include Title I changes.

- (2) The potential VOC emissions from the mixing tanks, identified as FM01 through FM06, BM01, and BM02, are each less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 do not apply to these mixing tanks.
- (d) 326 IAC 8-6 (Organic Solvent Emission Limitations)
This rule applies to sources with potential VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. This source does has potential VOC emissions greater than 100 tons per year, but compliance with the 326 IAC 2-8 federally enforceable limits will limit the entire source's VOC emissions to less than 100 tons per year, and the source is also subject to the requirements of 326 IAC 8-1-6 (General Reduction Requirements).
- (e) 326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark, and Floyd Counties)
This rule applies to stationary sources located in Clark County that have the potential to emit VOC at levels equal to or greater than one hundred (100) tons per year. The potential VOC emissions from the mixing tanks (identified as DT01, DT02, DT03, FM01 through FM06, BM01, and BM02) are greater than one hundred (100) tons per year. Compliance with the 326 IAC 2-8 federally enforceable limits (continued in this permit renewal) will limit the entire source's VOC emissions to less than 100 tons per year. Therefore, the requirements of this rule do not apply. See PTE of the Entire Source After Issuance of the FESOP section above.

Surface Coating

- (f) 326 IAC 6.5 (Particulate Emission Limitations Except Lake County)
This source, located in Clark County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10; however the source-wide unrestricted potential to emit particulate matter is greater than 100 tons per year and actual emissions are greater than 10 tons per year; therefore, rule 326 IAC 6.5 is applicable. Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) emissions from the continuous line spray booth simulators (identified as SB-1, SM-1, SB-2, and SM-2) shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

Note: 326 IAC 6.5 Limits were not included in prior permit approvals. These are new requirements and these changes include Title I changes.

- (g) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
The requirements of 326 IAC 6-3-2 are not applicable to the continuous line spray booth simulators (SM-1, SM-2, SB-1, and SB-2) because each unit is subject to a more stringent particulate matter limit under 326 IAC 6.5 (Particulate Matter Limitations Except Lake County). These emission units will be able to comply with the limits designated in 326 IAC 6.5.

Note: The two (2) roller coaters are specifically exempt from the requirements of 326 IAC 6-3, pursuant to 326 IAC 6-3-1(b)(6).

- (h) 326 IAC 8-1-6 (General Reduction Requirements)
Provisions of 326 IAC 8-1-6 apply to facilities located in any county constructed after January 1, 1980, which are not otherwise regulated by any other provisions of 326 IAC 8, and have potential emissions of twenty-five (25) tons per year. The continuous line spray booth simulators (SM-1, SM-2, SB-1, and SB-2) and the 2 roller coaters are not subject to this rule because the potential to emit VOC emissions from each unit are less than 25 tons per year.

- (i) 326 IAC 8-2 (Surface Coating Emissions Limitations)
This rule applies to stationary sources which commence construction after July 1, 1990 and conduct surface coating to wood, plastic, and metal. The potential to emit of the surface coating activities is greater than 15 pounds per day before add-on controls (see Appendix A to TSD - Emissions Calculations). Prior permit approvals for this source have included a 15 pound per day VOC limit for the surface coating operations; however, the surface coating activities at the source are not subject to the requirements of this rule.

The surface coating activities at the quality control center and the customer demonstration center are considered insignificant activities, and coat color cards, glass panels and wood pieces for the purposes of quality control and customer demonstration only. These pieces are not coated as a final product for sale. While the insignificant activities are not specifically exempted from the 326 IAC 8 (VOC) rules, the surface coating activities are not subject to any of the activities regulated by 326 IAC 8-2 (Surface Coating Emissions Limitations) such as miscellaneous metal coating operations (326 IAC 8-2-9), flat wood panels manufacturing (326 IAC 8-2-10), or wood furniture and cabinet coating (326 IAC 8-2-12).

- (j) 326 IAC 8-7 (Specific VOC reduction Requirements for Lake, Porter, Clark, and Floyd Counties)
This rule applies to stationary sources located in Clark County that have the potential to emit VOC at levels equal to or greater than one hundred (100) tons per year. This rule also applies to sources that have coating facilities which emit or have the potential to emit a total equal to or greater than ten (10) tons per year of VOCs in Floyd, Clark, Lake, or Porter Counties. Since each surface coating facility at the source has the potential to emit (PTE) of less than 10 tons per year of VOCs (see Appendix A to TSD - Emissions Calculations), and, further, compliance with the 326 IAC 2-8 federally enforceable limits (continued in this permit renewal) will limit the entire source's VOC emissions to less than 100 tons per year, the requirements of this rule do not apply. See PTE of the Entire Source After Issuance of the FESOP section above.

- (k) 326 IAC 8-11 (Wood Furniture Coatings)
While the quality control center and customer demonstration center coating booths are used to coat wood demonstration pieces, the source is not subject to the requirements of 326 IAC 8-11 for Wood Furniture Coatings. Pursuant to 326 IAC 8-11-1(1) and (2), this source is not a wood furniture manufacturing operation with potential VOC emissions of 25 tons or more per year and is not one of the sources specifically listed by SIC code. Therefore, the requirements of this rule do not apply.

- (l) 326 IAC 8 (Volatile Organic Compounds)
There are no 326 IAC 8 rules that apply to the customer demonstration and quality control center surface coating activities.

Natural Gas-Fired Space Heaters

- (m) 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
The natural gas-fired space heaters (EU3 and EU4) do not meet the definition of an indirect heating unit. Therefore, 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating) does not apply.
- (n) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Natural gas-fired space heaters (EU3 and EU4) are not specifically identified in 326 IAC 6-3-2(b) through (d). Pursuant to 326 IAC 1-2-59, liquid and gaseous fuels will not be considered as part of the process weight rate; therefore, the space heaters are not subject to 326 IAC 6-3-2(e).
- (o) 326 IAC 6.5 (Particulate Emission Limitations Except Lake County)
This source, located in Clark County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10; however the source-wide unrestricted potential to emit particulate matter is greater than 100 tons per year and actual emissions greater than 10 tons per year; therefore, rule 326 IAC 6.5 is applicable. Pursuant to 326 IAC 6.5-1-1 (b), particulate limitations shall not be established for combustion units that burn only natural gas at sources or facilities identified in 326 IAC 6.5-2 through 326 IAC 6.5-10, as long as the units continue to burn only natural gas. Therefore, the requirements of 326 IAC 6.5 do not apply to the natural gas-fired combustion space heaters at this source.

Grinding and Machining

- (p) 326 IAC 2-7-1(21)(K)(xxiii) (Insignificant Activities)
Pursuant to 326 IAC 2-7-1(21)(K)(xxiii), the grinding and machining controlled by baghouse (identified as DC-2) shall be considered insignificant grinding and machining provided the baghouse has an outlet grain loading of less than or equal to three one-hundredths (0.03) grain per dry standard cubic feet of outlet air (gr/dscf) and the gas flow rate from the baghouse does not exceed four thousand (4,000) actual cubic feet per minute. The baghouse (DC-2) must be in operation at all times that the grinding and machining equipment is in use.
- (q) 326 IAC 6.5 (Particulate Emission Limitations Except Lake County)
This source, located in Clark County, is not specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10. However, the source-wide unrestricted potential to emit particulate matter is greater than 100 tons per year and actual emissions greater than 10 tons per year; therefore, rule 326 IAC 6.5 is applicable. Pursuant to 6.5-1-2(a), PM emissions from the grinding and machining operation shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf). In order to comply with this rule, the baghouse DC-2 shall be in operation at all times when the grinding and machining (the wood, plastic, and metal substrate sander) is in operation.

Note: 326 IAC 6.5 Limits were not included in prior permit approvals. These are new requirements and these changes include Title I changes.

- (r) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
The insignificant grinding and machining operations are limited pursuant to the requirements of 326 IAC 2-7-1(21)(K)(xxiii), as well as the particulate limitations under 326 IAC 6.5 (Particulate Emission Limitations Except Lake County), which require that PM emissions from the grinding and machining operation shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf). Therefore, the grinding and machining operations are not subject to the particulate limitation requirements of 326 IAC 6-3.

Compliance Determination and Monitoring Requirements

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

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

(a) The compliance determination and monitoring requirements applicable to this proposed permit renewal are as follows:

(1) VOCs - Paint Mixing

(A) The Permittee shall use the following equation to determine compliance with the VOC emission limitations:

$$E = \sum_{i=1}^{i=n} U_i \times 0.015 + M_i \times C_i$$

where:

E = VOC emissions in pounds

i = Single material

U = Usage of VOC in pounds

M = Usage of VOC containing cleanup material in pounds

C = VOC content in pound of VOC per pound of cleanup material

(B) To document compliance with the VOC limits, records shall be maintained for:

(1) The VOC content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The cleanup solvent usage for each month;

(4) The total VOC input for each month; and

(5) The input of VOCs for each compliance period.

- (C) A quarterly summary of the information to document compliance with the VOC limits in the permit shall be submitted within thirty (30) days after the end of the quarter being reported

(2) Particulate Matter - Paint Mixing

Stack/Exhaust	Parameter	Frequency	Range	Excursions and Exceedances
Cartridge Cleaner DC-1	Visible Emissions	Daily	Normal-Abnormal	Response Steps

These monitoring conditions are necessary because the control devices for the mixing lines must operate properly to ensure compliance with 326 IAC 6.5 (Particulate Matter Limitations) and 326 IAC 2-8 (FESOP).

Note: Prior air permit approvals included compliance monitoring for daily pressure drop readings as well as daily visible emissions notations for cartridge cleaner DC-1. This permit renewal includes only daily visible emissions notations as a viable and sufficient method to determine compliance, in addition to requiring the cartridge cleaner DC-1 to operate at all times the paint mixing is in operation. Further, permit conditions include record keeping and reporting requirements which are used to determine compliance with emissions limitations.

(3) Particulate Matter - Surface Coating

The quality control center booths SB-1 and SM-1 meet the definition of "insignificant laboratory activities" as specified in 326 IAC 2-7-1(21)(H), while the customer demonstration center booths SB-2 and SM-2 and the roller coaters meet the definition of "insignificant research and development activities" as specified in 326 IAC 2-7-1(21)(I). Because these emission units meet the definitions of insignificant activities, the uncontrolled potential to emit of any criteria pollutant is less than 25 tons per year, and there are no compliance monitoring requirements specifically required in any state rule for these facilities, there will be no compliance monitoring required for these emissions units included in this permit renewal. In order to comply with 326 IAC 6.5 (Particulate Emission Limitations), particulate emissions from the surface coating operations must be controlled by dry filters and operate in accordance with manufacturer's specifications.

- (b) There are no testing requirements incorporated into this permit renewal. The most recent issued approval required testing to confirm the VOC and HAP loss rate for the paint blending operation. Since calculations for potential to emit (PTE) of this water-based coatings production facility have been conducted using the most conservative emission factor available (30 lbs VOC per ton of product, found in AP-42, Chapter 6.4 - Organic Chemical Process Industry, Paint & Varnish) and actual emissions at the source have historically been much lower, no testing will be required in this permit renewal to determine compliance with the VOC loss rate.

Recommendation

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

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

An application for the purposes of this review was received on December 16, 2011. Additional information was received on March 1, 2012 and March 27, 2012.

Conclusion

The operation of this stationary plant manufacturing specialty coatings shall be subject to the conditions of the attached FESOP Renewal No. F019-31274-00128.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Sarah Street 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) 232-8427. or toll free at 1-800-451-6027 extension 2-8427.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**Appendix A: Emission Calculations
Summary**

Company Name: Sherwin-Williams
Address City IN Zip: 4720 New Middle Rd., Jeffersonville, Indiana 47130
Permit Number: F019-31274-00128
Plt ID: 019-00128
Reviewer: Sarah Street
Date: 3/1/2012

Unlimited Potential To Emit (tons/year)										
Process/emission unit	PM	PM10	PM2.5	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e	Total HAPs	Individual HAP
Product Blending	20.69	20.69	20.69	-	-	315.72	-	-	1.55	1.11
Surface Coating	6.36	6.36	6.36	-	-	11.36	-	-	1.17	1.17
Grinding and Machining	90.10	90.10	90.10	-	-	-	-	-	-	-
Insignificant Combustion	0.003	0.013	0.013	0.001	0.166	0.009	0.140	201	0.003	0.003
TOTAL	117.16	117.17	117.17	0.001	0.17	327.09	0.14	201	2.72	1.17

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

Limited Potential to Emit (tons/year)										
Process/emission unit	PM	PM10	PM2.5	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e	Total HAPs	Individual HAP
Product Blending ⁽¹⁾	5.96	20.69	20.69	-	-	88.00	-	-	1.55	1.11
Surface Coating ⁽²⁾	0.35	0.35	0.35	-	-	11.36	-	-	1.17	1.17
Grinding and Machining ⁽³⁾	4.51	4.51	4.51	-	-	-	-	-	-	-
Insignificant Combustion	0.003	0.013	0.013	0.001	0.166	0.009	0.140	201	0.003	0.003
TOTAL	10.82	25.56	25.56	0.00	0.17	99.37	0.14	201	2.72	1.17

Notes

- (1) The Product Blending PM Limits reflect 326 IAC 6.5 Allowable PM Limits. PM10 and PM2.5 are unlimited. The VOC PTE reflects the FESOP production limit as follows:
The total VOC input to the mixing tanks shall be limited such that the PTE does not exceed 88.0 tons per twelve (12) consecutive month period
- (2) PM, PM10, PM2.5 emissions from surface coating reflect PTE after control. The control device is required to operate while the surface coating operations are in operation.
- (3) The insignificant grinding and machining operation shall not exhaust to the atmosphere greater than 4,000 cf/min and shall not emit PM10 in excess of 0.03 grain per dry standard cubic foot of air

Appendix A: Emission Calculations
Emissions From Surface Coating
Company Name: Sherwin-Williams
Address City IN Zip: 4720 New Middle Rd., Jeffersonville, Indiana 47130
Permit Number: F019-31274-00128
Pit ID: 019-00128
Reviewer: Sarah Street
Date: 3/1/2012

Quality Control Center & Customer Demonstration Center

Unit (ID)	Stack Vent (ID)	Description	Maximum Capacity (gallon/hr)	Weight VOC (lbs/gallon)	Weight Total HAP (lbs/gallon)	Weight Solids (lbs/gallon)	PTE of VOC (ton/yr)	PTE of VOC (lbs/day)	PTE of total HAP (tons/yr)	PTE of PM/PM10 Before Control	PTE of PM/PM10 Before Control (lb/hr)	PTE of PM/PM10 After Control (ton/yr) **
Quality Control Center												
SB-1	SB-1	Manual Spray Booth Simulator										
		Water Base Paint	1.76	0.39	0.04	0.82	3.01	16.47	0.31	1.58	0.36	0.08
SM-1	SM-1	Continuous Line Spray Booth Applicator										
		Water Base Paint	1.89	0.39	0.04	0.82	3.23	17.69	0.33	1.58	0.36	0.08
Customer Demonstration Center												
SB-2	SB-2	Manual Spray Booth Simulator										
		Water Base Paint	1.50	0.39	0.04	0.82	2.56	14.04	0.26	1.58	0.36	0.08
SM-2	SM-2	Continuous Line Spray Booth Applicator										
		Water Base Paint	0.50	0.39	0.04	0.82	0.85	4.68	0.09	1.58	0.36	0.08
Roller Coaters												
		Water Base Paint	1.00	0.39	0.04	0.82	1.71	9.36	0.18	0.04	0.01	0.04
Total							11.36	62.24	1.17	6.36	1.45	0.35

Notes

Spray coating transfer efficiency is 75%, roller coating transfer efficiency is 99%

** All Paint Lines are controlled by dry filters

Methodology

PTE of VOC (ton/yr) = Maximum Capacity (gallon/hr) x Weight of VOC / HAP in Paint (lbs/gallon) x 1 ton/2,000 lbs x 8,760 hrs/yr

PTE of PM (ton/yr) = Maximum Capacity (gallon/hr) x Weight Solids (lbs/gallon) x 1 ton/2,000 lbs x 8,760 hrs/yr x (1 - Transfer Efficiency %)

Production Limited VOC (ton/yr) = Production Limited VOC (lbs/day) x 365 days/yr x 1 ton/2,000 lbs

Appendix A: Emission Calculations

Emissions From Grinding and Machining

Company Name: Sherwin-Williams
Address City IN Zip: 4720 New Middle Rd., Jeffersonville, Indiana 47130
Permit Number: F019-31274-00128
Plt ID: 019-00128
Reviewer: Sarah Street
Date: 3/1/2012

Description	Maximum Flowrate (acfm)	Worst Case Particulate Loading (grains/acf)	PTE of PM/PM10, Controlled *	PTE of PM/PM10, Uncontrolled
Insignificant Grinding	4,000	0.03	4.51	90.1

Notes

* Grinding and machining is controlled by baghouse DC-2, the assumed control efficiency is 95%.

Emission Unit: One (1) wood, plastic, and metal substrate sander

Methodology

PTE of PM/PM10 Controlled (ton/yr) = Maximum Flowrate (acfm) x Worst Case PM Loading (grains/acf) x 1 lb/7,000 grains x 60 min/1 hr x 1 ton/2,000 lbs x 8,760 hrs/yr

PTE of PM/PM10 Uncontrolled (tons/yr) = PTE of PM/PM10 Controlled (ton/yr) / (1-Control Efficiency %)

Assume PM2.5 = PM10

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Company Name: Sherwin-Williams
Address City IN Zip: 4720 New Middle Rd., Jeffersonville, Indiana 47130
Permit Number: F019-31274-00128
Plt ID: 019-00128
Reviewer: Sarah Street
Date: 3/1/2012

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
0.38	1000	3.3

Natural gas-fired space heaters, identified as EU3 and EU4, constructed in 2008, with a combined heat input capacity of 0.38

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	0.003	0.013	0.013	0.001	0.166	0.009	0.140

*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/1,000 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See following page for HAPs emissions calculations.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

HAPs Emissions

Company Name: Sherwin-Williams

Address City IN Zip: 4720 New Middle Rd., Jeffersonville, Indiana 47130

Permit Number: F019-31274-00128

Plt ID: 019-00128

Reviewer: Sarah Street

Date: 3/1/2012

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	3.495E-06	1.997E-06	1.248E-04	2.996E-03	5.659E-06

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	8.322E-07	1.831E-06	2.330E-06	6.325E-07	3.495E-06

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

See following page for Greenhouse Gas calculations.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Greenhouse Gas Emissions

Company Name: Sherwin-Williams
Address City IN Zip: 4720 New Middle Rd., Jeffersonville, Indiana 47130
Permit Number: F019-31274-00128
Plt ID: 019-00128
Reviewer: Sarah Street
Date: 3/1/2012

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	200	0.0	0.0
Summed Potential Emissions in tons/yr	200		
CO2e Total in tons/yr	201		

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 (21) + N2O Potential Emission ton/yr x N2O GWP (310).



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Marlin Ladd
Sherwin-Williams Company
4730 New Middle Road
Jeffersonville, IN 47130

DATE: May 24, 2012

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

SUBJECT: Final Decision
FESOP Renewal
019-31274-00128

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:
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
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Toll Free (800) 451-6027
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May 24, 2012

TO: Jeffersonville Township Public Library

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

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

Applicant Name: Sherwin-Williams Company
Permit Number: 019-31247-00128

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 5/24/2012 Sherwin-Williams Company 019-31274-00128 Final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Marlin Ladd Sherwin-Williams Company 4730 New Middle Rd Jeffersonville IN 47130 (Source CAATS) via confirmed delivery										
2		Ms. Rhonda England 17213 Persimmon Run Rd Borden IN 47106-8604 (Affected Party)										
3		Ms. Betty Hislip 602 Dartmouth Drive, Apt 8 Clarksville IN 47129 (Affected Party)										
4		Mrs. Sandy Banet 514 Haddox Rd Henryville IN 47126 (Affected Party)										
5		Jeffersonville City Council and Mayors Office 500 Quarter Master Jeffersonville IN 47130 (Local Official)										
6		Jeffersonville Twp Public Library 211 E Court Ave, P.O. Box 1548 Jeffersonville IN 47131-1548 (Library)										
7		Mr. Robert Bottom Paddlewheel Alliance P.O. Box 35531 Louisville KY 40232-5531 (Affected Party)										
8		Clark County Board of Commissioners 501 E. Court Avenue Jeffersonville IN 47130 (Local Official)										
9		Clark County Health Department 1320 Duncan Avenue Jeffersonville IN 47130-3723 (Health Department)										
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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