



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: August 30, 2007

RE: Strick Corporation / 001-23108-00035

FROM: Nisha Sizemore
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, Room 1049, 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.dot 03/23/06



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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Strick Corporation
301 North Polk
Monroe, Indiana 46772**

(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.: F001-23108-00035	
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: August 30, 2007 Expiration Date: August 30, 2012

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary semi-trailer manufacturing operation.

Source Address:	301 North Polk, Monroe, Indiana 46772
Mailing Address:	301 North Polk, Monroe, Indiana 46772
General Source Phone Number:	260-692-6147
SIC Code:	3715
County Location:	Adams
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD 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) Three (3) spray paint booths, identified as PB-1 (constructed in 1994), PB-2 (constructed in 1994), and PB-3 (constructed in 1980). Each spray booth is used for painting metal parts. PB-1 and PB-2 each have a maximum throughput capacity of 1.86 units per hour. PB-3 has a maximum throughput of 1.00 unit per hour. Each spray booth is equipped with dry filters for particulate control.
- (b) One (1) shot blast booth, identified as BB-1, constructed in 1994, with a baghouse for particulate control, a maximum blast rate of 2,000 pounds of shot per hour, a maximum process weight rate of 3,520 pounds per hour, and exhausting outside the building.

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

This stationary source also includes the following insignificant activities:

- (a) Natural gas fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including: paint curing oven, identified as PO-1 with heat input rate of 1.2 British thermal units per hour and comfort heaters.
- (b) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (c) Application of oils, grease, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (d) Machining where an aqueous cutting coolant continuously floods the machine interface.
- (e) The following equipment related to manufacturing activities not resulting in the emission of HAPs (brazing equipment, cutting torches, soldering equipment,

welding equipment) including the following:

- (1) Fifty (50) metal inert gas (MIG) welding stations, each with a maximum input capacity of 1.50 pounds of electrode per hour.
 - (2) Two (2) plasma cutting machines, with maximum metal cutting rates of 275 and 230 inches per minute.
- (f) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other air filtration equipment.
 - (g) Emergency generators as follows: two (2) gasoline generators, each not exceeding 110 horsepower.
 - (h) Filter or coalescer media change out.

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, F001-23108-00035, is issued for a fixed term of five (5) 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]

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. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, 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 July 1 of each year to:

Indiana Department of Environmental Management
Compliance 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 the certification 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)][326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.
- (b) 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 or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) 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, 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 Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

- (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 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 the certification 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.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

- (a) All terms and conditions of permits established prior to F001-23108-00035 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 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. 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.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

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

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

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

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification 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
Permits Branch, 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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)

77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

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

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

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

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

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

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

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

(b) The 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. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(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 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

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

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

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

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

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 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 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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

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

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

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, 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 certification 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 certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted

by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, 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 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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

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 prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERP's shall be submitted for approval to:

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

within ninety (90) days from the date of issuance of this permit.

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]

- (a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (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 maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions 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 take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) 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 the certification 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. 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, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, 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) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) 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.
- (f) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

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 the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) Three (3) spray paint booths, identified as PB-1 (constructed in 1994), PB-2 (constructed in 1994), and PB-3 (constructed in 1980). Each spray booth is used for painting metal parts. PB-1 and PB-2 each have a maximum throughput capacity of 1.86 units per hour. PB-3 has a maximum throughput of 1.00 unit per hour. Each spray booth is equipped with dry filters for particulate control.

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

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

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9, no owner or operator of a facility engaged in the surface coating of miscellaneous metal parts or products may cause, allow, or permit the discharge into the atmosphere of any volatile organic compounds in excess of 3.5 pounds of VOC per gallon of coating excluding water delivered to a coating applicator that applies extreme performance coatings.
- (b) Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 2-8]

Pursuant to 326 IAC 2-8, the total VOC input to paint booths PB-1, PB-2, and PB-3 shall be limited to less than 97.0 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Compliance with this limit, combined with the VOC emissions from all other emission units at this source, will limit the source-wide emissions to less than 100 tons per year and render the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

D.1.3 Particulate Matter Less than 10 Microns (PM10) [326 IAC 2-8]

Pursuant to 326 IAC 2-8,

- (a) The coatings applied by paint booths PB-1, PB-2, and PB-3 shall be limited such that the total PM10 emissions shall not exceed 70.7 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The transfer efficiency of paint booths PB-1, PB-2, and PB-3 shall not be less than 30%.
- (c) The control efficiency of the dry filters shall not be less than 80%.

Compliance with this limit, combined with the PM10 emissions from all other emission units at this source, will limit the source-wide emissions to less than 100 tons per year and render the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

D.1.4 Particulate Emissions [326 IAC 6-3]

Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating facilities, identified as PB-1, PB-2, and PB-3, shall be controlled by dry particulate filters, and the Permittee shall operate the control devices in accordance with the manufacturer's specifications.

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the paint booths and dry filters.

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the VOC 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.

D.1.7 Particulate (PM10) Emissions Determination [326 IAC 2-8]

Compliance with Condition D.1.3(a) shall be determined by calculating the PM10 emissions associated with each coating applied by paint booths PB-1, PB-2, and PB-3 using the following equation:

$$PM10 = CU \times D \times W\%S \times (1-TE/100) \times (1-CE/100) \times 1/2000$$

Where:

- PM10 = The total PM10 emissions (ton/month) for a given coating.
- CU = The total coating use (gal coating/month) of a given coating.
- D = The density (lb coating/gal coating) of a given coating.
- W%S = The weight percent solids (lb solids/lb coating) of a given coating.
- TE = The transfer efficiency (%) of the spray applicators. This value shall equal 30% or a value determined from the most recent valid compliance demonstration.
- CE = The control efficiency (%) of the dry filters. This value shall equal 80% or a value determined from the most recent valid compliance demonstration.

The total PM10 emissions (ton/month) from paint booths PB-1, PB-2, and PB-3 is equal to the sum of the PM10 emissions associated with each coating applied by these booths.

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

D.1.8 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. Section C – Response to Excursions and Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Response to Excursions and Exceedances for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of

overspray emission is observed. Section C - Response to Excursions and Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

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

D.1.9 Record Keeping Requirements

- (a) To document compliance 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 content and usage limits established in Conditions D.1.1 and D.1.2.
 - (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 usage for each month.
 - (5) The total VOC usage for each compliance period.
- (b) To document compliance with Condition D.1.3, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to demonstrate compliance with the PM10 emission limit established in Condition D.1.3.
 - (1) The amount of each coating material used (as applied). Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (2) The density and weight percent solids of each coating material used (as applied).
- (c) To document compliance with Condition D.1.8, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

- (a) A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A quarterly summary of the monthly PM10 emissions from the booths covered by Condition D.1.3 calculated in accordance with Condition D.1.7 shall be submitted to the address listed in Section C – General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (b) One (1) shot blast booth, identified as BB-1, constructed in 1994, with a baghouse for particulate control, a maximum blast rate of 2,000 pounds of shot per hour, a maximum process weight rate of 3,520 pounds per hour, and exhausting outside the building.

(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 Emissions [326 IAC 6-3]

Pursuant to 326 IAC 6-3, the particulate emissions from the shot blast booth, identified as BB-1, shall not exceed 6.0 pounds per hour when operating at a process weight rate of 3,520 pounds per hour. The allowable particulate emission rate from the shot blast booth shall be determined by the following equation when operating at process weight rates up to sixty thousand (60,000) pounds per hour:

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

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

D.2.2 Particulate Matter Less than 10 Microns (PM10) [326 IAC 2-8]

Pursuant to 326 IAC 2-8, the PM10 emissions from the shot blast operation shall be limited to less than 6.00 pounds per hour.

D.2.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the shot blast booth and its baghouse.

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

D.2.4 Particulate Emissions

- (a) In order to comply with Conditions D.2.1 and D.2.2, the baghouse for particulate control shall be in operation and control emissions from the shot blast booth, BB-1, at all times that the shot blast booth is 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.

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the shot blast booth stack exhaust shall be performed once per day 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 in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.2.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the shot blast booth, at least once per day when the process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.2.7 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (1) 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 emissions unit. 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.2.8 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain a daily record of daily visible emission notations of the shot blast booth 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 notation (e.g. the process did not operate that day).

- (b) To document compliance with Condition D.2.6, the Permittee shall maintain a daily record of the pressure drop across the baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not run that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

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

Source Name: Strick Corporation
Source Address: 301 North Polk, Monroe, Indiana 46772
Mailing Address: 301 North Polk, Monroe, Indiana 46772
FESOP Permit No.: F001-23108-00035

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 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: Strick Corporation
Source Address: 301 North Polk, Monroe, Indiana 46772
Mailing Address: 301 North Polk, Monroe, Indiana 46772
FESOP Permit No.: F001-23108-00035

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: Strick Corporation
Source Address: 301 North Polk, Monroe, Indiana 46772
Mailing Address: 301 North Polk, Monroe, Indiana 46772
FESOP Permit No.: F001-23108-00035
Facility: Paint Booths PB-1, PB-2, and PB-3
Parameter: VOC Input
Limit: Pursuant to 326 IAC 2-8, the total VOC input to paint booths PB-1, PB-2, and PB-3 shall be limited to less than 97.0 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

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

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

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

FESOP Quarterly Report

Source Name: Strick Corporation
 Source Address: 301 North Polk, Monroe, Indiana 46772
 Mailing Address: 301 North Polk, Monroe, Indiana 46772
 FESOP Permit No.: F001-23108-00035
 Facility: Paint Booths PB-1, PB-2, and PB-3
 Parameter: PM10 Emissions
 Limit: The coatings applied by paint booths PB-1, PB-2, and PB-3 shall be limited such that the total PM10 emissions shall not exceed 70.7 tons per twelve (12) consecutive month period with compliance determined at the end of each month. The PM10 emissions shall be calculated using the following equation:

$$PM10 = CU \times D \times W\%S \times (1-TE/100) \times (1-CE/100) \times 1/2000$$

Where:

- PM10 = The total PM10 emissions (ton/month) for a given coating.
- CU = The total coating use (gal coating/month) of a given coating.
- D = The density (lb coating/gal coating) of a given coating.
- W%S = The weight percent solids (lb solids/lb coating) of a given coating.
- TE = The transfer efficiency (%) of the spray applicators. This value shall equal 30% or a value determined from the most recent valid compliance demonstration.
- CE = The control efficiency (%) of the dry filters. This value shall equal 80% or a value determined from the most recent valid compliance demonstration.

The total PM10 emissions (ton/month) from paint booths PB-1, PB-2, and PB-3 is equal to the sum of the PM10 emissions associated with each coating applied by these booths.

YEAR: _____

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

(report continued on next page)

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

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

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

Source Name: Strick Corporation
 Source Address: 301 North Polk, Monroe, Indiana 46772
 Mailing Address: 301 North Polk, Monroe, Indiana 46772
 FESOP Permit No.: F001-23108-00035

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

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, 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: _____

Attach a signed certification to complete this report.

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

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

Source Background and Description

Source Name:	Strick Corporation
Source Location:	301 North Polk, Monroe, Indiana 46772
County:	Adams
SIC Code:	3715
Operation Permit No.:	F001-14744-00035
Operation Permit Issuance Date:	April 18, 2002
Permit Renewal No.:	F001-23108-00035
Permit Reviewer:	ERG/SE

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Strick Corporation relating to the operation of a semi-trailer manufacturing operation.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) Three (3) spray paint booths, identified as PB-1 (constructed in 1994), PB-2 (constructed in 1994), and PB-3 (constructed in 1980). Each spray booth is used for painting metal parts. PB-1 and PB-2 each have a maximum throughput capacity of 1.86 units per hour. PB-3 has a maximum throughput of 1.00 unit per hour. Each spray booth is equipped with dry filters for particulate control.
- (b) One (1) shot blast booth, identified as BB-1, constructed in 1994, with a baghouse for particulate control, a maximum blast rate of 2,000 pounds of shot per hour, and a maximum process weight rate of 3,520 pounds per hour.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including: paint curing oven, identified as PO-1 with heat input rate of 1.2 British thermal units per hour and comfort heaters.
- (b) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (c) Application of oils, grease, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (d) Machining where an aqueous cutting coolant continuously floods the machine interface.

- (e) The following equipment related to manufacturing activities not resulting in the emission of HAPs (brazing equipment, cutting torches, soldering equipment, welding equipment) including the following:
 - (1) Fifty (50) metal inert gas (MIG) welding stations, each with a maximum input capacity of 1.50 pounds of electrode per hour.
 - (2) Two (2) plasma cutting machines, with maximum metal cutting rates of 275 and 230 inches per minute, respectively.
- (f) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other air filtration equipment.
- (g) Emergency generators as follows: two (2) gasoline generators each not exceeding 110 horsepower.
- (h) Filter or coalescer media change out.

Existing Approvals

The source has been operating under the previous FESOP 001-14744-00035, issued on April 18, 2002 with an expiration date of April 18, 2007 and the following amendments and revisions:

- (a) Administrative Amendment 001-20958-00035 issued on April 6, 2005
- (b) Administrative Amendment 001-21922-00035 issued on November 22, 2005

All conditions from previous approvals were incorporated into this FESOP renewal except the following:

- (a) F001-14744-00035 issued on April 18, 2002

Condition D.1.3: This condition limited single HAP usage to 10 tons per year and combined HAP usage to 25 tons per year for paint booths PB-1, PB-2, and PB-3.

Reason not incorporated: Based on revised throughputs, Material Safety Data Sheets, and revised worst-case emission calculations provided by the source in the application for F001-23108-00035, the potential to emit any single HAP from the entire source is now less than 10 tons per year and the potential to emit a combination of HAPs from the entire source is less than 25 tons per year. The HAP emissions were previously calculated to be greater than 10 tons per year for a single HAP and greater than 25 tons per year for a combination of HAPs. Based on the revised worst-case emission calculations provided by the source, the potential to emit HAPs is less than these thresholds. Therefore, the source no longer needs HAP limits in order to comply with 326 IAC 2-8 (FESOP).

- (b) F001-14744-00035 issued on April 18, 2002

Condition D.1.5: This condition limited PM emissions from paint booths PB-1, PB-2, and PB-3 to 16 pounds of PM per hour, which is equivalent to 70.7 tons of PM per year.

Reason not incorporated: Based on revised throughputs, Material Safety Data Sheets, and revised worst-case emission calculations provided by the source in the application for F001-23108-00035, the potential to emit PM from the entire source is less than 250 tons per year. Previously the PM emissions were calculated to be greater than 250 tons per year. However, the revised worst-case calculations provided by the source show that potential PM emissions are less than 250 tons per year. Therefore, the source no longer needs this PM limit in order to comply with 326 IAC 2-2 (Prevention of Significant Deterioration).

- (c) F001-14744-00035 issued on April 18, 2002

Condition D.1.6: This condition limited PM emissions from paint booths PB-1, PB-2, and PB-3 based on the equation in 326 IAC 6-3-2(e).

Reason revised: This condition was revised to reflect the requirements of 326 IAC 6-3-2(d), which require the surface coating operations to use dry filters.

(d) F001-14744-00035 issued on April 18, 2002

Condition D.3.1: This condition limited PM emissions from the welding operations based on the equation in 326 IAC 6-3-2(e).

Reason not incorporated: Pursuant to 326 IAC 6-3-1(b)(14), the welding operations are exempt from the requirements of 326 IAC 6-3 because the potential to emit particulate is less than five hundred fifty-one thousandths (0.551) pound per hour, and each welding station uses less than six hundred twenty-five (625) pounds of electrode per day.

(e) F001-14744-00035 issued on April 18, 2002

Condition D.2.1(b): This condition stated that compliance with the limit contained in D.2.1(a) for the shot booth pursuant to 326 IAC 6-3, combined with the limit in D.1.5 for the paint booths, would ensure that source-wide PM emissions would be less than 250 tons per year.

Reason not incorporated: According to the potential emission calculations in TSD Appendix A, the unlimited potential to emit PM from the entire source is less than 250 tons per year. Therefore, the source is minor under PSD and does not need a PM emission limit for the shot blast booth in order to comply with 326 IAC 2-2. However, the shot blast booth is still subject to the requirements of 326 IAC 6-3. Therefore, the emission limit contained in Condition D.2.1 pursuant to 326 IAC 6-3 has not been removed from the permit.

Enforcement Issue

There are no enforcement actions pending.

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 administratively complete FESOP renewal application for the purposes of this review was received on May 18, 2006. Additional information was received on December 6, 2006; December 20, 2006; and January 22, 2007.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 7).

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	246
PM-10	241

SO ₂	0.04
VOC	151
CO	25.4
NO _x	2.12

HAPs	Unrestricted Potential Emissions (tons/yr)
Xylene	9.90
Methyl Isobutyl Ketone	5.51
Toluene	4.39
Other HAPs	0.14
Total	19.9

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM10 and VOC are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7. The source will be issued a FESOP because the source will limit its emissions below the Title V levels.
- (b) 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.
- (c) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

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. Since the source has not constructed any new emission units, the source's potential to emit is based on the emission units included in the original FESOP.

Process/emission unit	Potential To Emit (tons/year)						
	PM	PM10	SO ₂	VOC	CO	NO _x	HAPs
Surface Coating ⁽¹⁾	208	70.7	--	97.0	--	--	(Single HAP 9.90)
Shot Blasting ⁽²⁾	35.0	26.0	--	--	--	--	--
Natural Gas Combustion	0.03	0.11	0.01	0.08	1.27	1.51	0.03
Emergency Generators	0.04	0.04	0.03	1.19	24.1	0.61	Negligible
Welding and Cutting	2.23	2.23	--	--	--	--	0.11
Total Emissions	161	99.4	0.04	98.3	25.4	2.12	19.9

⁽¹⁾ Pursuant to 326 IAC 2-8 (FESOP), the PM10 and VOC emissions from surface coating have been limited so that the PTE of the source is less than 100 tons per year.

⁽²⁾ Pursuant to 326 IAC 2-8 (FESOP) and 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the PM10 emissions from shot blasting have been limited so that the PTE of the source is less than 100 tons per year.

County Attainment Status

The source is located in Adams County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

Note: On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

- (a) Adams County has been classified as unclassifiable or attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions. See the State Rule Applicability - Entire Source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides 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. Adams 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. See the State Rule Applicability - Entire Source section.
- (c) Adams 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. See the State Rule Applicability - Entire Source section.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	246
PM-10	99.4
SO ₂	0.04
VOC	98.3
CO	25.4
NO _x	2.12
Single HAP	9.90
Combination HAPs	19.9

This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit for this source.
- (b) The requirements of 40 CFR 63, Subpart IIII (National Emission Standards for Hazardous Air Pollutants from Surface Coating of Automobiles and Light Duty Trucks) are not included in this permit for this source, because this source is not a major source of HAPs.
- (c) The requirements of 40 CFR 63, Subpart Mmmm (National Emission Standards for Hazardous Air Pollutants from Surface Coating of Miscellaneous Metal Parts and Products) are not included in this permit for this source, because this source is not a major source of HAPs.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source was initially constructed in 1980 and modified in 1994, is located in Adams County, and is not one of 28 listed source categories. At the time of initial construction, the potential to

emit of all pollutants was less than 250 tons per year. The shot blast booth was constructed in 1994. After construction of the shot blast booth, the potential to emit all criteria pollutants remained less than 250 tons per year. Therefore, the source continues to be a minor source under PSD, and the requirements of 326 IAC 2-2 are not applicable.

326 IAC 2-6 (Emission Reporting)

This source is located in Adams County and is not required to operate under a Part 70 permit, and has potential lead emissions less than five (5) tons per year. Therefore, pursuant to 326 IAC 2-6-1(b), the source is only subject to additional information requests as provided in 326 IAC 2-6-5.

326 IAC 2-8 (FESOP)

(a) Pursuant to 326 IAC 2-8, the surface coating operations shall be limited as follows:

- (1) The total VOC input to paint booths PB-1, PB-2, and PB-3 shall be limited to less than 97 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (2) The coatings applied by paint booths PB-1, PB-2, and PB-3 shall be limited such that the total PM10 emissions shall not exceed 70.7 tons per twelve consecutive month period with compliance determined at the end of each month.
- (3) The transfer efficiency of paint booths PB-1, PB-2, and PB-3 shall not be less than 30%.
- (4) The control efficiency of the dry filters shall not be less than 80%.

(b) Pursuant to 326 IAC 2-8, the PM10 emissions from the shot blast operation shall be limited to less than 6.00 pounds per hour.

326 IAC 5-1 (Opacity Limitations)

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

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

326 IAC 6-4 (Fugitive Dust Emissions)

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

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

This source is not a source of fugitive particulate matter emissions. Therefore, the requirements of 326 IAC 6-5 are not applicable.

State Rule Applicability – Surface Coating

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

Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating facilities, identified as PB-1, PB-2, and PB-3, shall be controlled by dry particulate filters, and the Permittee shall operate these control devices in accordance with the manufacturer's specifications.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

Although constructed after January 1, 1980, the surface coating facilities identified as PB-1 and PB-2 are not subject to the requirements of 326 IAC 8-1-6 because these facilities are subject to the requirements of 326 IAC 8-2-9. Facilities subject to the requirements of another Article 8 rule are exempt from the requirements of 326 IAC 8-1-6. The surface coating facility, identified as PB-3, does not have the potential to emit twenty-five (25) tons per year or greater of VOC; therefore, PB-3 is not subject to the requirements of 326 IAC 8-1-6.

326 IAC 8-2-9 (Miscellaneous Metal Coating Operations)

- (a) The paint booths identified as PB-1 and PB-2 were both constructed in Adams County after 1980, have the potential to emit VOC greater than twenty-five (25) tons per year, and are used to coat metal products under the Standard Industrial Classification Code of major group #37. Therefore, PB-1 and PB-2 are subject to the requirements of 326 IAC 8-2-9. Pursuant to 326 IAC 8-2-9, no owner or operator of a facility engaged in the surface coating of miscellaneous metal parts or products may cause, allow, or permit the discharge into the atmosphere of any volatile organic compounds in excess of 3.5 pounds of VOC per gallon of coating excluding water delivered to a coating applicator that applies extreme performance coatings. Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.
- (b) The paint booth, identified as PB-3, was constructed in Adams County in 1980 and does not have the potential to emit VOC greater than twenty-five (25) tons per year. Therefore, PB-3 is not subject to the requirements of 326 IAC 8-2-9.

State Rule Applicability - Shot Blasting

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

Pursuant to F001-14744-00035 issued on April 18, 2002 and 326 IAC 6-3, the particulate emissions from the shot blast booth, identified as BB-1, shall not exceed 6.0 pounds per hour when operating at a process weight rate of 3,520 pounds per hour. The allowable particulate emission rate from the shot blast booth shall be determined by the following equation when operating at process weight rates up to sixty thousand (60,000) pounds per hour:

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

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

State Rule Applicability - Natural Gas Combustion

326 IAC 6-2 (Particulate Emissions from Indirect Heating Units)

The natural gas-fired combustion units are not subject to 326 IAC 6-2 because they are not sources of indirect heating.

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

Pursuant to 326 IAC 6-3-1(b)(9) and (14), the natural gas-fired combustion units are exempt from the requirements of 326 IAC 6-3, because they have potential particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The natural gas-fired combustion units are not subject to the requirements of 326 IAC 7-1.1, because the potential sulfur dioxide emissions are less than twenty-five (25) tons per year and ten (10) pounds per hour.

State Rule Applicability - Welding and Cutting

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

- (a) Pursuant to 326 IAC 6-3-1(b)(14), the welding operations are exempt from the requirements of 326 IAC 6-3 because each station consumes less than six hundred twenty-five (625) pounds of electrode per day, and because the potential to emit particulate is less than five hundred fifty-one thousandths (0.551) pound per hour.
- (b) Pursuant to 326 IAC 6-3-1(b)(14), the plasma cutting operations are exempt from the requirements of 326 IAC 6-3 because the potential to emit particulate is less than five hundred fifty-one thousandths (0.551) pound per hour.

State Rule Applicability - Emergency Generators

326 IAC 6-2 (Particulate Emissions from Indirect Heating Units)

The gasoline-fired emergency generators are not subject to 326 IAC 6-2 because they are not sources of indirect heating.

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

Pursuant to 326 IAC 6-3-1(b)(14), the gasoline-fired emergency generators are exempt from the requirements of 326 IAC 6-3, because they have potential particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The gasoline-fired emergency generators are not subject to the requirements of 326 IAC 7-1.1, because the potential sulfur dioxide emissions are less than twenty-five (25) tons per year and ten (10) pounds per hour.

326 IAC 10-5 (Nitrogen Oxide Reduction Program for Internal Combustion Engines (ICE))

The gasoline-fired emergency generators are not subject to the requirements of 326 IAC 10-5 because they are not large NOx SIP Call engines.

Testing Requirements

Testing is not required for VOC or particulate emissions from the surface coating operations because this permit includes record keeping requirements that will ensure compliance with VOC and particulate emission limitations.

Testing is not required for PM or PM10 emissions from the shot blast machine. Pursuant to F001-14744-00035 issued on April 18, 2002, the baghouse filter for PM and PM-10 control shall be in operation and control emissions from the shot blast booth, BB-1, at all times that the shot blast booth is in operation in order to comply with PM and PM10 emission limits. Testing requirements are not included in this permit because the shot blast booth is not the primary source of PM/PM10 emissions. The surface coating operations are the primary source of particulate emissions, and this permit includes record keeping requirements to document compliance with the surface coating particulate emission limit.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous

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

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

1. The paint booths PB-1, PB-2, and PB-3 have applicable compliance monitoring conditions as specified below:
 - (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. Section C – Response to Excursions and Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.
 - (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Response to Excursions and Exceedances for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. Section C - Response to Excursions and Exceedances shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit.

These monitoring conditions are necessary because the dry filters used with the surface coating operations must operate properly to control particulate emissions and to ensure compliance with 326 IAC 2-8 and 326 IAC 6-3.

2. The shot blast booth BB-1 has applicable compliance monitoring conditions as specified below:
 - (a) Pursuant to F001-14744-00035 issued on April 18, 2002 and in order to comply with Conditions D.2.1 and D.2.2, the baghouse for particulate control shall be in operation and control emissions from the shot blast booth, BB-1, at all times that the shot blast booth is in operation.
 - (b) Visible emission notations of the shot blast booth stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. 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. 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. 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. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.
 - (c) The Permittee shall record the pressure drop across the baghouse used in conjunction with the shot blast booth, at least once per day when the process is

in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions and Exceedances, shall be considered a deviation from this permit. The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

- (d) 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.

Conclusion

The operation of this semi-trailer manufacturing source shall be subject to the conditions of the FESOP 001-23108-00035.

Appendix A: Emissions Calculations
Criteria Emissions
From Gasoline-fired Emergency Generators
Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007

Total Maximum Output (hp) 220

	Pollutant					
	PM*	PM10*	SO ₂	NOx	VOC**	CO
Emission Factor (lbs/hp-hr)	7.21E-04	7.21E-04	5.91E-04	0.011	0.022	0.439
Potential to Emit (tons/year)	0.69	0.69	0.57	10.6	20.8	423
Potential to Emit (tons/year) at 500 hrs/yr	0.04	0.04	0.03	0.61	1.19	24.1

*Assume PM emissions equal PM10 emissions.
 **Assume VOC emission factor equals TOC emission factor.
 Emission factors are from AP-42, Chapter 3.3, Table 3.3-1 (10/96).

Methodology
 PTE (tons/year) = Total Maximum Output (hp) x Emission Factor (lbs/hp-hr) x 8,760 hrs/yr x 1 ton/2,000 lbs
 PTE (tons/year) at 500 hrs = Total Maximum Output (hp) x Emission Factor (lbs/hp-hr) x 500 hrs/yr x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Criteria and HAP Emissions
From Natural Gas-fired Paint Curing Oven and Comfort Heaters
Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007

Total Heat Input Capacity (MMBtu/hour) 3.52

Potential Throughput (MMscf/year) 30.2
--

Emission Factor (lbs/MMscf)	Pollutant						
	PM*	PM10*	SO ₂	NOx **	VOC	CO	HAPs
	1.9	7.6	0.6	100	5.5	84.0	1.89
PTE (tons/year)	0.03	0.11	9.07E-03	1.51	0.08	1.27	2.86E-02

* PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM and PM10 combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMscf.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, and 1.4-4, SCC #1-01-006-02, 1-02-006-02, 1-03-006-02, and 1-03-006-03 (7/98).

All emission factors are based on normal firing.

Methodology

Potential Throughput (MMscf/year) = Heat Input Capacity (MMBtu/hour) x 8,760 hours/year x 1 MMscf/1,020 MMBtu

PTE (tons/year) = Throughput (MMscf/year) x Emission Factor (lbs/MMscf) x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Particulate Emissions from Shot Blasting
Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007

Emissions Unit	Blast Rate (lbs shot/hour)	PM Emission Factor (lbs/lb shot)	PM10 Emission Factor (lbs/lb shot)	Control Efficiency %	Potential to Emit (tons/year)			
					PTE of PM Before Controls	PTE of PM10 Before Controls	PTE of PM After Controls	PTE of PM10 After Controls
Shot Blast Machine	2000	0.004	0.00344	99.0%	35.0	30.1	0.35	0.30

Emission factors for the Shot Blast Machine are from STAPPA/ALAPCO, Section 3 "Abrasive Blasting" for steel shot. PM10 emissions are 0.86 that of PM. Control is by baghouse.

Methodology

PTE of PM/PM10 Before Controls (tons/year) = Blast Rate (lbs shot/hour) x Emission Factor (lbs/lb shot) x 8760 (hours/year) x 1 ton/2,000 lbs

PTE of PM/PM10 After Controls (tons/year) = Grain Loading (gr/ascf) x Air Flow Rate (scfm) x 60 (min/hour) x 1 lb/7,000 gr x 8760 (hours/year) x 1 ton/2,000 lbs

Appendix A: Emission Calculations
Particulate and HAP Emissions from Welding and Cutting
Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007

1. Welding Emissions

PROCESS	Electrode Type	Number of Stations	Max. electrode consumption per station (lbs/hr)	*Emission Factor (lb pollutant/1,000 lb electrode)				Potential to Emit (tons/yr)				
				PM/PM10	Mn	Ni	Cr	PM/PM10	Mn	Ni	Cr	Total HAPs
Metal Inert Gas (MIG)	E70S	50.0	1.50	5.20	0.32	1.00E-03	1.00E-03	1.71	0.10	3.29E-04	3.29E-04	0.11

2. Plasma Cutting

PROCESS	Number of Stations	Max. Metal Cutting Rate (in/min)	Emission Factor (lb pollutant/1,000 inches cut)**	Potential to Emit PM/PM10 (tons/yr)
			PM/PM10	PM/PM10
Plasma Cutting Machine (1)	1	275	0.0039	0.28
Plasma Cutting Machine (2)	1	230	0.0039	0.24
Total				0.52

*Emission factors for welding are from AP-42, Chapter 12.19, Tables 12.19-1 and 12.19-2 (1/95).

**Emission factor for plasma cutting is from the American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions. Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/1,000 in. cut, 8 mm thick

Methodology

Welding PTE (tons/yr) = Number of Stations x Max. electrode consumption per station (lbs/hr) x Emission Factor (lb pollutant/1,000 lbs of electrode) x 8,760 hrs/yr x 1 ton/2,000 lbs
 Plasma Cutting PTE (tons/yr) = Number of stations x Max. Metal Cutting Rate (in/min) x 60 min/hr x Emission Factor (lb pollutant/1,000 in cut) x 8,760 hrs/yr x 1 ton/2,000 lbs

Appendix A: Emission Calculations
VOC and Particulate Emissions
From Surface Coating Operations
Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007

Material	Density (lbs/gal)	Weight % Volatile (H2O & Organics)	Weight % Water and Exempt Compounds	Weight % Organics	Volume % Water	Gallons of Coating (gal/unit)	Maximum Throughput (units/hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	PTE VOC (lbs/hr)	PTE VOC (lbs/day)	PTE VOC (tons/yr)	PTE Particulate (tons/yr)	Controlled PTE Particulate (tons/yr)	*Transfer Efficiency (%)	Control Efficiency (%)
Paint Booth 1																
**Champion Black Primer	13.3	23.6%	4.32%	19.3%	0.00%	0.75	1.86	2.56	2.80	3.91	93.7	17.1	43.4	8.68	30%	80%
Champion Strick Black Urethane Composite	11.4	20.3%	0.00%	20.3%	0.00%	0.75	1.86	2.30	2.30	3.21	77.0	14.1	38.7	7.74	30%	80%
Paint Booth 2																
Scharpf Undercoat SG-500G	6.18	43.0%	0.00%	43.0%	0.00%	5.00	1.86	2.66	2.66	24.7	593	108	100	20.1	30%	80%
Champion Strick Black Urethane Composite	11.4	20.3%	0.00%	20.3%	0.00%	0.20	1.86	2.30	2.30	0.86	20.5	3.75	10.3	2.06	30%	80%
Paint Booth 3																
**Champion Black Primer	13.3	23.6%	4.32%	19.3%	0.00%	0.50	1.00	2.56	2.80	1.40	33.6	6.13	15.6	3.11	30%	80%
Total										34.1	818	149	208	41.7		

*The source reported a 60% transfer efficiency for all coatings, except the Champion Strick Black Urethane Composite used in Paint Booth 2 (30% transfer efficiency). For a worst case scenario, a 30% transfer efficiency has been used above. The source uses airless and air assisted airless spray guns.

**The MSDS for the Champion Black Primer provides the pounds of VOC per gallon of coating as 2.80 lbs/gal. A lower lb/gal value is predicted based on the Weight % Organics. The higher value of 2.80 lbs/gal as reported in the MSDS is used above to calculate emissions in order to ensure a worst case scenario. 4.32% represents the Weight % Exempt Compounds for this coating. This coating does not contain water.

Methodology

Pounds of VOC per gallon coating less water = (Density (lbs/gal) * Weight % Organics) / (1-Volume % Water)

PTE VOC (lbs/hr) = Pounds VOC per gallon of coating (lbs/gal) * Gallons of Coating (gal/unit) * Maximum Throughput (units/hr)

PTE VOC (lbs/day) = PTE VOC (lbs/hr) * 24 hrs/day

PTE VOC (tons/yr) = PTE VOC (lbs/hr) * 8,760 hrs/yr * 1 ton/2,000 lbs

PTE Particulate (tons/yr) = Maximum Throughput (units/hr) * Gallons of Coating (gal/unit) * Density (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer Efficiency %) * 8,760 hrs/yr * 1 ton/2,000 lbs

Appendix A: Emission Calculations
HAP Emissions
From Surface Coating Operations
Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007

Material	Density (lbs/gal)	Weight % Toluene	Weight % Xylene	Weight % Methyl Isobutyl Ketone	Gallons of Material (gal/unit)	Maximum Throughput (units/hr)	PTE Toluene (tons/yr)	PTE Xylene (tons/yr)	PTE Methyl Isobutyl Ketone (tons/yr)
Paint Booth 1									
Champion Black Primer	13.3	0.00%	5.00%	5.00%	0.75	1.86	0.00	4.06	4.06
Champion Strick Black Urethane Composite	11.4	5.00%	5.00%	0.00%	0.75	1.86	3.47	3.47	0.00
Paint Booth 2									
Scharpf Undercoat SG-500G	6.18	0.00%	0.00%	0.00%	5.00	1.86	0.00	0.00	0.00
Champion Strick Black Urethane Composite	11.4	5.00%	5.00%	0.00%	0.20	1.86	0.92	0.92	0.00
Paint Booth 3									
Champion Black Primer	13.3	0.00%	5.00%	5.00%	0.50	1.00	0.00	1.45	1.45
Total							4.39	9.90	5.51
Total HAPs							19.8		

Methodology

PTE HAPs (tons/yr) = Density (lbs/gal) * Gallons of Material (gal/unit) * Maximum Throughput (units/hr) * Weight % HAP * 8,760 hrs/yr * 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Emissions Summary**

**Company Name: Strick Corporation
Address: 301 North Polk, Monroe, Indiana 46772
FESOP: 001-23108-00035
Reviewer: ERG/SE
Date: June 14, 2007**

Unlimited PTE (tons/yr)

	PM	PM10	SO ₂	NO _x	VOC	CO	HAPs
Surface Coating	208	208	--	--	149	--	19.8
Shotblasting	35.0	30.1	--	--	--	--	--
Natural Gas Combustion	0.03	0.11	0.01	1.51	0.08	1.27	0.03
Emergency Generators	0.04	0.04	0.03	0.61	1.19	24.1	negligible
Welding and Cutting	2.23	2.23	--	--	--	--	0.11
Total	246	241	0.04	2.12	151	25.4	19.9

Limited PTE (tons/yr)

	PM	PM10	SO ₂	NO _x	VOC	CO	HAPs
Surface Coating*	208	70.7	--	--	97.0	--	19.8
Shotblasting*	35.0	26.3	--	--	--	--	--
Natural Gas Combustion	0.03	0.11	0.01	1.51	0.08	1.27	0.03
Emergency Generators	0.04	0.04	0.03	0.61	1.19	24.1	negligible
Welding and Cutting	2.23	2.23	--	--	--	--	0.11
Total	246	99.4	0.04	2.12	98.3	25.4	19.9

*PM10 from surface coating and shot blasting and VOC from surface coating have been limited pursuant to 326 IAC 2-8-4.