



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: April 16, 2012

RE: Guardian Automotive Products, Inc. / 033-30853-00022

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 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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 4-21.5-3-7 and IC 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) 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.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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



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**Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY**

**Guardian Automotive Products, Inc.
1900 South Center Street
Auburn, Indiana 46706**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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 2-7 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.

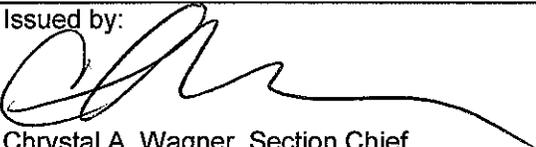
Operation Permit No.: T033-30853-00022	
Issued by:  Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 16, 2012 Expiration Date: April 16, 2017

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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 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary automotive window panel manufacturing operation.

Source Address:	1900 South Center Street, Auburn, Indiana 46706
General Source Phone Number:	(260) 927 2638
SIC Code:	3231
County Location:	DeKalb
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 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 2-7-4(c)(3)][326 IAC 2-7-5(15)]

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

- (a) PVC Priming Cell, one (1) molding/priming cell, priming tempered glass parts using robotic applicators and priming glass with adhesive prior to PVC encapsulation, with a maximum capacity of 97 parts per hour and exhausting through stack K.
- (b) Lami Powder Spray, three (3) surface coating lines constructed in 2001 with a total maximum capacity of 210 parts per hour using air atomization spray, utilizing dry filters as particulate control, exhausting to the interior of the building.
- (c) 467 Printers, one (1) silkscreen process, applying frit paint and silver paint to glass with a maximum capacity of 660 parts (frit) and 250 parts (silver) per hour and exhausting to stack C (frit) and to the interior of the building (silver).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Bonding, one (1) automated bonding operation, priming and bonding molded parts to glass, capable of producing 140 parts per hour and exhausting through stack M. [326 IAC 20]
- (b) Solar Panel Assembly, one (1) fixture assembly area, constructed in 2008, with a maximum throughput of 80 parts per hour including one (1) pre-primer cleaning station and exhausting to the interior of the building. [326 IAC 20]

- (c) East Horizontal Priming, one (1) molding/priming cell, priming tempered glass parts and priming glass with adhesive prior to PVC encapsulation, with a maximum throughput of 78 parts per hour and exhausting through stack N. [326 IAC 20]
- (d) Final Line Priming, one (1) automated priming cell, priming laminated glass products using robotic applicators, with a maximum capacity of 100 parts per hour and exhausting inside the building. [326 IAC 20]
- (e) West Horizontal Priming, one (1) molding/priming cell, priming tempered glass parts and priming glass with adhesive prior to PVC encapsulation, with a maximum throughput of 69 parts per hour and exhausting through stack N [326 IAC 20]
- (f) East Vertical Priming, one (1) priming cell, priming tempered glass products with a maximum throughput of 53 parts per hour and exhausting through stack N. [326 IAC 20]
- (g) West Vertical Priming, one (1) priming cell, priming tempered glass products with a maximum throughput of 180 parts per hour and exhausting through stack N. [326 IAC 20]
- (h) 497 Printers, one (1) silkscreen process, applying frit paint and silver paint to glass with a maximum capacity of 164 parts per hour and exhausting through stack E (silver print room) and stack O (frit paint room). [326 IAC 20]
- (i) Lami Print Rooms, one (1) silkscreen process with an total maximum capacity of 210 parts per hour and exhausting through stack A. [326 IAC 20]
- (j) Lami Side Glass Assembly, one (1) laminated side glass assembly area, applying primer and adhesive to laminated side window glass with a maximum capacity of 70 parts per hour and exhausting to the interior of the building. [326 IAC 20]
- (k) Mirror Line, one (1) electroless plating operation, plating silver onto glass, capacity is 5,650 square feet of mirror coated/plated per hour. [326 IAC 20]
- (l) RIM Molding Cell, one (1) reaction injection molding operation, consisting of the following units:
 - (1) Five (5) application booths, each applying mold release using spray application method, identified as Booths 10, 11, 12, 13, and 14, each capable of processing 40 units per hour, each with a maximum coating throughput of 1.399 lb/hr, each equipped with a dry filter for particulate control, and each exhausting through one (1) stack, identified as stacks I1, I2, I3, I4, and I5, respectively. [326 IAC 20]
- (m) Side Glass Assembly Lubrication, one (1) assembly cell applying a kerosene solvent as a lubricant for a compression over rubber side glass mount component with a maximum capacity of 480 parts per hour and exhausting to the interior of the building. [326 IAC 20]
- (n) White Room Mirror Button Cleaning, one (1) mirror button cleaning operation consisting of multiple small closed ultrasonic cleaners utilizing a cleaning solvent and exhausting into the interior of the building. [326 IAC 20]
- (o) One (1) glass laminating process, identified as Laminating Autoclave #1 with an overall maximum laminating capacity of 309 units/pieces per hour utilizing either automated roller coating of the piece edges to be laminated or manual roller coating of the piece edges with a maximum coating throughput of 0.741 lb/hr, and exhausting through stack B. [326 IAC 20]
- (p) One (1) glass laminating process, identified as Laminating Autoclave #2 with an overall maximum laminating capacity of 155 units/pieces per hour utilizing either automated

roller coating of the piece edges to be laminated or manual roller coating of the piece edges with a maximum coating throughput of 0.372 lb/hr, and vented out of the building. [326 IAC 20]

- (q) One (1) Lami Paint Room Parts Washer. [326 IAC 20]
- (r) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, T033-30853-00022, 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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

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

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

B.5 Severability [326 IAC 2-7-5(5)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

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

and

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

- (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 2-7-5(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

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

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

The Permittee shall implement the PMPs.

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

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM,

OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.11 Emergency Provisions [326 IAC 2-7-16]

- (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.

- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a 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 2-7-5(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 2-7-4(c)(9) 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 2-7 and any other applicable rules.
- (g) 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.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a

compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T033-30853-00022 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

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 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (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 2-7-9(a)(3)]
- (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 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(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 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

- (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 2-7-4. 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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 2-7 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 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) 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 preconstruction approval required by 326 IAC 2-7-10.5 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 2-7-20(b),(c), or (e). 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 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(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 2-7-20(c).

- (d) Alternative Operating Scenarios [326 IAC 2-7-20(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 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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 Part 70 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 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 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 substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

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

B.24 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

- (a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 or a permit modification under 326 IAC 2-7-12 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.

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][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 2-7-5(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 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.3 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.4 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.5 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). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (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. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.8 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 2-7-5(1)][326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.10 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 2-7-5][326 IAC 2-7-6]

C.11 Risk Management Plan [326 IAC 2-7-5(12)] [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.12 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.14 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.15 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (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 2-7-5(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 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

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

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) PVC Priming Cell, one (1) molding/priming cell, priming tempered glass parts using robotic applicators and priming glass with adhesive prior to PVC encapsulation, with a maximum capacity of 97 parts per hour and exhausting through stack K.
- (b) Lami Powder Spray, three (3) surface coating lines constructed in 2001 with a total maximum capacity of 210 parts per hour using air atomization spray, utilizing dry filters as particulate control, exhausting to the interior of the building.
- (c) 467 Printers, one (1) silkscreen process, applying frit paint and silver paint to glass with a maximum capacity of 660 parts (frit) and 250 parts (silver) per hour and exhausting to stack C (frit) and to the interior of the building (silver).

Insignificant Activities:

- (a) Bonding, one (1) automated bonding operation, priming and bonding molded parts to glass, capable of producing 140 parts per hour and exhausting through stack M. [326 IAC 20]
- (b) Solar Panel Assembly, one (1) fixture assembly area, constructed in 2008, with a maximum throughput of 80 parts per hour including one (1) pre-primer cleaning station and exhausting to the interior of the building. [326 IAC 20]
- (c) East Horizontal Priming, one (1) molding/priming cell, priming tempered glass parts and priming glass with adhesive prior to PVC encapsulation, with a maximum throughput of 78 parts per hour and exhausting through stack N. [326 IAC 20]
- (d) Final Line Priming, one (1) automated priming cell, priming laminated glass products using robotic applicators, with a maximum capacity of 100 parts per hour and exhausting inside the building. [326 IAC 20]
- (e) West Horizontal Priming, one (1) molding/priming cell, priming tempered glass parts and priming glass with adhesive prior to PVC encapsulation, with a maximum throughput of 69 parts per hour and exhausting through stack N.[326 IAC 20]
- (f) East Vertical Priming, one (1) priming cell, priming tempered glass products with a maximum throughput of 53 parts per hour and exhausting through stack N. [326 IAC 20]
- (g) West Vertical Priming, one (1) priming cell, priming tempered glass products with a maximum throughput of 180 parts per hour and exhausting through stack N. [326 IAC 20]
- (h) 497 Printers, one (1) silkscreen process, applying frit paint and silver paint to glass with a maximum capacity of 164 parts per hour and exhausting through stack E (silver print room) and stack O (frit paint room). [326 IAC 20]
- (i) Lami Print Rooms, one (1) silkscreen process with an total maximum capacity of 210 parts per hour and exhausting through stack A. [326 IAC 20]

- (j) Lami Side Glass Assembly, one (1) laminated side glass assembly area, applying primer and adhesive to laminated side window glass with a maximum capacity of 70 parts per hour and exhausting to the interior of the building. [326 IAC 20]
- (k) Mirror Line, one (1) electroless plating operation, plating silver onto glass, capacity is 5,650 square feet of mirror coated/plated per hour. [326 IAC 20]
- (l) RIM Molding Cell, one (1) reaction injection molding operation, consisting of the following units:
 - (1) Five (5) application booths, each applying mold release using spray application method, identified as Booths 10, 11, 12, 13, and 14, each capable of processing 40 units per hour, each with a maximum coating throughput of 1.399 lb/hr, each equipped with a dry filter for particulate control, and each exhausting through one (1) stack, identified as stacks I1, I2, I3, I4, and I5, respectively. [326 IAC 20]
- (m) Side Glass Assembly Lubrication, one (1) assembly cell applying a kerosene solvent as a lubricant for a compression over rubber side glass mount component with a maximum capacity of 480 parts per hour and exhausting to the interior of the building. [326 IAC 20]
- (n) White Room Mirror Button Cleaning, one (1) mirror button cleaning operation consisting of multiple small closed ultrasonic cleaners utilizing a cleaning solvent and exhausting into the interior of the building. [326 IAC 20]
- (o) One (1) glass laminating process, identified as Laminating Autoclave #1 with an overall maximum laminating capacity of 309 units/pieces per hour utilizing either automated roller coating of the piece edges to be laminated or manual roller coating of the piece edges with a maximum coating throughput of 0.741 lb/hr, and exhausting through stack B. [326 IAC 20]
- (p) One (1) glass laminating process, identified as Laminating Autoclave #2 with an overall maximum laminating capacity of 155 units/pieces per hour utilizing either automated roller coating of the piece edges to be laminated or manual roller coating of the piece edges with a maximum coating throughput of 0.372 lb/hr, and vented out of the building. [326 IAC 20]
- (q) One (1) Lami Paint Room Parts Washer. [326 IAC 20]
- (r) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2]

(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 2-7-5(1)]

D.1.1 Hazardous Air Pollutants (HAPs) Minor Limit [326 IAC 20] [40 CFR 63]

- (a) The total usage of each individual HAP input to the surface coating, priming, molding (including release), laminating, bonding, printing, assembly, degreasing and cleaning operations at the source shall be limited to less than nine and nine-tenths (9.9) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

- (b) The total usage of any combination of HAPs input to the surface coating, priming, molding (including release), laminating, bonding, printing, assembly, degreasing and cleaning operations at the source shall be limited to less than twenty-four and eighty nine-hundredths (24.89) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits shall ensure that the source is an area source for HAPs, including the unrestricted potential to emit HAPs from all other facilities at the source (natural gas combustion), and shall render 326 IAC 2-4.1 (New Source Toxics Control) not applicable to the source.

D.1.2 Particulate Emission Limitations, Work Practices, and Control Technologies [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating operations, identified as Lami Powder Spray, three (3) surface coating shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for each facility and its 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.1.4 Hazardous Air Pollutants [326 IAC 8-1-2][326 IAC 8-1-4]

Compliance with the HAPs content and usage limitations contained in Condition D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC and HAPs 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.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.5 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAPs usage limits and/or the HAPs emission limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available not later than thirty (30) days of the end of each compliance period.
 - (1) The individual HAP and total HAPs content of each coating material and solvent used less water.
 - (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 individual HAP and total HAPs usage for each month; and
 - (4) The weight of each individual HAP and total HAPs emitted for each compliance period.

- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.1.6 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted 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 meet the requirements of 326 IAC 2-8-5(a)(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Insignificant Activities

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2]

(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 2-7-5(1)]

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), cold cleaner degreasing operation constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Guardian Automotive Products, Inc.
Source Address: 1900 South Center Street, Auburn, Indiana 46706
Part 70 Permit No.: T033-30853-00022

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:

Phone:

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Guardian Automotive Products, Inc.
Source Address: 1900 South Center Street, Auburn, Indiana 46706
Part 70 Permit No.: T033-30853-00022

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Guardian Automotive Products, Inc.
 Source Address: 1900 South Center Street, Auburn, Indiana 46706
 Part 70 Permit No.: T033-30853-00022
 Facility: All surface coating, priming, molding (including release), laminating, bonding, printing, assembly, degreasing and cleaning operations at the source
 Parameter: Single HAP and Combined HAPs
 Limit: (1) 9.9 tons per year of any single HAP
 (2) 24.89 tons year of total HAPs

QUARTER: _____ YEAR: _____

Month	Total Usage This Month (tons)		Total Usage Previous 11 Months (tons)		Total Usage 12 Months (tons)	
	Single HAP	Combined HAPs	Single HAP	Combined HAPs	Single HAP	Combined HAPs
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
 PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Guardian Automotive Products, Inc.
 Source Address: 1900 South Center Street, Auburn, Indiana 46706
 Part 70 Permit No.: T033-30853-00022

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Guardian Automotive Products, Inc.
Source Location:	1900 South Center Street, Auburn, IN 46706
County:	DeKalb
SIC Code:	3231
Permit Renewal No.:	T033-30853-00022
Permit Reviewer:	APT

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Guardian Automotive Products, Inc. relating to the operation of an automotive window panel manufacturing operation. On August 30, 2011, Guardian Automotive Products, Inc. submitted an application to the OAQ requesting to renew its operating permit. Guardian Automotive Products, Inc. was issued its first Part 70 Operating Permit Renewal (T033-23265-00022) on May 29, 2007.

Description of Proposed Modification

Included in the renewal application submitted on August 30, 2011, by Guardian Automotive Products, Inc., was a request to reconfigure and re-designate existing equipment at the source, add two (2) exempt activities, remove four (4) existing units, and to change some of the coatings used, to accommodate the changing consumer needs. These changes have been evaluated by IDEM, OAQ and have been determined to decrease source-wide potential emissions of VOC by 32.22 tons per year and HAPs by 12.57 tons per year, while not having any effect on the other criteria pollutant emissions (see Appendix A, of this document, Emission Calculations, for more detailed information). Therefore, pursuant to 326 IAC 2-7-10.5(b)(1), IDEM, OAQ has determined that a source modification is not necessary to make these changes, and all updates will be completed in this renewal. In addition, the source has agreed to modify the existing minor HAPs limit that was applied to specific lines to include all units (including those that precede rule applicability dates) at the source in order to increase operational flexibility.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) PVC Priming Cell, one (1) molding/priming cell, priming tempered glass parts using robotic applicators and priming glass with adhesive prior to PVC encapsulation, with a maximum capacity of 97 parts per hour and exhausting through stack K.
- (b) Lami Powder Spray, three (3) surface coating lines constructed in 2001 with a total maximum capacity of 210 parts per hour using air atomization spray, utilizing dry filters as particulate control, exhausting to the interior of the building.
- (c) 467 Printers, one (1) silkscreen process, applying frit paint and silver paint to glass with a maximum capacity of 660 parts (frit) and 250 parts (silver) per hour and exhausting to stack C (frit) and to the interior of the building (silver).

Emission Units and Pollution Control Equipment Removed From the Source

The source has removed the following emission units:

Insignificant Activities

- (1) One (1) molding operation, priming tempered glass parts using rollcoat application method with robotic applicators, identified as Molding - GMT 800 LG Auto Prime Line, with a an overall maximum processing capacity of 42 units per hour and with maximum coating throughput of , and exhausting through stack G.
- (2) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour consisting of the following:
 - (1) One (1) tack oven # 2 rated at 0.83 MMBtu/hr.
 - (2) One (1) engineering office heater rated at 0.15 MMBtu/hr.
 - (3) One (1) water heater rated at 0.032 MMBtu/hr.

Insignificant Activities

The source also consists of the following insignificant activities:

- (a) Bonding, one (1) automated bonding operation, priming and bonding molded parts to glass, capable of producing 140 parts per hour and exhausting through stack M. [326 IAC 20]
- (b) Solar Panel Assembly, one (1) fixture assembly area, constructed in 2008, with a maximum throughput of 80 parts per hour including one (1) pre-primer cleaning station and exhausting to the interior of the building. [326 IAC 20]
- (c) East Horizontal Priming, one (1) molding/priming cell, priming tempered glass parts and priming glass with adhesive prior to PVC encapsulation, with a maximum throughput of 78 parts per hour and exhausting through stack N. [326 IAC 20]
- (d) Final Line Priming, one (1) automated priming cell, priming laminated glass products using robotic applicators, with a maximum capacity of 100 parts per hour and exhausting inside the building. [326 IAC 20]
- (e) West Horizontal Priming, one (1) molding/priming cell, priming tempered glass parts and priming glass with adhesive prior to PVC encapsulation, with a maximum throughput of 69 parts per hour and exhausting through stack N[326 IAC 20]
- (f) East Vertical Priming, one (1) priming cell, priming tempered glass products with a maximum throughput of 53 parts per hour and exhausting through stack N. [326 IAC 20]
- (g) West Vertical Priming, one (1) priming cell, priming tempered glass products with a maximum throughput of 180 parts per hour and exhausting through stack N. [326 IAC 20]
- (h) 497 Printers, one (1) silkscreen process, applying frit paint and silver paint to glass with a maximum capacity of 164 parts per hour and exhausting through stack E (silver print room) and stack O (frit paint room). [326 IAC 20]
- (i) Lami Print Rooms, one (1) silkscreen process with an total maximum capacity of 210 parts per hour and exhausting through stack A. [326 IAC 20]

- (j) Lami Side Glass Assembly, one (1) laminated side glass assembly area, applying primer and adhesive to laminated side window glass with a maximum capacity of 70 parts per hour and exhausting to the interior of the building. [326 IAC 20]
- (k) Mirror Line, one (1) electroless plating operation, plating silver onto glass, capacity is 5,650 square feet of mirror coated/plated per hour. [326 IAC 20]
- (l) RIM Molding Cell, one (1) reaction injection molding operation, consisting of the following units:
 - (1) Five (5) application booths, each applying mold release using spray application method, identified as Booths 10, 11, 12, 13, and 14, each capable of processing 40 units per hour, each with a maximum coating throughput of 1.399 lb/hr, each equipped with a dry filter for particulate control, and each exhausting through one (1) stack, identified as stacks I1, I2, I3, I4, and I5, respectively. [326 IAC 20]
- (m) Side Glass Assembly Lubrication, one (1) assembly cell applying a kerosene solvent as a lubricant for a compression over rubber side glass mount component with a maximum capacity of 480 parts per hour and exhausting to the interior of the building. [326 IAC 20]
- (n) White Room Mirror Button Cleaning, one (1) mirror button cleaning operation consisting of multiple small closed ultrasonic cleaners utilizing a cleaning solvent and exhausting into the interior of the building. [326 IAC 20]
- (o) One (1) glass laminating process, identified as Laminating Autoclave #1 with an overall maximum laminating capacity of 309 units/pieces per hour utilizing either automated roller coating of the piece edges to be laminated or manual roller coating of the piece edges with a maximum coating throughput of 0.741 lb/hr, and exhausting through stack B. [326 IAC 20]
- (p) One (1) glass laminating process, identified as Laminating Autoclave #2 with an overall maximum laminating capacity of 155 units/pieces per hour utilizing either automated roller coating of the piece edges to be laminated or manual roller coating of the piece edges with a maximum coating throughput of 0.372 lb/hr, and vented out of the building. [326 IAC 20]
- (q) One (1) Lami Paint Room Parts Washer. [326 IAC 20]
- (r) Usage of following materials at the facility:
 - (i) Windex with maximum usage of 5870 lbs per year.
 - (ii) Mold cleaner # 201B with maximum usage of 1503 pounds per year.
 - (iii) Denatured Alcohol with maximum usage of 891 pound per year.
 - (iv) Lacquer thinner with maximum usage of 74 pounds per year.
 - (v) Sulfur-di-Oxide with maximum usage of 225 pounds per year.
- (s) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour consisting of the following:
 - (1) One (1) flame breakout 55" line rated at 0.01 MMBtu/hr.
 - (2) One (1) flame breakout 80" line rated at 0.01 MMBtu/hr.
 - (3) One (1) shipping receiver space heater, identified as # 1, rated at 4.375 MMBtu/hr.
 - (4) One (1) shipping receiver space heater, identified as # 2, rated at 2.187 MMBtu/hr.
 - (5) One (1) west plant heating unit rated at 2.187 MMBtu/hr.
 - (6) One (1) north plant heating unit rated at 2.187 MMBtu/hr.
 - (7) One (1) 497 furnace draft curtain rated at 0.05 MMBtu/hr.
 - (8) One (1) northeast air make up unit rated at 6.101 MMBtu/hr.
 - (9) One (1) north office space heater rated at 0.131 MMBtu/hr.
 - (10) One (1) center office space heater rated at 0.26 MMBtu/hr.

- (11) One (1) south office space heater rated at 0.131 MMBtu/hr.
- (t) One (1) edge deletion process, approved for construction in 2008, with a maximum throughput of seven hundred thousand (700,000) parts.
- (u) Application of oils, greases, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (v) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 20]
- (w) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (x) Natural draft cooling towers not regulated under a NESHAP.
- (y) Mold release agents using low volatile products (Vapor pressure less than or equal to 2 kilopascals measured at 38 degrees C).

Existing Approvals

Since the issuance of the Part 70 Operating Permit No.: T033-23265-00022 on May 29, 2007, the source has constructed or has been operating under the following additional approvals:

- (a) First Administrative Amendment No.: 033-26245-00022, issued on April 25, 2008;
- (b) Second Administrative Amendment No.: 033-28318-00022, issued on August 21, 2009;
- (c) Significant Permit Modification No.: 033-29795-00022, issued on December 28, 2010.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in DeKalb County.

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

Pollutant	Designation
	¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
	Unclassifiable or attainment effective October 27, 2011, for PM _{2.5} .

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Dekalb County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM_{2.5}**
 Dekalb County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

- (c) **Other Criteria Pollutants**
 Dekalb 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.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	23.82
PM ₁₀	24.26
PM _{2.5}	24.26
SO ₂	0.05
VOC	100.98
CO	6.49
NO _x	7.83
GHG as CO ₂ e	9322.19

HAPs	tons/year
Toluene	15.275
Xylene	0.022
Methanol	3.113
Hexamethylene-1,6-diisocyanate	0.02
Ethylbenzene	0.001
Methyl Methacrylate	0.026
Propylene Oxide	0.025
Dibutylphthalate	1.036
Hydrochloric Acid	0.177
MDI	5.805
2-butoxyethanol	0.15
Natural Gas Combustion HAPs	0.146
Total	25.90

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

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued a Part 70 Operating Permit Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, because the source met the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any new control equipment is considered federally enforceable only after issuance of this Part 70 permit renewal, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)									Worst Single HAP
	PM	PM ₁₀ *	PM _{2.5} **	SO ₂	NO _x	VOC	CO	GHG	Total HAPs	
Surface coating / adhesive application (1)	0.24	0.24	0.24	----	----	99.	----	----	< 24.89	< 9.9
Edge Deletion Process	0.01	0.01	0.01	----	----	----	----	----		
Natural Gas combustion	0.15	0.59	0.59	0.05	7.72	0.42	6.49	9322.19		
Insignificant Cleaning Activities	----	----	----	----	0.11	1.55	----	----		
Total PTE of Entire Source	0.40	0.84	0.84	0.05	7.72	100.78	6.49	9322.19		
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000 CO ₂ e	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000 CO ₂ e	NA	NA
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM ₁₀), not particulate matter (PM), is considered as a "regulated air pollutant". **PM _{2.5} listed is direct PM _{2.5} . (1) Particulate emissions based on 99% control efficiency from dry filters.										

This existing stationary source is not major for PSD because the emissions of each regulated pollutant, excluding GHG, are less than two hundred fifty (<250) tons per year, emissions of GHG are less than one hundred thousand (<100,000) tons of CO₂ equivalent (CO₂e) emissions per year, and it is not in one of the twenty-eight (28) listed source categories.

Federal Rule Applicability

CAM

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing pollutant-specific emission unit that meets the following criteria:
- (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

For this source, no emission unit has potential pre-control emissions of any criteria air pollutant that are equal or greater than 100 tons per year. Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the existing units as part of this Part 70 permit renewal.

NSPS

- (b) The requirements of the New Source Performance Standard, 326 IAC 12 (40 CFR 60.390, Subpart MM) are not included in the permit since the source is not an automobile or light-duty truck assembly plant.

- (c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

NESHAPs

- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants: Parts washer Operation, (326 IAC 20, 40 CFR 63, Subpart T), are not included in this permit for the cold cleaning degreasing operation identified as an insignificant activity because the solvent used in the degreasing operation does not contain any of the following halogenated solvents in concentrations greater than five percent by weight: methylene chloride, 1,1,1-trichloroethane, trichloroethylene, perchloroethylene, carbon tetrachloride, or chloroform.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light Duty Trucks, (326 IAC 20, 40 CFR 63, Subpart IIII), are not included in this permit because the source only engages in priming automotive glass parts, and glass parts are not body parts according to the definition given in 40 CFR 63, Subpart IIII.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart M MMM are not included in the permit since this regulation is applicable to surface coating of miscellaneous metal parts or products, as described in 40 CFR 63.3881 (a)(1). This regulation does not apply to this source since the source does not apply coating to any metal parts or products.
- (g) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)

The source is subject to 326 IAC 1-6-3.

326 IAC 2-2 (Prevention of Significant Deterioration, PSD)

This source is not considered a major source because it does not belong to one of the 28 listed source categories and the unrestricted potential emissions of each attainment criteria pollutant are less than two hundred-fifty (250) tons per year. Therefore, this is a minor source pursuant to 326 IAC 2-2, PSD.

326 IAC 2-6 (Emission Reporting)

This source, not located in Lake, Porter, or LaPorte County, is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit pursuant to 326 IAC 2-7 (Part 70). The potential to emit of VOC and PM10 is less than 250 tons per year; and the potential to emit of CO, NOx, and SO2 is less than 2,500 tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(2), triennial reporting is required. An emission statement shall be submitted in accordance with the compliance schedule in 326 IAC 2-6-3 by July 1, 2013, and every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1)

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

This source is not subject to 326 IAC 6-5, for fugitive particulate matter emissions, because the fugitive particulate matter emissions from this source are negligible.

326 IAC 6.5 PM Limitations Except Lake County

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

326 IAC 6.8 PM Limitations for Lake County

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

State Rule Applicability – Individual Facilities

326 IAC 2-4.1 (New Source Toxics Control)

This source has been limited to an area source of HAPs as follows:

- (a) The total usage of each individual HAP input to the surface coating, priming, molding (including release), laminating, bonding, printing, assembly, degreasing and cleaning operations at the source shall be limited to less than nine and nine-tenths (9.9) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The total usage of any combination of HAPs input to the surface coating, priming, molding (including release), laminating, bonding, printing, assembly, degreasing and cleaning operations at the source shall be limited to less than twenty-four and nine-tenths (24.9) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits shall ensure that the source is an area source for HAPs, including the unrestricted potential to emit HAPs from all other facilities at the source (natural gas combustion), and shall render 326 IAC 2-4.1 (New Source Toxics Control) not applicable to the source.

326 IAC 6-3-2(d) (Particulate emission limitations, work practices, and control technologies)

- (a) Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating operations, identified as Lami Powder Spray Lines 1 through 3, shall each be controlled by a dry particulate filter at all times of operation, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) Pursuant to 326 IAC 6-3-2(d)(4), the East Vertical Priming line is exempt from the requirements of 326 IAC 6-3-2(d) because the coating usage is less than 5 gallons per day.
- (c) The one (1) Edge Deletion operation and the RIM Molding Cell are each a manufacturing processes with potential emissions less than five hundred fifty-one thousandths (0.551) pound per hour. Therefore, pursuant to 6-3-1(b)(14) these operations are exempt from the requirements of 326 IAC 6-3-2.
- (d) All other operations at the source utilize either brush or rollcoat method for application of coating materials and do not emit PM emissions. Therefore, pursuant to 6-3-1(b)(6)-(8) these operations are exempt from the requirements of 326 IAC 6-3-2.

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

326 IAC 8-1-6 (General Reduction Requirements) applies to new facilities (as of January 1, 1980) which have potential emissions of 25 tons or more per year of VOC. Each facility at this source has the potential to emit of VOC below the twenty-five (25) tons per year rule applicability threshold and, therefore, none are subject to the requirements of 326 IAC 8-1-6.

326 IAC 8-2-2 (Automobile and light duty truck coating operations)

This rule establishes emission limitations for automobile and light duty truck surface coating operations which include all passenger car or passenger car derivatives capable of seating twelve (12) or fewer passengers and any motor vehicle rated at 3,864 kilograms (eight thousand five hundred (8,500 pounds) gross weight or less which are designed primarily for the purpose of transportation or are derivatives of such vehicles. No facility at this source applies prime and topcoat coatings on automobile and light duty truck bodies, hoods, fenders, cargo boxes, doors and grill opening panels. Therefore, 326 IAC 8-2-2 does not apply to any facility at this source.

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

326 IAC 8-2-9 (Miscellaneous Metal Coating Operations) is applicable to metal surface coating operations. No facility at this source performs metal surface coating. Therefore, 326 IAC 8-2-9 does not apply to any facility at this source.

326 IAC 8-3-2 (Cold Cleaner Operations)

The source, which is located in DeKalb County and maintains a cold cleaning parts washer with a capacity of less than 145 gallons (i.e., insignificant activities), is subject to the applicable rule requirements since the facilities were constructed after January 1, 1980.

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

The requirements of this rule apply to cold cleaning degreasers that existed as of July 1, 1990, and were located in a specified county, or were constructed after July 1, 1990 and located anywhere in the state. This source, located in DeKalb County which is a non-listed county, is not subject to the rule requirements because the degreaser was installed in 1989, prior to the applicability date of July 1, 1990.

326 IAC 8-6 (Organic Solvent Emission Limitations)

This rule applies to sources commencing operation after October 7, 1974 and prior to January 1, 1980, located anywhere in the state, with potential solvent VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. This source was constructed after January 1, 1980, and is regulated by other provisions of Article 8. Therefore, this rule does not apply to this source.

326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark and Floyd Counties)

The source is located in DeKalb County. Therefore, this rule is not applicable to this source.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet

Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

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

- (a) The Lami Powder Spray, three (3) surface coating lines constructed in 2001, equipped with dust collectors for particulate control, and with before control potential PM emissions of 0.0027 lb/hr, exhaust inside the building and do not have any stack exhaust. Therefore, compliance monitoring is not applicable to these units.

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal be approved. This recommendation is based on the following facts and conditions:

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

An application for the purposes of this review was received on August 30, 2011.

Conclusion

The operation of this stationary automotive window panel manufacturing operation shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No.T033-30853-00022.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Angela Taylor 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) 234-5329 or toll free at 1-800-451-6027 extension 4-5329
- (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
HAPs - Internal Combustion Engines - Diesel Fuel

Company Name: Guardian Automotive Products, Inc
 Address: 1900 S Center St, Auburn, IN 46706
 SIC Code: 3231
 Title V Operating Permit Renewal No.: T033-30853-00022
 Reviewer: APT
 Date: 12/6/2011

Unlimited/Uncontrolled Emissions

Unlimited/Uncontrolled Potential to Emit (tons/year)											
Process Description	Criteria Pollutants							Regulated GHG CO ₂ e	Hazardous Air Pollutants		
	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	VOC	CO		Total HAPs	Worst Case HAP	
All Surface Coating / Adhesive Application	23.67	23.67	23.67	-----	-----	99.01	-----	-----	25.50	Toluene	15.275
Edge Deletion Process	0.01	0.01	0.01	-----	-----	-----	-----	-----	-----	-----	-----
Natural Gas combustion	0.15	0.59	0.59	0.05	7.72	0.42	6.49	9322.19	0.15	Hexane	0.14
Insignificant Cleaning Activities Cleaning	-----	-----	-----	-----	0.11	1.55	-----	-----	0.25	2- Butoxyethanol	0.15
Source-wide Total Potential Emissions	23.82	24.26	24.26	0.05	7.83	100.98	6.49	9322.19	25.90	Toluene	15.28

Limited / controlled (tons/year)										
Process Description	Criteria Pollutants							Regulated GHG CO ₂ e	Hazardous Air Pollutants	
	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	VOC	CO		Total HAPs	Single HAP
All Surface Coating / Adhesive Application	0.24	0.24	0.24	-----	-----	99.01	-----	-----	< 24.89	< 10
Edge Deletion Process	0.01	0.01	0.01	-----	-----	-----	-----			
Natural Gas combustion	0.15	0.59	0.59	0.05	7.72	0.42	6.49	9322.19		
Insignificant Cleaning Activities Cleaning	-----	-----	-----	-----	0.11	1.55	-----	-----		
Source-wide Total controlled/limited Emissions	0.40	0.84	0.84	0.05	7.83	100.98	6.49	9322.19	< 24.89	< 9.9
PSD Significance Levels	250	250	250	250	250	250	250	100,000 CO ₂ e	NA	NA

Appendix A: VOC Emissions Calculations
From Surface Coating Operations

Company Name: Guardian Automotive Products, Inc
Address: 1900 S Center St, Auburn, IN 46706
SIC Code: 3231
Title V Operating Permit Renewal No.: T033-30853-00022
Reviewer: APT
Date: 12/6/2011

Cell / Line	VOC Materials Input / MSDS Rev. Date	Max Material /Unit	units	Max Material / Unit (gallons)	Max Unit / Hour	Density (Lbs/Gal)	Lbs VOC/Gal	Total VOC weight %	Total gr / Hour	VOC lb / Hour	VOC lbs / Year of Material	VOC / YEAR (tons)
1) PVC Priming Cell												
N. Chemlok PP	Chemlok 144 / 080907	6.804	gr	0.002008068	88	7.470	----	87.10%	598.75	1.319	11,553.012	5.031
S. Chemlok PP	Chemlok 144 / 080908	6.804	gr	0.002008068	81	7.470	----	87.10%	551.12	1.214	10,634.023	4.631
43518 PP	Clear Primer 43518 / 082510	4.082	gr	0.001290774	97	6.972	6.940	100.00%	395.95	0.872	7,639.993	3.802
												13.465
2) Bonding												
Priming	Clear Primer 43518 / 082510	0.590	gr	0.000186565	140	6.972	6.940	----	82.60	0.182	1,593.780	0.793
	Black Primer 43520A / 080911	1.451	gr	0.000384669	140	8.316	4.820	----	203.14	0.447	3,919.618	1.136
	Chemlok 144 / 080907	0.324	gr	9.56223E-05	140	7.470	----	87.10%	45.36	0.100	875.228	0.381
Adhesive	Betamate 73005 Structural Adhesive / 072811	26.800	gr	0.005495158	140	10.752	0.030	----	3,752.00	8.264	72,395.419	0.101
	Betamate 73100 Structural Adhesive / 020210	13.608	gr	0.002725339	140	11.008	0.040	----	1,905.12	4.196	36,759.584	0.067
												2.478
3) Solar Panel Assembly												
	Betaseal 16100 / 112408	1.134	gr	0.000342472	80	7.300	6.86	----	90.72	0.200	1,750.456	0.822
	Isopropanol / 101508	10.886	gr	0.003630244	80	6.611	6.611	100.00%	870.88	1.918	16,803.764	8.402
	16070N / 060210	29.937	gr	0.006235813	80	10.584	0.090	----	2,394.96	5.275	46,211.122	0.196
The Works Toilet Bowl Cleaner / 122205	The Works Toilet Bowl Cleaner / 122205	0.907	gr	0.000218058	80	9.170	----	20.00%	72.56	0.160	1,400.056	0.140
												9.561
4) East Horizontal Priming												
	MR-4 Part A Adhesive / 080108	1.814	gr	0.000495931	78	8.064	----	80.40%	141.492	0.312	2,730.110	1.098
	Part B / 080108	0.091	gr	2.11358E-05	78	9.492	----	34.50%	7.098	0.016	136.957	0.024
												1.121
5) Final Line Priming	Clear Primer 43518 / 082510	0.633	gr	0.000200162	100	6.972	6.940	100.00%	63.300	0.139	1,221.383	0.611
												0.611
6) West Horizontal Priming												
	MR-4 Part A Adhesive	1.814	gr	0.000495931	69	8.064	----	80.40%	125.166	0.276	2,415.097	0.971
	Part B	0.091	gr	2.11358E-05	69	9.492	----	34.50%	6.279	0.014	121.154	0.021
												0.992
7) East Vertical Priming Cell												
Primers	EFTec 6000 / 101708	0.100	gr	2.82644E-05	53	7.800	7.722	99.00%	5.300	0.012	102.264	0.051
	EFTec 6001 / 123108	0.100	gr	2.82644E-05	53	7.800	----	67.50%	5.300	0.012	102.264	0.035
	Isopropanol / 101508	2.200	gr	0.000733652	53	6.611	6.611	100.00%	116.600	0.257	2,249.815	1.125
	Betaseal 16100A One Step Primer / 021611	0.600	gr	0.000178947	53	7.392	6.920	----	31.800	0.070	613.586	0.287
	Betaseal 43555 Primer / 030311	0.500	gr	0.000150836	53	7.308	5.900	----	26.500	0.058	511.322	0.206
Adhesives	Betaseal 16070N Urethane Adhesive / 060210	2.800	gr	0.000583234	53	10.584	0.090	----	148.400	0.327	2,863.401	0.012
	A1669B / 052907	1.500	gr	0.000453005	53	7.300	5.360	----	79.500	0.175	1,533.965	0.563
												2.279
8) West Vertical Priming Cell	A1669B / 052907	1.000	gr	0.000302003	180	7.300	5.36	----	180.000	0.396	3,473.128	1.275
												1.275
9) 497 Printers												
	2T50M215-632003 / 110408	34.927	gr	0.003645877	164	21.120	----	16.40%	5728.028	12.617	110,523.183	9.063
	Conductive Silver Paste A6175LE / 072309	3.100	gr	0.000335016	164	20.400	----	0.50%	508.400	1.120	9,809.656	0.025
												9.087
10) Lami Print Rooms												
	Automotive Black Glass Enamel 2T50M215-632003 / 110408	23.814	gr	0.002485839	70	21.120	----	16.40%	1,666.98	3.672	32,164.636	2.638
Per Line X 3												7.913
												7.913
11) Lami Side Glass Assembly												
	Clear Primer 43518 / 082510	0.633	gr	0.000200162	70	6.972	6.940	100.00%	44.310	0.098	854.968	0.427
	Betaseal X2500 A / 121310	6.000	gr	0.001239946	70	10.668	0.080	----	420.000	0.925	8,103.965	0.030
	Betaseal X2500 B / 021611	6.000	gr	0.001301431	70	10.164	0.220	----	420.000	0.925	8,103.965	0.088
												0.546
12) Mirror Line	4851C20001 Sensitizer Solution / 092703	18.700	mg/l	----	----	17.080	----	----	----	0.008	73.890	0.037
												0.037
13) Lami Powder Spray												
	Powder Spray as Applied - Isopropyl Alcohol / 101508	109.316	gr	0.025914056	70	9.300	----	10.60%	7,652.12	16.855	147,648.835	7.825
Per Line X 3												23.476
												23.476
14) 467 Printers												
	2T50M215-IR752 / 102808	18.144	gr	0.001801834	660	22.200	----	12.00%	11975.04	26.377	231,060.243	13.864
	Conductive Silver Paste A6175LE / 072309	6.387	gr	0.000690242	250	20.400	----	0.50%	1596.75	3.517	30,809.537	0.077
												13.941
15) RIM Molding Cell	RCTW-E2108 / 042108	15.876	gr	0.004196717	200	8.34	----	20.00%	3175.200	6.994	61,265.974	6.127
												6.127
16) Side Glass Assembly Lubrication	Calumet 400-500 Solvent / 061703	0.136	gr	4.51822E-05	480	6.636	6.636	100.00%	65.28	0.144	1,259.588	0.630
												0.631
17) White Room (batch process)	H939C / 72068	----	----	----	----	6.539	5.914	----	34.02	0.075	656.402	0.297
18) Lami Paint Room Parts Washer (new unit)	H939C / 72068	----	----	----	----	6.539	5.914	----	34.02	0.075	656.402	0.297
												0.594
18) Laminating - Autoclave #1	Dowanol	1.089	gr	0.000296	309	8.11	8.106	99.00%	336.50	0.74	6,492.839	3.246
19) Laminating - Autoclave #2 (new unit)	Dowanol	1.089	gr	0.000296	155	8.11	8.106	99.00%	168.80	0.37	3,256.926	1.628
												4.875
												99.008

Note: all surface coating processes are wiped on with 100% transfer efficiency except the three (3) Lami Powder Spray Lines. Particulate emissions for the Lami Powder Spray Lines have been calculated and can be found on page 3 of this document.

METHODOLOGY

Potential VOC Tons per Year = Pounds of VOC used per year (lbs) / density of coating (lb/gal) * VOC content (lbs VOC/gal of coating) * (1 ton/2000 lbs); or
 Potential VOC Tons per Year = Pounds of VOC per year (lb/yr) * weight % VOC * (1 ton/2000 lbs)
 Potential VOC pounds per Hour = Grams of Material (grams/unit) * Maximum (units/hr) / 454 (grams/lb)
 Potential VOC pounds per Year = lbs of VOC/hour * 8760 hours/yr
 Total = Worst Coating + Sum of all solvents used

**Appendix A: PM Emissions Calculations
From Surface Coating Operations**

Company Name: Guardian Automotive Products, Inc
Address: 1900 S Center St, Auburn, IN 46706
SIC Code: 3231

Title V Operating Permit Renewal No.: T033-30853-00022

Reviewer: APT

Date: 12/6/2011

Cell / Line	Materials Input / MSDS Rev. Date	Max Material / Unit (grams)	Max Material / Unit (gallons)	Max Throughput Units / Hour	Density (Lbs/Gal)	Total gr / Hour	Weight % Volatile (H2O & Organics)	Volume % Non-Volatiles (solids)	Transfer Efficiency	Particulate Potential (tons/yr)	Control Efficiency	Controlled PM Emissions (tons/yr)
Lami Powder Spray (3 lines)	Powder Spray as Applied - Isopropyl Alcohol / 101508	109.316	0.025914056	70	9.300	7,652.12	78.65%	10.31%	50.00%	23.664	99.00%	0.24

Note: Particulate potential is multiplied by three (3) for the Lami Powder Spray, because there are three(3) identical lines.

METHODOLOGY

Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Maximum Material/Year	Potential Pounds VOC/year	Potential pounds of toluene/year	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential pounds/day	Particulate Potential (ton/yr)
Edge Deletion	NA	NA	NA	NA	NA	NA	NA	0.032	0.006

Note: Calculations based on: maximum production of 700,000 parts, deletion removes a 1mm of material.

Methodology

Maximum Material/Year (Primer) = 700,000 * 1.3 / 1000 * 0.264

Maximum Material/Year (Adhesive) = 700,000 * 30 / 1000 * 2.2046

Particulate

Note: LS-2 Center perimeter: 5938mm (0.0639 sq ft), LS-2 Outer perimeter: 5788mm (0.0623 sq ft)

Expected deposition on Silver Layer: 95 mg/sq ft (0.0639 *95 = 6.07 per part)

Expected deposition on Copper Layer: 25 mg/sq ft (0.0639 * 25 mg/sq ft = 1.60 mg per part)

Silver: (6.07 * 700,000) / 1000 = 4256.8 grams = 9.38 pounds per year

Copper: (1.60 * 700,000) / 1000 = 1122.2 grams = 2.47 pounds per year

Particulate Potential pounds/day = 11.85 pounds / 365 days

Particulate Potential tons/year = (Particulate potential pounds/day * 365) / 2000

Total Controlled PM PTE =	23.670
Total PM PTE =	0.243

Cell / Line	VOC Materials Input / MSDS Rev. Date	Density (Lbs/Gal)	Max Material / Unit (gallons)	Max Throughput Units / Hour	Toluene		Xylene		Methanol		Hexamethylene-1,6 diisocyanate		Ethylbenzene		Methyl Methacrylate		Propylene Oxide		Dibutylphthalate		Hydrochloric Acid		MDI		
					Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %	PTE (tons)	Weight %
1) PVC Priming Cell																									
N. Chemlok PP	Chemlok 144 / 080907	7.470	0.002008068	88	75.0%	4.336	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
S. Chemlok PP	Chemlok 144 / 080908	7.470	0.002008068	81	75.0%	3.991	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
43518 PP	Clear Primer 43518 / 082510	6.972	0.001290774	97	55.0%	2.103	----	----	55.0%	2.103	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2) Bonding																									
Priming	Clear Primer 43518 / 082510	6.972	0.000186565	140	55.0%	0.439	----	----	55.0%	0.439	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Black Primer 43520A / 080911	8.316	0.000384669	140	15.0%	0.294	1.0%	0.020	----	----	1.0%	0.020	----	----	----	----	----	----	----	----	----	----	----	----	----
	Chemlok 144 / 080907	7.470	9.56223E-05	140	75.0%	0.329	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Adhesive	Betamate 73005 Structural Adhesive / 072811	10.752	0.005495158	140	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Betamate 73100 Structural Adhesive / 020210	11.008	0.002725339	140	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	30.0%	5.519	----
3) Solar Panel Assembly																									
	Betaseal 16100 / 112408	7.300	0.000342472	80	95.0%	0.832	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Isopropanol / 101508	6.611	0.003630244	80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Betaseal urethane adhesive 16070N / 060210	10.584	0.006235813	80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1.0%	0.231	----
	The Works Toilet Bowl Cleaner / 122205	9.170	0.000218058	80	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	20.0%	0.140	----	----	----
4) East Horizontal Priming																									
	MR-4 Part A Adhesive / 080108	8.064	0.000495931	78	50.0%	0.683	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Part B / 080108	9.492	2.11358E-05	78	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5) Final Line Priming																									
	Clear Primer 43518 / 082510	6.972	0.000200162	100	55.0%	0.336	----	----	55.0%	0.336	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
6) West Horizontal Priming																									
	MR-4 Part A Adhesive	8.064	0.000495931	69	50.0%	0.604	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	MR-4 Part B Adhesive	9.492	2.11358E-05	69	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7) East Vertical Priming Cell																									
Primers	EFTec 6000 / 101708	7.800	2.82644E-05	53	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	EFTec 6001 / 123108	7.800	2.82644E-05	53	----	----	5.0%	0.003	----	----	1.0%	0.001	1.0%	0.001	----	----	----	----	----	----	----	----	----	----	----
	Isopropanol / 101508	6.611	0.000733652	53	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Betaseal 16100A One Step Primer / 021611	7.392	0.000178947	53	95.0%	0.292	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Betaseal 43555 Primer / 030311	7.308	0.000150836	53	19.0%	0.049	----	----	----	----	----	----	----	----	0.5%	0.001	----	----	----	----	----	----	----	----	----
Adhesives	Betaseal 16070N Urethane Adhesive / 060210	10.584	0.000583234	53	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1.0%	0.014	----
	solvent A1669B / 052907	7.300	0.000453005	53	30.0%	0.230	----	----	----	----	----	----	----	----	1%	0.008	1%	0.008	----	----	----	----	----	----	----
8) West Vertical Priming Cell																									
	solvent A1669B / 052907	7.300	0.000302003	180	30.0%	0.521	----	----	----	----	----	----	----	----	1%	0.017	1%	0.017	----	----	----	----	----	----	----
9) 497 Printers																									
	*Automotive black glass enamel 2T50M215-632003 / 110408	21.120	0.003645877	164	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1%	0.553	----	----	----	----	----
	enamel - Conductive Silver Paste A6175LE / 072309	20.400	0.000335016	164	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10) Lami Print Rooms																									
	*Automotive Black Glass Enamel 2T50M215-632003 / 110408	21.120	0.002485839	70	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1%	0.161	----	----	----	----	----
Per Line X 3																			3%	0.483					
11) Lami Side Glass Assembly																									
	Clear Primer 43518 / 082510	6.972	0.000200162	70	55.0%	0.235	----	----	55.0%	0.235	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Betaseal X2500 A / 121310	10.668	0.001239946	70	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1.0%	0.041	----
	Betaseal X2500 B / 021611	10.164	0.001301431	70	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12) Mirror Line																									
	4851C20001 Sensitizer Solution / 092703	18.7 mg/l	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	15.0%	0.037	----	----	----
13) Lami Powder Spray																									
	Powder Spray as Applied - Isopropyl Alcohol / 101508	9.300	0.025914056	70	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Per Line X 3																									
14) 467 Printers																									
	*Black glass enamel 2T50M215-IR752 / 102808	22.200	0.001801834	660	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
	Conductive Silver Paste A6175LE / 072309	20.400	0.000690242	250	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
15) RIM Molding Cell																									
	RCTW-E2108 / 042108	8.340	0.004196717	200	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
16) Side Glass Assembly Lubrication																									
	Calumet 400-500 Solvent / 061703	6.636	4.51822E-05	480	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17) White Room (batch process)																									
	H939C / 020609	6.594	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Single HAP Totals =					15.275	0.022	3.113	0.020	0.001	0.026	0.025	1.036	0.177	5.805											
Grand Total PTE HAPs					25.501																				

*This coating contains Chromium III Compounds; however, the process does not enable this pollutant to be released into the air, therefore PTE was not calculated for these compounds. The coating physically adheres to the glass and is a premixed coating applied as supplied. The coating is not heated to a temperature that would allow release, nor is it dried and ground up in any way that would enable the chromium compounds to be released into the air.

METHODOLOGY

PTE HAPS (tons/yr) = Density (lb/gal) x Max. Usage (gal/unit) x Max. Throughput (unit/hr) x Weight % HAP x 8760 (hrs/yr) x 1/2000 (ton/lbs)

**Appendix A: Emissions Calculations
Natural Gas Fired Space Heaters**

Company Name: Guardian Automotive Products, Inc
Address: 1900 S Center St, Auburn, IN 46706
SIC Code: 3231
Title V Operating Permit Renewal No.: T033-30853-00022
Reviewer: APT
Date: 12/6/2011

Emission Unit ID	Total Heat Input Capacity (MMBtu/hr)	Total Maximum Potential Throughput (MMCF/yr)
One (1) flame breakout 55" line	0.01	0.09
One (1) flame breakout 80" line	0.01	0.1
One (1) shipping receiver space heater, identified as # 1	4.38	38.33
One (1) shipping receiver space heater, identified as # 2	2.19	19.16
One (1) west plant heating unit	2.19	19.16
One (1) north plant heating unit	2.19	19.16
One (1) 497 furnace draft curtain	0.05	0.44
One (1) northeast air make up unit	6.10	53.44
One (1) north office space heater	0.13	1.15
One (1) center office space heater	0.26	2.28
One (1) south office space heater	0.13	1.15
TOTAL	17.63	154.43

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emission in tons/yr	0.1	0.6	0.6	0.0	7.7	0.4	6.5

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

Methodology
 All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

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	1.622E-04	9.266E-05	5.791E-03	1.390E-01	2.625E-04

Emission Factor in lb/MMcf	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	3.861E-05	8.494E-05	1.081E-04	2.934E-05	1.622E-04

Methodology is the same as criteria pollutant calculations above
 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
0.146

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	9,266	0.2	0.2
Summed Potential Emissions in tons/yr		9,266	
CO2e Total in tons/yr		9,322	

Methodology
 The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
 Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
 Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
 CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

**Appendix A: Emission Calculations
VOC
From Degreasing Operation**

Company Name: Guardian Automotive Products, Inc
Address: 1900 S Center St, Auburn, IN 46706
SIC Code: 3231

Title V Operating Permit Renewal No.: T033-30853-00022

Reviewer: APT

Date: 12/6/2011

Insignificant Activity: Degreaser

Potential Emissions:											
Material (as applied)	Process	Density (Lb/Gal)	Weight % Volatile (H2O& Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Mat (gal/day)	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year
Safety Clean	Degreaser	6.68	100.00%	0.00%	100.00%	0.00%	0.00%	0.175	0.05	1.17	0.21
Total Potential Emissions:									0.05	1.17	0.21

Methodology:

Potential VOC Pounds per Hour = Density (lb/gal) * Gal of Material (gal/day) / 24 hrs/day

Potential VOC Pounds per Day = Density (lb/gal) * Gal of Material (gal/day)

Potential VOC Tons per Year = Density (lb/gal) * Gal of Material (gal/day) * (365 days/yr) * (1 ton/2000 lbs)

Miscellaneous clean-up operations

VOC Emissions

Pollutant	Chemical	Maximum Usage (lb/yr)	Weight Percent VOC (%)	Potential emission rate per wet machine (TPY)
VOC	Windex	5870.000	3.60%	0.106
VOC	Denatured Alcohol	891.000	100.00%	0.446
VOC	Mold Cleaner	1503.000	100.00%	0.752
VOC	Lacquer Thinner	74.000	85.70%	0.032
Total VOC				1.334

NOx Emissions

Pollutant	Chemical	Maximum Usage (lb/yr)	Percent Emitted (%)	Potential emission rate per wet machine (TPY)
NOx	NOx Canisters for tempering furnaces	225.000	100.00%	0.113

HAPs Emissions

Pollutant	Chemical	Maximum Usage (lb/yr)	Weight Percent (%)	Potential emission rate per wet machine (TPY)
Methanol	Denature Alcohol	891.000	17.00%	0.076
2-Butoxyethanol	Windex	5870.000	5.00%	0.147
2-Butoxyethanol	Lacquer Thinner	74.000	5.00%	0.002
Toluene	Lacquer Thinner	74.000	70.00%	0.026
Total HAPs				0.250

METHODOLOGY

Emissions are based on material balance. Maximum material usage and VOC contents are provided by the source; 100% emission is assumed.

Potential Emissions, lbs/hr = Max. Rate (lb/hr) x VOC content (%)

Potential Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/day x 1 ton/2,000 lbs.

Appendix A: Emissions Calculations
Reconfiguration PTE Comparison

Company Name: Guardian Automotive Products, Inc
Address: 1900 S Center St, Auburn, IN 46706
SIC Code: 3231

Title V Operating Permit Renewal No.: T033-30853-00022
Reviewer: APT
Date: 12/6/2011

Grand Total VOC change from modified processes =	-32.223
Grand Total HAP Change from modified processes =	-12.566

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Molding - Auto Prime Line Unit 3	Lami Side Glass Assembly	
VOC	21.35	0.546	-20.804
total HAPs	0.87	0.517	-0.353
worst case single HAP	0.45 (Toluene)	0.235 (Toluene)	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Priming - Auto Prime Line North	Side Glass Assembly Lubrication	
VOC	16.50	0.631	-15.873
total HAPs	11.53	0	-11.533
worst case single HAP	6.46 (Toluene)	0	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Bonding - Automated Bonding Process	Bonding - priming and bonding	
VOC	0.31	2.478	2.17
total HAPs	0.31	7.06	6.75
worst case single HAP	0.154 (Toluene)	5.519 (MDI)	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	fixture assembly area	Solar Panel Assembly	
VOC	0.95	9.561	8.61
total HAPs	0.95	1.203	0.25
worst case single HAP	Toluene 0.832	Toluene 0.832	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	molding line, PVC line unit # 4	East Vertical Priming	
VOC	0.819	2.790	1.97
total HAPs	0.326	0.602	0.28
worst case single HAP	Toluene 0.308	Toluene 0.571	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	molding line, PVC line unit # 5	West Vertical Priming	
VOC	0.819	1.275	0.46
total HAPs	0.326	0.555	0.23
worst case single HAP	Toluene 0.308	Toluene 0.521	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Molding - Mezzanine B	RIM Molding Cell, one (1) reaction injection molding operation	
VOC	9.200	6.127	-3.07
total HAPs	0	0	0.00
worst case single HAP	0	0	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Tempering Silkscreen cleaning	White Room Mirror Button Cleaning	
VOC	12.370	0.294	-12.08
total HAPs	0	0	0.00
worst case single HAP	0	0	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Molding - Manual Prime Line - Unit 2	Final Line Priming	
VOC	19.93	0.611	-19.319
total HAPs	9.49	0.672	-8.818
worst case single HAP	5.91 (Toluene)	0.336 (Toluene)	

PTE	original configuration	new configuration			Net Difference PTE
Pollutant	Molding - GMT 800 POP Out PVC Line - Unit 4	PVC Priming Cell	East Horizontal Priming	West Horizontal Priming	
VOC	14.90	13.465	1.121	0.992	0.678
total HAPs	4.03	4.206	0.683	0.604	1.463
worst case single HAP	3.47 (Toluene)	2.103 (Toluene)	0.683 (Toluene)	0.683 (Toluene)	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Silkscreen process - Tempering - Silver Paint Room	Silkscreen process, Tempering - F497 Black Frit Paint Room	497 Printers, one (1) silkscreen process, applying frit paint and silver paint
VOC	1.3	0.05	9.087
total HAPs	0	0	0.553
worst case single HAP	0	0	Dibutylphthalate 0.553

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Silkscreen process, identified as Laminating - Cutting Paint Room	Lami Print Rooms, silkscreen process	
VOC	4.22	7.913	3.69
total HAPs	0.43	0.483	0.05
worst case single HAP	0.43 (Glycol Ether)	Dibutylphthalate 0.483	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	Coating - Diatomaceous Earth Coating Line -Lines 1, 2 and 3	Lami Powder Spray, three (3) surface coating	
VOC	24.350	24.376	0.03
total HAPs	0	0	0.00
worst case single HAP	0	0	

PTE	original configuration	new configuration	Net Difference PTE
Pollutant	silkscreen process, identified as Tempering - F467 Black Frit Paint Room	467 Printers- silkscreen process	
VOC	0.160	13.900	13.74
total HAPs	0	0	0.00
worst case single HAP	0	0	

PTE	original configuration	new configuration		Net Difference PTE
Pollutant	space heater # 2	northeast air make-up unit	space heater # 2	northeast air make-up unit
VOC	0.100	0.100	0.100	0.100
total HAPs	neg	neg	neg	neg
worst case single HAP	neg	neg	neg	neg

PTE	Removed Units		Net Difference PTE
Pollutant	GMT 800 Auto Prime Line	Insignificant Combustion units (3)	no new unit
VOC	2.11	0.020	-2.13
total HAPs	1.43	0.008	-1.44
worst case single HAP	0.82 (Toluene)	neg.	

PTE	New Insignificant Units		Net Difference PTE
Pollutant	Laminating Autoclave #2	Lami Paint Room Parts Washer	
VOC	1.63	0.294	1.92
total HAPs	na	na	na
worst case single HAP	na	na	na



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 Sorg
Guardian Automotive Products, Inc
1900 S Center St
Auburn, IN 46706-9685

DATE: April 16, 2012

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

SUBJECT: Final Decision
Title V
033-30853-00022

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

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

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

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

Final Applicant Cover letter.dot 11/30/07



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April 16, 2012

TO: Eckhart Public Library

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

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

Applicant Name: Guardian Automotive Products, Inc.
Permit Number: 033-30853-00022

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	CDENNY 4/16/2012 Guardian Automotive Products, Inc 033-30853-00022 (final)		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	Type of Mail: CERTIFICATE OF MAILING ONLY	

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2		Mike Stajkowski Plant Mgr Guardian Automotive Products, Inc 1900 S Center St Auburn IN 46706-9685 (RO CAATS)									
3		Mr. Steve Christman NISWMD 2320 W 800 S, P.O. Box 370 Ashley IN 46705 (Affected Party)									
4		DeKalb County Commissioners 100 South Main Street Auburn IN 46706 (Local Official)									
5		Ms. Diane Leroy 303 N. Jackson St. Auburn IN 46706 (Affected Party)									
6		Mr. Barry Fordanish R#3 1480 CR 66 Auburn IN 46706 (Affected Party)									
7		Mr. Dave Weilbaker 1423 Urban Ave Auburn IN 46706 (Affected Party)									
8		Auburn City Council and Mayors Office P.O. Box 506 Auburn IN 46706-0506 (Local Official)									
9		Dekalb County Health Department 220 E 7th St #110 Auburn IN 46706 (Health Department)									
10		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 (Affected Party)									
11		Brown & Sons Fuel Co. P.O. Box 665 Kendallville IN 46755 (Affected Party)									
12		Mr. Marty K. McCurdy 2550 County Road 27 Waterloo IN 46793 (Affected Party)									
13		Eckhart Public Library 603 S. Jackson Street Auburn IN 46706 (Library)									
14											
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