



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: June 24, 2010

RE: Star Design, LLC / 039-29125-00703

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07



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

**Star Design, LLC
25837 Borg Road
Elkhart, Indiana 46514**

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

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

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

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

Operation Permit No.: F039-29125-00703	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: June 24, 2010 Expiration Date: June 24, 2015

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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 custom plastic automotive parts manufacturing and painting facility.

Source Address:	25837 Borg Road, Elkhart, Indiana 46514
General Source Phone Number:	(574) 293-3101
SIC Code:	3714
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

One (1) Surface Coating Operation for coating plastic automotive parts, identified as SC1, approved for construction in 2010, consisting of one spray coating booth, identified as SB1, having a maximum capacity of two (2) component groups (aka "kits") per hour, equipped with one HVLP/airless spray gun, with particulate emissions controlled by dry filters, and exhausting to stack SCSV1;

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

This stationary source also includes the following insignificant activities:

- (a) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (b) Activities with emissions equal to or less than the following thresholds: five (5.0) tons per year PM or PM10, ten (10.0) tons per year SO₂, NO_x, or VOC, two tenths (0.2) tons per year Pb, one (1.0) ton per year of a single HAP, or two and five tenths (2.5) tons per year of any combination of HAPs:
 - (1) One (1) vacuum thermoforming process for the manufacture of plastic automotive parts, approved for construction in 2010, with a maximum ABS plastic throughput rate of 1,200 pounds per hour, uncontrolled and exhausting inside the building.
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
 - (1) Four (4) natural gas fired radiant space heaters, identified as H1 through H4, constructed in 1969, each with a maximum heat input capacity of one hundred twenty-five thousandths (0.125) MMBtu per hour, uncontrolled and exhausting inside the building; and

- (2) One (1) natural gas fired office air heater, identified as H5, constructed in 1969, with a maximum heat input capacity of six tenths (0.6) MMBtu per hour, uncontrolled and exhausting inside the building.
- (d) Activities associated with production including the following:
 - (1) Application equipment for hot melt adhesives with no VOC in the adhesive formulation; and
 - (2) Air compressors and pneumatically operated equipment, including hand tools.
- (e) Air vents from air compressors;
- (f) Activities performed using hand-held equipment including the following:
 - (1) Application of hot melt adhesives with no VOC in the adhesive formulation;
 - (2) Cutting, excluding cutting torches;
 - (3) Machining wood, metal, or plastic;
 - (4) Drilling;
 - (5) Grinding;
 - (6) Routing;
 - (7) Sanding; and
 - (8) Sawing.
- (g) Portable containers used for the collection, storage, or disposal of materials provided the container capacity is equal to or less than forty-six hundredths (0.46) cubic meters and the container is closed except when the material is added or removed.

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) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

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

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

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

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

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4][326 IAC 2-8]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

- (a) This permit, F039-29125-00703, 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.5 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.6 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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

B.7 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.8 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.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.10 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:

(i) it contains a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1), and

(ii) the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.11 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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

B.12 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.13 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 prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

The Permittee shall implement the PMPs.

- (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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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.14 Emergency Provisions [326 IAC 2-8-12]

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

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

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

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

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

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

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

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

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

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

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

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F039-29125-00703 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.16 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.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

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

B.18 Permit Renewal [326 IAC 2-8-3(h)]

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

Request for renewal shall be submitted to:

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

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

B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

- (4) The Permittee notifies the:

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

and

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

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

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

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

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

B.21 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.22 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.23 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

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

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

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

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

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

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

B.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

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

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

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

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

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

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

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

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

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

EMISSIONS UNIT DESCRIPTION [326 IAC 2-8-4(10)]: Plastic Coating Booth

- (a) One (1) Surface Coating Operation, identified as SC1, approved for construction in 2010, consisting of one spray coating booth, identified as SB1, having a maximum capacity of two (2) component groups (aka "kits") per hour, equipped with one HVLP/airless spray gun, with particulate emissions controlled by dry filters, and exhausting to stack SCSV1;

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

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

D.1.1 FESOP Hazardous Air Pollutant (HAP) Limit [326 IAC 2-8-4] [326 IAC 2-4.1]

Pursuant to 326 IAC 2-8-4 (FESOP), and in order to limit HAP emissions from Surface Coating Operation SC1, the Permittee shall comply with the following:

- (a) The input of any single HAP to the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed nine and five tenths (9.5) tons per twelve (12) consecutive month period with compliance determined at the end of each month; and
- (b) The input of any combination of HAPs to the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed twenty-four and five tenths (24.5) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

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

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

The total VOC input to Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed twenty-four and nine tenths (24.9) tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit shall limit the potential to emit VOC from the Spray Paint Booth 1 (SB1) to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the provisions of 326 IAC 8-1-6 (New Facilities; VOC Reduction Requirements) not applicable.

D.1.3 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and its corresponding control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.5 Hazardous Air Pollutants and Volatile Organic Compounds [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the HAP and VOC limitations contained in Conditions D.1.1(a), D.1.1(b), 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.

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

D.1.6 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 operation's stack (SCSV1) while Spray Paint Booth 1 (SB1) is in operation. If a condition exists which should result in a response step, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (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. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with the HAP and VOC limitations contained in Conditions D.1.1(a), D.1.1(b), and D.1.2, the Permittee shall maintain records in accordance with (1) through (7) below. Records maintained for (1) through (7) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP and VOC input limits established in Conditions D.1.1 and D.1.2.
- (1) The VOC and HAP 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 single and combined HAP input for each month.
 - (5) The total VOC input for each month.
 - (6) The total single and combined HAP input for each compliance period.
 - (7) The total VOC input for each compliance period.

- (b) To document the compliance status with the Particulate requirements contained in Condition(s) D.1.3 and D.1.6, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections. The Permittee shall include in its record when an observation and/or inspection is not conducted and the reason for the lack of an observation and/or inspection, (i.e. the process did not operate that day).
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.8 Reporting Requirements

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

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

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

Source Name: Star Design, LLC
Source Address: 25837 Borg Road, Elkhart, Indiana 46514
FESOP Permit No.: F039-29125-00703

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: Star Design, LLC
Source Address: 25837 Borg Road, Elkhart, Indiana 46514
FESOP Permit No.: F039-29125-00703

This form consists of 2 pages

Page 1 of 2

- | |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|---|

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Star Design, LLC
Source Address: 25837 Borg Road, Elkhart, IN 46514
FESOP Permit No.: F039-29125-00703
Facility: Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1)
Parameter: Total Single HAP Input
Limit: Total Single HAP Input, including coatings, dilution solvents, and cleaning solvents, shall not exceed nine and five tenths (9.5) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER: _____ MONTH: _____ YEAR: _____

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Star Design, LLC
 Source Address: 25837 Borg Road, Elkhart, IN 46514
 FESOP Permit No.: F039-29125-00703
 Facility: Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1)
 Parameter: Total Combined HAP Input
 Limit: Total Combined HAP Input, including coatings, dilution solvents, and cleaning solvents, shall not exceed twenty-four and five tenths (24.5) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER: _____ MONTH: _____ YEAR: _____

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

FESOP Quarterly Report

Source Name: Star Design, LLC
Source Address: 25837 Borg Road, Elkhart, IN 46514
FESOP Permit No.: F039-29125-00703
Facility: Spray Paint Booth 1 (SB1)
Parameter: Total VOC input
Limit: Total VOC input to Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed twenty-four and nine tenths (24.9) tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ MONTH: _____ YEAR: _____

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

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

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

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

Source Name: Star Design, LLC
Source Address: 25837 Borg Road, Elkhart, Indiana 46514
FESOP Permit No.: F039-29125-00703

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ΔNo 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: _____

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

Star Design, LLC
25837 Borg Road
Elkhart, Indiana 46514

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of _____ for _____
(Title) (Company Name)
3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____
(Company Name)
4. I hereby certify that Star Design, LLC 25837 Borg Road, Elkhart, Indiana 46514, completed construction of the custom plastic automotive parts manufacturing and painting facility on _____ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on March 30, 2010, and as permitted pursuant to New Source Construction Permit and Federally Enforceable State Operating Permit No. F039-29125-00703, Plant ID No. 039-00703 issued on _____.
5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature _____
Date _____

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana
on this _____ day of _____, 20____. My Commission expires: _____.

Signature _____
Name _____ (typed or printed)

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

Addendum to the Technical Support Document (ATSD) for a
New Source Construction and Federally Enforceable
State Operating Permit (FESOP)

Source Background and Description

Source Name: Star Design, LLC
Source Location: 25837 Borg Road, Elkhart, IN 46514
County: Elkhart
SIC Code: 3714
Operation Permit No.: F039-29125-00703
Permit Reviewer: Hannah L. Desrosiers

On May 18, 2010, the Office of Air Quality (OAQ) had a notice published in the Elkhart Truth, Elkhart, Indiana, stating that Star Design, LLC had applied for a new source construction and FESOP to construct and operate a new stationary custom automotive parts manufacturing and painting facility. The notice also stated that the OAQ proposed to issue a new source construction and FESOP for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

No comments were received during the public notice period.

Additional Changes

IDEM, OAQ has decided to make an additional revision to the permit as described below, with deleted language as ~~strikeouts~~ and new language **bolded**.

- (a) IDEM, OAQ is removing Section B - Advanced Source Modification Approval as it unnecessary.

~~B.25 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]~~

- ~~(a) The requirements to obtain a permit modification under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.~~
- ~~(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.~~

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Ms. Hannah Desrosiers at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5374 or toll free at 1-800-451-6027 extension 4-5374.

- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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

Technical Support Document (TSD)
for a New Source Construction and
Federally Enforceable State Operating Permit (FESOP)

Source Description and Location

Source Name: Star Design, LLC
Source Location: 25837 Borg Road, Elkhart, IN 46514
County: Elkhart
SIC Code: 3714
Operation Permit No.: F039-29125-00703
Permit Reviewer: Hannah L. Desrosiers

On March 30, 2010, the Office of Air Quality (OAQ) received an application from Star Design, LLC related to the construction and operation of a new stationary custom plastic automotive parts manufacturing and painting facility.

Existing Approvals

There have been no previous approvals issued to this source.

County Attainment Status

The source is located in Elkhart County. The following attainment status designations are applicable to Elkhart County:

Pollutant	Designation
O3	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM10	Unclassifiable effective November 15, 1990.
PM2.5	Unclassifiable or attainment effective April 5, 2005.
SO2	Better than national standards.
NO2	Cannot be classified or better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
Pb	Not designated.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.

- (a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) PM2.5
Elkhart County has been classified as attainment for PM2.5. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5

emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants

Elkhart County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

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

Background and Description of New Source Construction

The Office of Air Quality (OAQ) has reviewed an application, submitted by Star Design, LLC on March 30, 2010, relating to the construction and operation of a new stationary custom automotive parts manufacturing and painting source.

The following is a list of the new emission unit(s) and pollution control device(s):

- (a) One (1) Surface Coating Operation for coating plastic automotive parts, identified as SC1, approved for construction in 2010, consisting of one spray coating booth, identified as SB1, having a maximum capacity of two (2) component groups (aka "kits") per hour, equipped with one HVLP/airless spray gun, with particulate emissions controlled by dry filters, and exhausting to stack SCSV1;
- (b) Insignificant activities consisting of the following:
 - (1) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
 - (2) Activities with emissions equal to or less than the following thresholds: five (5.0) tons per year PM or PM10, ten (10.0) tons per year SO₂, NO_x, or VOC, two tenths (0.2) tons per year Pb, one (1.0) ton per year of a single HAP, or two and five tenths (2.5) tons per year of any combination of HAPs:
 - (A) One (1) vacuum thermoforming process for the manufacture of plastic automotive parts, approved for construction in 2010, with a maximum ABS plastic throughput rate of 1,200 pounds per hour, uncontrolled and exhausting inside the building.
 - (3) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
 - (A) Four (4) natural gas fired radiant space heaters, identified as H1 through H4, each constructed in 1969, each with a maximum heat input capacity of one hundred twenty-five thousandths (0.125) MMBtu per hour, and each uncontrolled and exhausting inside the building; and
 - (B) One (1) natural gas fired office air heater, identified as H5, constructed in 1969, with a maximum heat input capacity of six tenths (0.6) MMBtu per hour, uncontrolled and exhausting inside the building.

- (4) Activities associated with production including the following:
 - (A) Application equipment for hot melt adhesives with no VOC in the adhesive formulation; and
 - (B) Air compressors and pneumatically operated equipment, including hand tools.
- (5) Air vents from air compressors;
- (6) Activities performed using hand-held equipment including the following:
 - (A) Application of hot melt adhesives with no VOC in the adhesive formulation;
 - (B) Cutting, excluding cutting torches;
 - (C) Machining wood, metal, or plastic;
 - (D) Drilling;
 - (E) Grinding;
 - (F) Routing;
 - (G) Sanding; and
 - (H) Sawing.
- (7) Portable containers used for the collection, storage, or disposal of materials provided the container capacity is equal to or less than forty-six hundredths (0.46) cubic meters and the container is closed except when the material is added or removed.

Unpermitted Emission Units and Pollution Control Equipment

No unpermitted emission units were discovered operating at this existing source during this review process.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – FESOP

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

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Pollutant	Potential To Emit (tons/year)
PM	6.83
PM10 ⁽¹⁾	6.85
PM2.5	6.83
SO ₂	0.48
NO _x	0.003
VOC	45.43
CO	0.40

(1) Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".

(a) The potential to emit (PTE) (as defined in 326 IAC 2-7-1(29)) of all regulated criteria pollutants are less than one hundred (100) tons per year.

HAPs	Potential To Emit (tons/year)
Xylene	15.32
Ethyl Benzene	4.17
Toluene	2.85
MIBK	0.83
Methanol	0.36
TOTAL HAPs	23.55
"Worst" Single HAP	15.32 (xylene)

(b) The potential to emit (PTE) (as defined in 326 IAC 2-7-1(29)) of any single HAP is greater than ten (10) tons per year, and the PTE of any combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source would have been subject to the provisions of 326 IAC 2-7. However, the source will be issued a New Source Construction Permit (326 IAC 2-5.1-3) and FESOP (326 IAC 2-8), because the source will limit emissions of Single HAPs to less than the Title V major source threshold levels.

PTE of the Entire Source After Issuance of the FESOP

The table below summarizes the potential to emit of the entire source after issuance of this FESOP, reflecting all limits, of the emission units. Any control equipment is considered federally 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.

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Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of FESOP (tons/year)								Total HAPs	Worst Single HAP
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO			
Surface Coating Operations									≤ 24.5 ⁽²⁾	≤ 9.5 ⁽²⁾
Spray Coating Booth 1 (SB1)	6.81	6.81	6.81	0	0	≤ 24.9 ⁽¹⁾	0			
Insignificant Activities										
Natural Gas Combustion	0.01	0.04	0.03	0.48	0.003	0.03	0.40	0.01	0.002 (hexane)	
Fugitive Emissions										
Paved Roads	0.018	0.004	0.001	0	0	0	0	0	0	
Total PTE of Entire Source	6.83	6.85	6.83	0.48	0.003	24.93	0.40	< 25.0⁽¹⁾	< 10.0⁽¹⁾	
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10	
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA	
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". (1) Potential to emit after BACT avoidance limit to render 326 IAC 8-1-6 not applicable. (2) Potential to emit after FESOP limits, pursuant to 326 IAC 2-8.										

(a) **FESOP Status**

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

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

- (a) The input of any single HAP to the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed nine and five tenths (9.5) tons per twelve (12) consecutive month period with compliance determined at the end of each month; and
- (b) The input of any combination of HAPs to the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed twenty-four and five tenths (24.5) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Note: Although the potential to emit any combination of HAPs is less than the Title V Major Source threshold of twenty-five (25) tons per year, this source has elected to limit their total combined HAPs in order to retain maximum operational flexibility and allow room for future growth of their surface coating operation, SC1.

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

(b) PSD Minor Source

This new source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit PM is less than two hundred fifty (250) tons per year, the potential to emit all other attainment regulated pollutants are less than two hundred fifty (250) tons per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM (2M) (326 IAC 12), are not included in the permit, since Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), is specifically exempted from the provisions of this subpart, pursuant to 40 CFR 60.390(b), because the source only coats plastic components that are not attached to a metal body before the body is coated.
- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning, 40 CFR 63, Subpart T (326 IAC 20-6), are not included in the permit, since this source does not use a cold solvent cleaning machine, or any degreasing solvent that contains any of the halogenated compounds, listed in 40 CFR 63.460(a).
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs): Surface Coating of Automobiles and Light-Duty Trucks, 40 CFR 63, Subpart IIII (4I) (326 IAC 20-85), are not included in the permit, since this source is not a major source of HAP emissions and does not topcoat all of the body parts for any single new automobile or new light-duty truck at this facility.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Plastic Parts and Products, 40 CFR 63, Subpart PPPP (4P) (326 IAC 20-81), are not included in the permit, because although this source applies surface coatings to plastic automotive parts, this source is not a major source of HAPs.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs): Reinforced Plastic Composites Production, 40 CFR 63, Subpart WWWW (4W) (326 IAC 20-56), are not included in the permit, since this source is not a major source of HAPs, and does not manufacture reinforced and/or non-reinforced plastic composites or plastic molding compounds using thermoset resins and/or gel coats that contain styrene, to produce plastic composites.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs): Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, 40 CFR 63, Subpart HHHHHH (6H) (326 IAC 20), are not included in the permit, because although this source this source meets the definition of an area source, as defined in 40 CFR § 63.2, and uses spray application methods to coat plastic automotive parts, the coatings used do not contain compounds of cadmium (Cd), chromium (Cr), lead (Pb), manganese (Mn), or nickel (Ni). Additionally, this source does not perform paint stripping using MeCl, and does not conduct any autobody refinishing operations.
- (f) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

Entire Source

- (a) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
PSD applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (b) 326 IAC 2-3 (Emission Offset)
Elkhart County is classified as attainment or unclassifiable in Indiana for all criteria pollutants. Therefore, the requirements of 326 IAC 2-3 (Emission Offset) do not apply to this source, and the requirements are not included in the permit.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The unlimited potential to emit of any single HAP from the vacuum thermoforming and natural gas combustion is less than ten (10) tons per year. Additionally, the unlimited potential to emit of HAPs from the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), is greater than ten (10) tons per year for any single HAP. However, the source shall limit the potential to emit of any single HAP from SB1 to less than ten (10) tons per year. Finally, the unlimited potential to emit total combined HAPs from the entire source is less than twenty-five (25) tons per year. Therefore, the source is not subject to the requirements of 326 IAC 2-4.1. See PTE of the Entire Source After Issuance of the FESOP Section above.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, pursuant to 326 IAC 2-6-1(b), the source is only subject to additional information requests as provided in 436 IAC 2-6-5.
- (e) 326 IAC 2-8-4 (FESOP)
FESOP applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP section above.
- (f) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (g) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive

dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

- (h) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (i) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Surface Coating Operation

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), will use more than five (5) gallons of coatings per day; therefore, pursuant to 326 IAC 6-3-2(d) (Particulate emission limitations, work practices, and control technologies), the particulate matter (PM) from the surface coating operations, including spray paint booth 1 (SB1), shall be controlled by dry particulate filters, waterwash, or equivalent control device, and the source shall operate the control device in accordance with the manufacturer's specifications.
- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The unlimited potential to emit VOCs from the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), are greater than twenty-five (25) tons per year. However, the source has elected to limit the potential to emit VOCs from SB1 to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 do not apply, as follows:

In order to render the requirements of 326 IAC 8-1-6 not applicable, the total VOC input to Spray Paint Booth 1 (SB1), including coatings, dilution solvents, and cleaning solvents, shall not exceed twenty-four and nine tenths (24.9) tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit shall limit the potential to emit VOCs from the Spray Paint Booth 1 (SB1) to less than twenty-five (25) tons per twelve (12) consecutive month period and shall render the provisions of 326 IAC 8-1-6 (New Facilities; VOC Reduction Requirements) not applicable.
- (c) 326 IAC 8-3 (Organic Solvent Degreasing Operations)
The Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), does not include organic solvent degreasing operations, of a type described in subdivisions in 326 IAC 8-3-1(b)(1)(A) through 326 IAC 8-3-1(b)(1)(C). Therefore, 326 IAC 8-3-2 does not apply to the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), and the requirements are not included in this permit.
- (d) There are no other 326 IAC 8 Rules applicable to the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1).

Vacuum Thermoforming

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The potential particulate emissions from the one (1) vacuum thermoforming process are less than five hundred fifty-one thousandths (0.551) pound per hour. Therefore, pursuant to 326 IAC 6-3-1(b)(14) the vacuum thermoforming process is exempt from 326 IAC 6-3, and the requirements are not included in the permit.
- (b) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The unlimited potential to emit VOCs from the vacuum thermoforming operation is less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 do not apply to the vacuum thermoforming operation, and are not included in the permit.

- (c) There are no 326 IAC 8 Rules applicable to the vacuum thermoforming operation.

Natural Gas Combustion

- (a) 326 IAC 4-2-2 (Incinerators)
 The four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater are each not an incinerator, as defined by 326 IAC 1-2-34, since they do not burn waste substances. Therefore, 326 IAC 4-2-2 does not apply to any of the four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, and the requirements are not included in the permit.
- (b) 326 IAC 6-2 (Particulate Emissions from Indirect Heating Units)
 The four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater each do not meet the definition of an indirect heating unit, as defined in 236 IAC 1-2-19. Therefore, 326 IAC 6-2 still does not apply to any of the four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, and the requirements are not included in the permit.
- (c) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
 The four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, each, do not meet the definition of a "manufacturing process", as defined in 326 IAC 6-3-1.5(2). Therefore, the four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, each, are exempt from the requirements of 326 IAC 6-3, and the requirements are not included in the permit.
- (d) 326 IAC 7-1.1 (Sulfur Dioxide Emissions Limitations)
 The potential SO₂ emissions from the four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, each, are less than twenty-five (25) tons per year and ten (10) pounds per hour respectively. Therefore, 326 IAC 7-1.1-2 does not apply to any of the four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, and the requirements are not included in the permit.

Compliance Determination, Monitoring, Testing, Record Keeping, and Reporting Requirements

Compliance Determination

- (a) The Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), has applicable compliance determination requirements, as specified below:

Emission Unit/Control	Operating Parameters	Method
Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1),	HAP and VOC content	Preparing or obtaining the "as supplied" and "as applied" HAP/VOC data sheets
		Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4

- (1) Confirmation of the HAP content of the coatings used in the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), is required to determine compliance with the provisions of 326 IAC 2-8-4 (FESOP).
- (2) Confirmation of the VOC content of the coatings used in the Spray Paint Booth 1 (SB1) is required to render the provisions of 326 IAC 8-1-6 (BACT) not applicable.
- (b) There are no specific compliance determination requirements for the one (1) vacuum thermoforming process, four (4) natural gas-fired radiant space heaters, and one (1) natural gas-

fired office air heater, at this existing source.

Testing requirements

There are no specific testing requirements associated with the one (1) Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), one (1) vacuum thermoforming process, four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, at this source.

Compliance Monitoring Requirements

- (a) The Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), has applicable compliance monitoring requirements, as specified below:

Control	Parameter	Frequency	Range	Excursions & Exceedances
Paint booth dry filters	Inspections	Daily	Normal-Abnormal	Response Steps
Paint booth coating emissions and presence of overspray on the rooftops and the nearby ground	Inspections	Weekly and Monthly	Normal-Abnormal	Response Steps

- (1) These monitoring conditions are necessary because the dry filters for the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1), must operate properly to ensure compliance with 326 IAC 6-3-2(d) (Particulate emission limitations, work practices, and control technologies).
- (b) There are no specific compliance monitoring requirements for the one (1) vacuum thermoforming process, four (4) natural gas-fired radiant space heaters, and one (1) natural gas-fired office air heater, at this existing source

Recordkeeping and Reporting Requirements

- (a) The source shall maintain records of material and solvent usage, clean-up solvent usage, and VOC and HAP content, usage and emissions in order demonstrate compliance with the VOC and HAP limits established for the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1);
- (b) The source shall submit a quarterly summary of the VOC and HAP input into the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1); and
- (c) The source shall maintain records of the once per day dry particulate filter inspections, and the once per week and once per month overspray and coating emissions inspections established for the Surface Coating Operation (SC1), consisting of Spray Paint Booth 1 (SB1).

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on March 30, 2010.

The construction and operation of this source shall be subject to the conditions of the attached proposed New Source Construction and FESOP No. 039-29125-00703. The staff recommends to the Commissioner that this New Source Construction and FESOP be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Ms. Hannah Desrosiers at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5374 or toll free at 1-800-451-6027 extension 4-5374.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

**Appendix A: Emission Calculations
Emissions Summary**

Company Name: Star Design, LLC
Address City IN Zip: 25837 Borg Road, Elkhart, Indiana 46514
Permit Number: 039-29125-00703
Prepared By: D&B Environmental Services, Inc.
Date: June 24, 2010

Process	Uncontrolled Potential Emissions (tons/year)								
	PM	PM10	PM2.5	NOx	SO2	VOC	CO	Total Combined HAPs	Worst-Case HAP
Surface Coating Operations	6.81	6.81	6.81	0	0	45.41	0	23.54	15.32 (Xylene)
Natural Gas Combustion	0.01	0.04	0.03	0.48	0.003	0.03	0.40	0.01	0.002 (Hexane)
Paved Roads	0.018	0.004	0.001	0	0	0	0	0	0
Total	6.83	6.85	6.83	0.48	0.003	45.43	0.40	23.55	15.32 (Xylene)

Total emissions based on rated capacity at 8,760 hours/year.

Individual Hazardous Air Pollutants (tons/year)

Xylene	Toluene	MIBK	Ethyl Benzene	Methanol
15.317	2.854	0.826	4.172	0.363

Xylene is the worst-case individual HAP

**Appendix A: Emission Calculations
VOC, HAP and PM Emissions from Painting**

Company Name: Star Design, LLC
Address City IN Zip: 25837 Borg Road, Elkhart, Indiana 46514
Permit Number: 039-29125-00703
Prepared By: D&B Environmental Services, Inc.
Date: June 24, 2010

Material	Density (lb/gal)	Weight % Volatile (H ₂ O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Max. Material Usage (gal/unit)	Maximum Throughput Capacity (unit/hour)	Material Usage (Lb/Hr)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	PTE VOC (lbs/hour)	PTE VOC (lbs/day)	PTE VOC (tons/year)	PTE PM/PM10 (tons/year)	**Transfer Efficiency	Pounds VOC/gal Solids	PTE PM/PM10 (lbs/hour)
Chroma Premier 42440S	12.86	33.44%	0%	33.44%	0%	40.54%	0.15385	2.000	3.96	4.30	4.30	1.32	31.75	5.80	2.88	75%	10.61	0.66
Chroma Premier 12305S	8.45	35.50%	0%	35.50%	0%	56.94%	0.03846	2.000	0.65	3.00	3.00	0.23	5.54	1.01	0.46	75%	5.27	0.10
Chroma Premier 42475S	7.68	82.03%	0%	82.03%	0%	18.51%	0.05769	2.000	0.89	6.30	6.30	0.73	17.45	3.18	0.17	75%	34.04	0.04
ChromaBase Basecoat 845J	7.91	72.06%	0%	72.06%	0%	20.84%	0.24752	2.000	3.92	5.70	5.70	2.82	67.72	12.36	1.20	75%	27.35	0.27
Basemaker 7175S	6.64	99.40%	9.04%	90.36%	9.08%	0.13%	0.24752	2.000	3.29	6.60	6.00	2.97	71.29	13.01	0.02	75%	4,615.38	0.005
ChromaClear 4700S	8.05	48.45%	0%	48.45%	0%	44.48%	0.15000	2.000	2.42	3.90	3.90	1.17	28.08	5.12	1.36	75%	8.77	0.31
ChromaClear 4507S	8.84	27.15%	0%	27.15%	0%	66.95%	0.05000	2.000	0.88	2.40	2.40	0.24	5.76	1.05	0.71	75%	3.58	0.16
Pure Grade Lacquer (Cleanup)	7.07	100.00%	0%	100.00%	0%	0%	0.06250	2.000	0.88	7.07	7.07	0.88	21.21	3.87	0	100%	0	0
State Potential to Emit												10.37	248.80	45.41	6.81			1.55

** Coating applied using high volume, low pressure (HVLP) spray application and manual cleaning. Overspray is controlled by dry filter

METHODOLOGY

These calculations were submitted by the source and verified to be accurate by IDEN
Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Pounds VOC per Gallon of Solids = [Density (lb/gal) * Weight % Organics] / (Volume % Solids)
PTE VOC (pounds/hour) = Pounds of VOC/Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
PTE VOC (pounds/day) = Pounds of VOC/Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/da)
PTE VOC (tons/year) = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lb)
PTE PM/PM10 (tons/year) = Max. (units/hour) * Gal of Mat (gal/unit) * Density (lbs/gal) * (1-Weight % Volatile) * (1-Transfer efficiency) * 8760 hours/year * 1ton/2000 lb
PTE PM/PM10 (lbs/hour) = Max. (units/hour) * Gal of Mat (gal/unit) * Density (lbs/gal) * (1-Weight % Volatile) * (1-Transfer efficiency)

HAZARDOUS AIR POLLUTANTS

Material	Density (Lb/Gal)	Max. Material Usage (gal/unit)	Maximum Throughput Capacity (unit/hour)	Weight % Ethyl Benzene	Weight % Isocyanate Compounds	Weight % Methanol	Weight % MIBK	Weight % Toluene	Weight % Xylene	Ethyl Benzene Emissions (ton/yr)	Isocyanate Compounds Emissions (ton/yr)	Methanol Emissions (ton/yr)	MIBK Emissions (ton/yr)	Toluene Emissions (ton/yr)	Xylene Emissions (ton/yr)	Total HAP Emissions (ton/yr)
Chroma Premier 42440S	12.86	0.15385	2.000	4.20%	0%	0%	0%	0%	15.00%	0.73	0	0	0	0	2.60	3.33
Chroma Premier 12305S	8.45	0.03846	2.000	0%	0.10%	0%	0%	0%	0%	0	0.003	0	0	0	0	0.003
Chroma Premier 42475S	7.68	0.05769	2.000	0%	0%	0%	0%	0%	0%	0	0	0	0	0	0	0
ChromaBase Basecoat 845J	7.91	0.24752	2.000	13.00%	0%	0%	0%	0%	47.00%	2.23	0	0	0	0	8.06	10.29
Basemaker 7175S	6.64	0.24752	2.000	3.00%	0%	0%	5.00%	2.00%	11.00%	0.43	0	0	0.72	0.29	1.58	3.02
ChromaClear 4700S	8.05	0.15000	2.000	7.40%	0%	0%	1.00%	0%	27.00%	0.78	0	0	0.11	0	2.86	3.74
ChromaClear 4507S	8.84	0.05000	2.000	0%	0.10%	0%	0%	0%	0%	0	0.004	0	0	0	0	0.004
Pure Grade Lacquer (Cleanup)	7.07	0.06250	2.000	0%	0%	9.38%	0%	66.28%	5.59%	0	0	0.36	0	2.57	0.22	3.15
State Potential to Emit										4.17	0.01	0.36	0.83	2.85	15.32	23.54

METHODOLOGY

These calculations were submitted by the source and verified to be accurate by IDEN
HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

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

Company Name: Star Design, LLC
Address City IN Zip: 25837 Borg Road, Elkhart, Indiana 46514
Permit Number: 039-29125-00703
Prepared By: D&B Environmental Services, Inc.
Date: June 24, 2010

Heat Input (MMBtu/hr)	Unit
0.125	Radiant Space Heater (H1)
0.125	Radiant Space Heater (H2)
0.125	Radiant Space Heater (H3)
0.125	Radiant Space Heater (H4)
0.6	Office Air Heater (H5)

Total Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
1.10	9.64

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	5.7	0.6	100.0	5.5	84.0
					**see below		
Potential Emission in tons/yr	0.01	0.04	0.03	2.891E-03	0.48	0.03	0.40

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

Emission Factor in lb/MMcf	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.012E-05	5.782E-06	3.614E-04	8.672E-03	1.638E-05

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	2.409E-06	5.300E-06	6.745E-06	1.831E-06	1.012E-05

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

Total HAPs	9.09E-03
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Methodology

These calculations were submitted by the source and verified to be accurate by IDEM.
 All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas

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

**Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads**

Company Name: Star Design, LLC
Address City IN Zip: 25837 Borg Road, Elkhart, Indiana 46514
Permit Number: 039-29125-00703
Prepared By: D&B Environmental Services, Inc.
Date: June 24, 2010

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (12/2003)

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle (entering plant) (one-way trip)	1.0	5.0	5.0	15.0	75.0	125	0.024	0.1	43.2
Vehicle (leaving plant) (one-way trip)	1.0	5.0	5.0	15.0	75.0	125	0.024	0.1	43.2
			0		0		0	0	0
			0		0		0	0	0
Total			10.0		150.0			0.2	86.4

Average Vehicle Weight Per Trip = $\frac{15.0}{1}$ tons/trip
 Average Miles Per Trip = $\frac{0.02}{1}$ miles/trip

Unmitigated Emission Factor, $E_f = [k * (sL/2)^{0.65} * (W/3)^{1.5} - C]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.082	0.016	0.0024	lb/mi = particle size multiplier (AP-42 Table 13.2.1-1)
W =	15.0	15.0	15.0	tons = average vehicle weight (provided by source)
C =	0.00047	0.00047	0.00047	lb/mi = emission factor for vehicle exhaust, brake wear, and tire wear (AP-42 Table 13.2.1-2)
sL =	0.6	0.6	0.6	g/m ² = Ubiquitous Baseline Silt Loading Values of paved roads (Table 13.2.1-3 for summer)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$
 Mitigated Emission Factor, $E_{ext} = \frac{E_f * [1 - (p/4N)]}{N}$
 where p = $\frac{125}{365}$ days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
 N = 365 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	0.419	0.081	0.012	lb/mile
Mitigated Emission Factor, $E_{ext} =$	0.383	0.074	0.011	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Vehicle (entering plant) (one-way trip)	9.0E-03	1.8E-03	2.5E-04	8.3E-03	1.6E-03	2.3E-04	4.1E-03	8.0E-04	1.2E-04
Vehicle (leaving plant) (one-way trip)	9.0E-03	1.8E-03	2.5E-04	8.3E-03	1.6E-03	2.3E-04	4.1E-03	8.0E-04	1.2E-04
	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	1.8E-02	3.5E-03	5.1E-04	1.7E-02	3.2E-03	4.7E-04	8.3E-03	1.6E-03	2.3E-04

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PTE = Potential to Emit

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/day) = [Maximum trips per day (trip/day)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per day (trip/day)]
 Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lb)
 Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lb)
 Controlled PTE (tons/yr) = [Mitigated PTE (tons/yr)] * [1 - Dust Control Efficiency]

These calculations were submitted by the source and verified to be accurate by IDEM



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Mike Waters
Star Design, LLC
25837 Borg Rd.
Elkhart IN 46516

DATE: June 24, 2010

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

SUBJECT: Final Decision
FESOP
039-29125-00703

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Kevin Gipson GM Star Design, LLC
Doug Elliott D & B Environmental Services, Inc.
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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June 24, 2010

TO: Elkhart Public Library

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

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

Applicant Name: Star Design LLC
Permit Number: 039-29125-00703

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	BMILLER 6/24/2010 Star Design, LLC 039-29125-00703 (final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

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1		Mike Waters Star Design, LLC 25837 Borg Rd Elkhart IN 46516 (Source CAATS) <i>(Via Confirmed Delivery)</i>										
2		Kevin Gipson GM Star Design, LLC 25837 Borg Rd Elkhart IN 46516 <i>(RO CAATS)</i>										
3		Elkhart City Council and Mayors Office 229 South Second Street Elkhart IN 46516 <i>(Local Official)</i>										
4		Elkhart Public Library 300 S 2nd St Elkhart IN 46516-3184 <i>(Library)</i>										
5		Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 <i>(Health Department)</i>										
6		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 <i>(Affected Party)</i>										
7		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 <i>(Local Official)</i>										
8		Mr. Doug Elliott D & B Environmental Services, Inc. 401 Lincoln Way West Osceola IN 46561 <i>(Consultant)</i>										
9		Trustee of the Rev Trust of Louis M. Toth 53348 County Road 9 Elkhart IN 46514 <i>(Affected Party)</i>										
10		Wagner Land Development Co., Inc. 3325 Middlebury Street Elkhart IN 46517 <i>(Affected Party)</i>										
11		Clifford D. Evans 53412 County Road 9 Elkhart IN 46514 <i>(Affected Party)</i>										
12		Schwans Sales Enterprises, Inc. PO Box 35 Marshall MN 56258 <i>(Affected Party)</i>										
13		Plus Three Equity, LLC 2720 E. Jackson Blvd. Elkhart IN 46516 <i>(Affected Party)</i>										
14		Trustee of the Griffen Living Trust 52139 Winding Waters Lane Elkhart IN 46514 <i>(Affected Party)</i>										
15												

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