INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

To:	Interested Parties
Date:	December 18, 2014
From:	Matthew Stuckey, Chief Permits Branch Office of Air Quality
Source Name:	Toyota Boshoku Indiana West
Permit Level:	MSOP
Permit Number:	051-34812-00045
Source Location:	1360 Dolick Drive
Type of Action Taken:	Changes that are administrative in nature

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above.

The final decision is available on the IDEM website at: http://www.in.gov/apps/idem/caats/
To view the document, select Search option 3, then enter permit 34812.

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

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

Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

(continues on next page)

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

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

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

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

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

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Tim Gurren
Toyota Boshoku Indiana West
1360 Dolick Drive
Erlanger, KY 41018

December 18, 2014

Re: 051-34812-00045
Significant Revision to
M051--00045

Dear Mr Gurren:

Toyota Boshoku Indiana West was issued a Minor Source Operating Permit (MSOP) Renewal No. M051-28157-00045 on October 20, 2009, for a stationary plastic vehicle door panel manufacturing plant located at 1698 South 100 West, Princeton, Indiana 47670. On August 7, 2014, the Office of Air Quality (OAQ) received an application from the source requesting the following:

(1) Construct and operate one (1) Door Robot Spray Booth, identified as EU-05;

(2) Construct and operate one (1) Door Manual Spray Booth, identified as EU-06;

(3) Construct and operate one (1) Vacuum Forming Spray Booth, identified as EU-07;

(4) Construct and operate one (1) Aerosol Car Cleaning Operation, identified as EU-08;

(5) Revise the description of the stack ID for the existing Vacuum Forming Spray Booth, identified as EU-04, from Stack ID 05 to Stack ID 04;

(6) Remove (1) spray booth, identified as EU-01, from the facility;

(7) Remove (1) spray booth, identified as EU-02, from the facility; and

(8) Revise the description of the existing spray booth EU-03 from spray booth to Door Manual Spray Booth.

The attached Technical Support Document (TSD) provides additional explanation of the changes to the permit. Pursuant to the provisions of 326 IAC 2-6.1-6, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-6.1-6(i). Pursuant to the provisions of 326 IAC 2-6.1-6, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the

rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

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

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-6.1-6, this permit shall be revised by incorporating the significant permit revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire MSOP as revised. The permit references the below listed attachment. Since this attachment has been provided in previously issued approvals for this source, IDEM OAQ has not included a copy of this attachment with this revision:

Attachment A: 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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

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

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Brandon Miller of my staff at 317-234-5373 or 1-800-451-6027, and ask for extension 4-5373.

Sincerely,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/bdm

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

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Governor

Thomas W. Easterly
Commissioner

Minor Source Operating Permit Renewal
OFFICE OF AIR QUALITY

Toyota Boshoku Indiana West
1698 South 100 West
Princeton, Indiana 47640

(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.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M051-28157-00045	
Issued by: *Original Signed by:* Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 20, 2009 Expiration Date: October 20, 2019

Notice Only-Change No.: 051-29446-00045, issued on August 11, 2010
Administrative Amendment No. 051-33223-00045, issued on October 1, 2013
Administrative Amendment No. 051-34523-00045, issued on May 23, 2014

Significant Permit Revision No. 051-34812-00045	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: December 18, 2014 Expiration Date: October 20, 2019

Table of Contents

SECTION A SOURCE SUMMARY 4

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)] 4
A.2 Emission Units and Pollution Control Equipment Summary 4
A.3 Source Definition [326 IAC 1-2-73] 6

SECTION B GENERAL CONDITIONS 7

B.1 Definitions [326 IAC 2-1.1-1] 7
B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)] 7
B.3 Term of Conditions [326 IAC 2-1.1-9.5] 7
B.4 Enforceability 7
B.5 Severability 7
B.6 Property Rights or Exclusive Privilege 7
B.7 Duty to Provide Information 7
B.8 Reserved 7
B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)] 8
B.10 Preventive Maintenance Plan [326 IAC 1-6-3] 8
B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5] 9
B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)] 9
B.13 Permit Renewal [326 IAC 2-6.1-7] 9
B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6] 10
B.15 Source Modification Requirement 10
B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1] 10
B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6] 11
B.18 Annual Fee Payment [326 IAC 2-1.1-7] 11
B.19 Credible Evidence [326 IAC 1-1-6] 11

SECTION C SOURCE OPERATION CONDITIONS 12

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)] 12
C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2] 12
C.3 Opacity [326 IAC 5-1] 12
C.4 Open Burning [326 IAC 4-1] [IC 13-17-9] 12
C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2] 13
C.6 Fugitive Dust Emissions [326 IAC 6-4] 13
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M] 13

Testing Requirements [326 IAC 2-6.1-5(a)(2)] 14
C.8 Performance Testing [326 IAC 3-6] 14

Compliance Requirements [326 IAC 2-1.1-11] 14
C.9 Compliance Requirements [326 IAC 2-1.1-11] 14

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)] 14
C.10 Compliance Monitoring [326 IAC 2-1.1-11] 14
C.11 Reserved 14
C.12 Instrument Specifications [326 IAC 2-1.1-11] 15

Corrective Actions and Response Steps 15
C.13 Response to Excursions or Exceedances 15
C.14 Actions Related to Noncompliance Demonstrated by a Stack Test 15

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)] 16
C.15 Malfunctions Report [326 IAC 1-6-2] 16
C.16 General Record Keeping Requirements [326 IAC 2-6.1-5] 16

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]. 16

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS 18

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)] 18
D.1.1 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6] 18
D.1.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1] 18
D.1.3 Particulate [326 IAC 6-3-2(d)] 18
D.1.4 Preventive Maintenance Plan [326 IAC 1-6-3] 19

Compliance Determination Requirements 19
D.1.5 VOC and HAP Emissions 19

Record Keeping Requirements [326 IAC 2-6.1-5(a)(2)] 19
D.1.6 Record Keeping Requirements 19

SECTION D.2. EMISSIONS UNIT OPERATION CONDITIONS 21

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)] 22
D.2.1 Particulate [326 IAC 6-3-2] 22
D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3] 22

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS 23

National Emission Standards for Hazardous Air Pollutants (NESHAPs) [40 CFR Part 63] [326 IAC 20] 23
E.1.1 General Provisions Relating to NESHAP [40 CFR Part 63, Subpart A] [326 IAC 20-1] ... 23
E.1.2 NESHAP for [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82] 23

ANNUAL NOTIFICATION 24

MALFUNCTION REPORT 25

Attachment A: 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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 and A.2 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 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary plastic vehicle door panel manufacturing plant.

Source Address:	1698 South 100 West, Princeton, Indiana 47670
General Source Phone Number:	(812) 491-9100
SIC Code:	3089 (Plastics Products, Not Elsewhere Classified)
County Location:	Gibson (Patoka Township)
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source 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

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

(a) One (1) Door Manual Spray Booth, identified as EU-03, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 03.

(b) One (1) Vacuum Forming Spray Booth, identified as EU-04, constructed in 2014, using an HVLP gun to coat plastic parts, with a maximum capacity of 33 parts per hour, using dry filters for overspray control and exhausting at stack ID 04.

(c) One (1) Door Robot Spray Booth, identified as EU-05, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 05.

(d) One (1) Door Manual Spray Booth, identified as EU-06, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 6 parts per hour, using dry filters for overspray control, and exhausting at stack ID 06.

(e) One (1) Vacuum Forming Spray Booth, identified as EU-07, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 07.

(f) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

(g) One (1) spray booth, identified as IA 01, constructed in 2008, approved for modification in 2013, using aerosol cans to coat plastic parts, with a maximum throughput rate of 0.07

gallons of coating per hour, exhausting at stack ID IA01.

(h) One (1) Injection molding line, identified as 2500, constructed in 2009, with a maximum capacity of 720 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(i) One (1) Injection molding line, identified as 3300, constructed in 2009, with a maximum capacity of 840 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(j) One (1) Injection molding line, identified as 950-a, constructed in 2009, with a maximum capacity of 540 of pellets pounds per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(k) One (1) Injection molding line, identified as 950-b, constructed in 2009, with a maximum capacity of 540 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(l) One (1) Injection molding line, identified as 1600, approved for construction in 2013, with a maximum capacity of 675 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

Note: Electricity is used for molding in the above Injection molding process.

(m) One (1) mold release operation, constructed in 2009, with a maximum usage of eight (8) cans per day, using no control.

(n) One (1) Pellet Storage Silo, constructed in 2009, with a maximum throughput of 2,404 pounds per hour, using no control.

Note: This pellet storage silo served all above five (5) Injection molding lines and this is

an enclosed system. The material is pulled to the silo and subsequently to the molding receivers through the injectors by pneumatic system.

(o) One (1) grinder, constructed in 2009, identified as Regrind, with a maximum capacity of 240 pounds of pellets per hour, using filters for control and exhausting indoors.

(p) One (1) 1,000 kW emergency generator burning No. 2 fuel oil, identified as EU 06, installed in 2002.

Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.

(q) Thirty-three (33) natural gas fired heaters, identified as RTU 1-21 and UH 1-12, installed in 2009, with a total maximum capacity of 6.39 MMBtu per hour.

A.3 Source Definition [326 IAC 1-2-73]

The parent company consists of two plants:

(a) Toyota Boshoku Indiana West is located at 1698 South 100 West, Princeton, IN 47640, Plant ID 051-00045; and

(b) Toyota Boshoku Indiana East is located at Southeast of the intersection of CR100W and CR550S (Tulip Tree Drive), Princeton, IN, 47670, Plant ID 51-00050.

IDEM reviewed the relationship between the Toyota Boshoku Indiana East and Toyota Boshoku Indiana West and determined in Registration 051-25558-00050 that was issued September 8, 2008 that they do not meet all three parts of the source definition; and, therefore, are permitted as separate sources.

The two (2) plants are located on contiguous or adjacent property and are under the common control of the same entity but they do not belong to the same industrial grouping, therefore, they are not considered as one (1) source. They do not meet all three of the requirements to be considered as one source.

Toyota Boshoku Indiana East will be supplying its output to Toyota Boshoku Indiana West for the first two years of operation. Gradually, Toyota Boshoku Indiana East will be supplying less than 50% of its output to Toyota Boshoku Indiana West and by the fifth year of operation will not be a support facility to Toyota Boshoku Indiana West (as described in the permit renewal 051-28157-00045).

IDEM, OAQ reexamined the relationship between the sources in the significant permit revision 051-34812-00045 and in the renewal for Toyota Boshoku Indiana East, MSOP Renewal 051-34509-00050. Toyota Boshoku Indiana East has lowered the output that it supplies to Toyota Boshoku Indiana West to 25%. The facilities remain separate sources. IDEM, OAQ will reexamine the relationship between the sources during the next renewal for Toyota Boshoku Indiana West or at any later time.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

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 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, M051-28157-00045, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

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

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

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

B.7 Duty to Provide Information

(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 Reserved

B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 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

(c) The notification 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.

B.10 Preventive Maintenance Plan [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 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.

(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 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to M 051-28157-00045 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(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 one hundred twenty (120) days prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-6.1-7.

B.13 Permit Renewal [326 IAC 2-6.1-7]

(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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least one hundred twenty (120) days 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 2-6.1 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 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 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

(c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

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

B.16 Inspection and Entry
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

(a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

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

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

B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

(b) 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.19 Credible Evidence [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 2-6.1-5(a)(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 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

(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 2-6.1-5(a)(2)]

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

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

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

no later than thirty-five (35) days prior to the intended test date.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Reserved

C.12 Instrument Specifications [326 IAC 2-1.1-11]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.13 Response to Excursions or Exceedances

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

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

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

(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.

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.15 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.16 General Record Keeping Requirements [326 IAC 2-6.1-5]

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

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

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of 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

(b) 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.

(c) 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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Door Manual Spray Booth, identified as EU-03, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 03.

(b) One (1) Vacuum Forming Spray Booth, identified as EU-04, constructed in 2014, using an HVLP gun to coat plastic parts, with a maximum capacity of 33 parts per hour, using dry filters for overspray control and exhausting at stack ID 04.

(c) One (1) Door Robot Spray Booth, identified as EU-05, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 05.

(d) One (1) Door Manual Spray Booth, identified as EU-06, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 6 parts per hour, using dry filters for overspray control, and exhausting at stack ID 06.

(e) One (1) Vacuum Forming Spray Booth, identified as EU-07, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 07.

(f) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

(g) One (1) spray booth, identified as IA 01, constructed in 2008, approved for modification in 2013, using aerosol cans to coat plastic parts, with a maximum throughput rate of 0.07 gallons of coating per hour, exhausting at stack ID IA01.

(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 2-6.1-5(a)(1)]

D.1.1 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

Any change or modification to spray booths IA01, EU-03, EU-04, EU-05, EU-06, and EU-07, and the Aerosol Car Cleaning Operation EU-08 that would increase the potential to emit of VOC for any individual spray booth or aerosol operation to greater than twenty-five (25) tons per year must obtain prior approval from IDEM, OAQ.

D.1.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1]

(a) Any change or modification which would increase the potential to emit of a single HAP greater than ten (10) tons per year must obtain prior approval from IDEM, OAQ.

(b) Any change or modification which would increase the potential to emit of any combination of HAPs greater than twenty-five (25) tons per year must obtain prior approval from IDEM, OAQ.

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

(a) Particulate from the five (5) spray booths, identified as EU-03, EU-04, EU-05, EU-06, and

EU-07, shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:

(1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.1.4 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.1.5 VOC and HAP Emissions

Compliance with the VOC and HAP content and usage limitations contained in Conditions D.1.1 and D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Record Keeping Requirements [326 IAC 2-6.1-5(a)(2)]

D.1.6 Record Keeping Requirements

(a) To document the compliance status with Conditions D.1.1 and D.1.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits and the VOC and HAP emission limits established in Conditions D.1.1 and D.1.2. Records necessary to demonstrate compliance shall be available not later than 30 days of the end of each compliance period.

(1) The amount and VOC and HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The total VOC and HAP usage for each month; and

(3) The weight of VOCs and HAPs emitted for each compliance period.

(b) To document the compliance status with Condition D.1.3(b), the Permittee shall maintain a record of any actions taken if overspray is visibly detected.

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

SECTION D.2. EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(f) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

(h) One (1) Injection molding line, identified as 2500, constructed in 2009, with a maximum capacity of 720 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(i) One (1) Injection molding line, identified as 3300, constructed in 2009, with a maximum capacity of 840 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(j) One (1) Injection molding line, identified as 950-a, constructed in 2009, with a maximum capacity of 540 of pellets pounds per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(k) One (1) Injection molding line, identified as 950-b, constructed in 2009, with a maximum capacity of 540 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

(l) One (1) Injection molding line, identified as 1600, approved for construction in 2013, with a maximum capacity of 675 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

Note: Electricity is used for molding in the above Injection molding process.

(m) One (1) mold release operation, constructed in 2009, with a maximum usage of eight (8) cans per day, using no control.

(n) One (1) Pellet Storage Silo, constructed in 2009, with a maximum throughput of 2,404 pounds

per hour, using no control.

Note: This pellet storage silo served all above five (5) Injection molding lines and this is an enclosed system. The material is pulled to the silo and subsequently to the molding receivers through the injectors by pneumatic system.

(o) One (1) grinder, constructed in 2009, identified as Regrind, with a maximum capacity of 240 pounds of pellets per hour, using filters for control and exhausting indoors.

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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-1(b)(14), the particulate emissions from the aerosol car cleaning operation, each injector of each injection molding lines, and the silo, shall be less than five hundred fifty-one thousandths (0.551) pound per hour

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Generator

(p) One (1) 1,000 kW emergency generator burning No. 2 fuel oil, identified as EU 06 installed in 2002.

Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.

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

National Emission Standards for Hazardous Air Pollutants (NESHAPs) [40 CFR Part 63] [326 IAC 20]

E.1.1 General Provisions Relating to NESHAP [40 CFR Part 63, Subpart A] [326 IAC 20-1]

Pursuant to 40 CFR 63, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions for generator, which are incorporated by reference as 326 IAC 20-1, except as otherwise specified in 40 CFR 63, Subpart ZZZZ.

E.1.2 NESHAP for [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

The existing generator, is subject to the requirements of the 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for, which are incorporated by reference as 326 IAC 20-82, except as otherwise specified in 40 CFR Part 63, Subpart ZZZZ (included as Attachment A of this permit) as follows:

(1) 40 CFR 63.6580
(2) 40 CFR 63.6585
(3) 40 CFR 63.6590(a)(1)(iii)
(4) 40 CFR 63.6603(a)
(5) 40 CFR 63.6604(b)
(6) 40 CFR 63.6605(a), (b)
(7) 40 CFR 63.6645(a)(5)
(8) 40 CFR 63.6655(f)(2)
(9) 40 CFR 63.6675
(10) Table 2d

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

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	Toyota Boshoku Indiana West
Address:	1698 South 100 West
City:	Princeton, Indiana 47640
Phone #:	(812) 491-9100
MSOP #:	M051-28157-00045

I hereby certify that Toyota Boshoku Indiana West is:
- ☐ still in operation.
- ☐ no longer in operation.

I hereby certify that Toyota Boshoku Indiana West is:
- ☐ in compliance with the requirements of MSOP M051-28157-00045.
- ☐ not in compliance with the requirements of MSOP M051-28157-00045.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER: (317) 233-6865

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100 TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_____PHONE NO. ( )_____
LOCATION: (CITY AND COUNTY)_____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP:_____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON:_____
_____

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:_____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____
_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____
_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

_____
_____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Significant Permit Revision to a Minor Source Operating Permit (MSOP)

Source Description and Location

Source Name:	**Toyota Boshoku Indiana West**
Source Location:	**1698 South 100 West, Princeton, Indiana 47670**
County:	**Gibson (Patoka Township)**
SIC Code:	**3089 (Plastics Products, Not Elsewhere Classified)**
Operation Permit No.:	**051-28157-00045**
Operation Permit Issuance Date:	**October 20, 2009**
Significant Permit Revision No.:	**051-34812-00045**
Permit Reviewer:	**Brandon Miller**

On August 7, 2014, the Office of Air Quality (OAQ) received an application from Toyota Boshoku Indiana West related to a modification to an existing stationary plastic vehicle door panel manufacturing plant.

Source Definition

This parent company consists of the following plants:

(a) Toyota Boshoku Indiana West is located at 1698 South 100 West, Princeton, IN 47640, Plant ID 051-00045; and

(b) Toyota Boshoku Indiana East is located at Southeast of the intersection of CR100W and CR550S (Tulip Tree Drive), Princeton, IN, 47670, Plant ID 51-00050.

IDEM reviewed the relationship between these plants in Registration No. 051-25558-00050, which was issued on September 8, 2008. It was determined that both sources were separate source. IDEM reviewed the relationship again in the first MSOP Renewal No. 051-28157-00045 for Toyota Boshoku Indiana West, which was Total Interior Systems America LLC at the time, which was issued on October 20, 2009. In the MSOP Renewal No. 051-28157-00045, it was determined that both sources were separate sources again. In MSOP Renewal No. 051-28157-00045, it was determined that IDEM would reexamine the relationship between the sources in the fifth year or later since the MSOP Renewal approval. This is the reexamination of the relationship between the separate sources.

Toyota Boshoku Indiana operates an East Plant and a West Plant in Princeton. The plants are on the same property. IDEM has reviewed the relationship between the two plants to determine if they meet the definition of a single source. The term "source" is defined at 326 IAC 1-2-73. In order for these two plants to be considered once source they must meet all three of the following:

(1) the plants must be owned or operated by the same person or by persons under common control;
(2) the plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility for the other; and
(3) The plants must be located on the same property, on contiguous, or adjacent properties.

The two plants are owned by Toyota Boshoku Indiana. They are under common ownership and therefore common control. The two plants meet the requirements of the first part of the definition of a source.

The Standard Industrial Classification Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at http://www.osha.gov/pls/imis/sic_manual.html on the internet. The SIC Code is determined by looking at

the principal product or activity of each plant. The principal product of the East Plant is polyurethane foam cushioning for automobile seat manufacturing. It has the two-digit SIC Code 37 for Major Group 37 Transportation Equipment. Major Group 37 includes the four-digit SIC Code 3714, Motor Vehicle Body Manufacturing. The West Plant's principal product is plastic vehicle door panels. It has a two-digit SIC Code 30 for Major Group 30 Rubber and Miscellaneous Plastic Products. Major Group 30 includes the four-digit SIC Code 3089, Plastic Products Not Elsewhere Classified.

A plant is a support facility if it sends 50% or more of its output to another plant. The East Plant sends approximately 25% of its output to the West Plant. The West Plant does not send any output to the East Plant. Since the plants do not have the same two-digit SIC Code and do not have a support relationship, the second part of the source definition is not met.

The two plants are located on the same property, so the third part of the definition is met.

IDEM, OAQ has determined that the East Plant and the West Plant do not meet all three parts of the source definition and are, therefore, still separate sources.

Existing Approvals

The source was issued MSOP Renewal No. 051-28157-00045 on October 20, 2009. The source has since received the following approvals:

(a) Notice-Only Change No. 051-29446-00045, issued on August 11, 2010;

(b) Minor Permit Revision No. 051-33223-00045, issued on October 1, 2013; and

(c) Administrative Amendment No. 051-34523-00045, issued on May 23, 2014.

County Attainment Status

The source is located in Gibson County.

Pollutant	Designation
SO_2	Cannot be classified.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard.[1]
$PM_{2.5}$	Attainment effective October 27, 2011, for the annual $PM_{2.5}$ standard for Montgomery Township. Unclassifiable or attainment effective April 5, 2005, for the annual $PM_{2.5}$ standard for the remainder of the county.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 24-hour $PM_{2.5}$ standard.
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Gibson 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) $PM_{2.5}$
Gibson County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Gibson 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

The fugitive emissions of criteria pollutants, hazardous air pollutants, and greenhouse gases are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.

Status of the Existing Source

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

This PTE table is from the TSD or Appendix A of Administrative Amendment No. 051-34523-00045, issued on May 23, 2014.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)*									
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	GHGs as CO_2e**	Total HAPs	Worst Single HAP
Surface Coating	4.45	4.45	4.45	0.00	0.00	52.87	0.00	0.00	13.71	6.93 (n-Hexane)
Aerosol Can Coating	0.06	0.06	0.06	0.00	0.00	2.33	0.00	0.00	1.50	0.501 (Xylene, Toluene)
Vacuum Form Line	0.18	0.18	0.18	0.00	0.00	8.80	0.00	0.00	0.07	0.07 (Methanol)
Combustion	0.21	0.21	0.21	0.69	2.79	0.15	2.35	3,373.74	0.05	0.05 (Hexane)
Emergency Generator	0.74	0.74	0.74	0.69	10.39	0.84	2.24	386.88	0.01	0.002 (Formaldehyde)
Mold Lines	1.74	1.74	1.74	0.00	0.00	3.37	0.00	0.00	0.00	0.00
Total PTE of Entire Source	**7.37**	**7.37**	**7.37**	**1.37**	**13.19**	**68.38**	**4.59**	**3,760.62**	**15.35**	**6.93 (n-Hexane)**
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA	NA
Subject to Regulation	NA	NA	NA	NA	NA	NA	NA	100,000	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

*These emissions are based upon Appendix A of Administrative Amendment No. 051-34523-00045.
**The 100,000 CO_2e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Toyota Boshoku Indiana West on August 7, 2014, relating to the following:

(1) Construct and operate one (1) Door Robot Spray Booth, identified as EU-05;

(2) Construct and operate one (1) Door Manual Spray Booth, identified as EU-06;

(3) Construct and operate one (1) Vacuum Forming Spray Booth, identified as EU-07;

(4) Construct and operate one (1) Aerosol Car Cleaning Operation, identified as EU-08;

(5) Revise the description of the stack ID for the existing Vacuum Forming Spray Booth, identified as EU-04, from Stack ID 05 to Stack ID 04;

(6) Remove (1) spray booth, identified as EU-01, from the facility;

(7) Remove (1) spray booth, identified as EU-02, from the facility; and

(8) Revise the description of the existing spray booth EU-03 from spray booth to Door Manual Spray Booth.

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

(a) One (1) Door Robot Spray Booth, identified as EU-05, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 05.

(b) One (1) Door Manual Spray Booth, identified as EU-06, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 6 parts per hour, using dry filters for overspray control, and exhausting at stack ID 06.

(c) One (1) Vacuum Forming Spray Booth, identified as EU-07, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 07.

(d) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

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

(e) One (1) Door Manual Spray Booth, identified as EU-03, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 03.

(f) One (1) Vacuum Forming Spray Booth, identified as EU-04, constructed in 2014, using HVLP gun to coat plastic parts, with a maximum capacity of 33 parts per hour, using dry filters for overspray control and exhausting at stack ID 04.

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

(g) One (1) spray booth, identified as EU-01 constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 02.

(h) One (1) spray booth, identified as EU-02 constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 04.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-6.1-6. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Door Robot Spray Booth (EU-05)	1.54	1.54	1.54	0	0	15.67	0	0.70	0.70 Methanol
Door Manual Spray Booth (EU-06)	0.46	0.46	0.46	0	0	4.72	0	0.21	0.21 Methanol
Vacuum Forming Spray Booth (EU-07)	0.40	0.40	0.40	0	0	19.57	0	0.16	0.16 Methanol
Aerosol Car Cleaning Operation	1.50	1.50	1.50	0	0	1.50	0	0.046	0.038 Xylene
Total PTE of Proposed Revision	**3.90**	**3.90**	**3.90**	**0**	**0**	**41.46**	**0**	**1.11**	**1.06 Methanol**

Pursuant to 326 IAC 2-6.1-6(i)(1)(E)(iv), this MSOP is revised through Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit Revision and the proposed revision involves the construction of new emission units with a potential to emit greater than or equal to twenty-five (25) tons per year VOC.

PTE of the Entire Source After Issuance of the MSOP Revision

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

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)									
	PM	PM10*	PM2.5*	SO_2	NOx	VOC	CO	~~GHGs as CO_2e~~**	Total HAPs	Worst Single HAP
Surface Coating **(EU-03, EU-05, EU-06)**	~~4.45~~ **3.48**	~~4.45~~ **3.48**	~~4.45~~ **3.48**	0.00	0.00	~~52.87~~ **38.01**	0.00	~~0.00~~	~~13.71~~ **5.22**	~~6.93 (n-Hexane)~~ **2.31 n-Hexane**
Aerosol Can Coating **(IA01)**	0.06	0.06	0.06	0.00	0.00	2.33	0.00	~~0.00~~	1.50	0.501 ~~(Xylene, Toluene)~~ **Xylene, Toluene**
Vacuum Form Line **(EU-04, EU-07)**	~~0.18~~ **0.58**	~~0.18~~ **0.58**	~~0.18~~ **0.58**	0.00	0.00	~~8.80~~ **28.37**	0.00	~~0.00~~	~~0.07~~ **0.22**	~~0.07 (Methanol)~~ **0.22 Methanol**
Combustion	0.21	0.21	0.21	~~0.69~~ **0.02**	2.79	0.15	2.35	~~3,373.74~~	0.05	0.05 ~~(Hexane)~~ **Hexane**
Emergency Generator	0.74	0.74	0.74	0.69	10.39	0.84	2.24	~~386.88~~	0.01	~~0.002 (Formaldehyde)~~ **0.003 Formaldehyde**
Mold Lines	1.74	1.74	1.74	0.00	0.00	~~3.37~~ **3.36**	0.00	~~0.00~~	0.00	0.00
Aerosol Car Cleaning Operation	**1.50**	**1.50**	**1.50**	**0.00**	**0.00**	**1.50**	**0.00**	~~**0.00**~~	**0.05**	**0.038 Xylene**
Total PTE of Entire Source	~~7.37~~ **8.30**	~~7.37~~ **8.30**	~~7.37~~ **8.30**	~~1.37~~ **0.70**	13.19	~~68.38~~ **74.58**	4.59	~~3,760.62~~	~~15.35~~ **7.06**	~~6.93 (n-Hexane)~~ **2.31 n-Hexane**
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	~~100,000~~	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	~~NA~~	NA	NA
~~Subject to Regulation~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~100,000~~	~~NA~~	~~NA~~
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	NA	NA	NA	~~NA~~	NA	NA

*Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".

Note 1: The surface coating PM, PM10, PM2.5, and VOC potentials to emit are decreasing with the removal of EU-01 and EU-2 and the addition of the new addition of the new spray booths EU-05 and EU-06. This is a result of in a change to the capacity of the new spray booths in comparison to the removed spray booths. The new spray booths have a lower number of units coated per hour than the removed spray booths. As a result, the potential to emit for PM, PM10, PM2.5, and VOC have decreased.

Note 2: On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, case no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators

outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHGs emissions to determine operating permit applicability or PSD applicability to a source or modification.

As a result the GHG emissions have been removed from the potential to emit of the entire source after issuance table.

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this MSOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. Note: The table below was generated from the above table, with bold text un-bolded and strikethrough text deleted.

	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
Process/ Emission Unit	PM	PM10*	PM2.5*	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Surface Coating (EU-03, EU-05, EU-06)	3.48	3.48	3.48	0.00	0.00	38.01	0.00	5.22	2.31 n-Hexane
Aerosol Can Coating (IA01)	0.06	0.06	0.06	0.00	0.00	2.33	0.00	1.50	0.501 Xylene, Toluene
Vacuum Form Line (EU-04, EU-07)	0.58	0.58	0.58	0.00	0.00	28.37	0.00	0.22	0.22 Methanol
Combustion	0.21	0.21	0.21	0.02	2.79	0.15	2.35	0.05	0.05 Hexane
Emergency Generator	0.74	0.74	0.74	0.69	10.39	0.84	2.24	0.01	0.003 Formaldehyde
Mold Lines	1.74	1.74	1.74	0.00	0.00	3.36	0.00	0.00	0.00
Aerosol Car Cleaning Operation	1.50	1.50	1.50	0.00	0.00	1.50	0.00	0.05	0.038 Xylene
Total PTE of Entire Source	**8.30**	**8.30**	**8.30**	**0.70**	**13.19**	**74.58**	**4.59**	**7.06**	**2.31 n-Hexane**
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA
Subject to Regulation	NA	NA	NA	NA	NA	NA	NA	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	NA	NA	NA	NA	NA	NA	NA

*Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".

MSOP Status

(a) This revision to an existing Title V minor stationary source will not change the minor status, because the uncontrolled/unlimited potential to emit criteria pollutants from the entire source will still be less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-6.1 (MSOP).

(b) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the PTE of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

(a) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM (326 IAC 12), are not included for this proposed revision, since this source is not an automobile or light-duty truck assembly plant.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP)

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Automobiles and Light-Duty Trucks, 40 CFR 63.3080, Subpart IIII (326 IAC 20-85), are not included for this proposed revision, since this source is not a major source of HAPs.

(d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Plastic Parts and Products, 40 CFR 63.4480, Subpart PPPP (326 IAC 20-81), are not included for this proposed revision, since this source is not a major source of HAPs.

(e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Paint Stripping and Miscellaneous Surface Coating Operations at Area sources, 40 CFR 63.11169, Subpart HHHHHH, since this source does not perform paint stripping using MeCl for the removal of dried paint, perform spray application of coatings to motor vehicle and mobile equipment, and does not perform spray application of coatings that contain the target HAP as defined in 40 CFR 63.11180.

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

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

(a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.

(b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all PSD regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels.

See PTE of the Entire Source After Issuance of the MSOP Revision Section above.

(c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new units is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

(d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

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

(1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

(g) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.

(h) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

<u>Spray Coating Booths (EU-05 and EU-06)</u>

(a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2(d), the particulate emissions from the spray coating booths, identified as EU-05 and EU-06, shall be controlled by dry particulate filters, waterwash, or an equivalent control device, subject to the following:

(1) The source shall operate the control device in accordance with manufacturer's specifications.

(2) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:

(A) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(B) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

(b) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
The spray coating booths, , identified as EU-05 and EU-06, which were constructed after January 1, 1980, are not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from these booths are less than twenty-five (25) tons per year, each.

(c) 326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations)
The spray coating booths , identified as EU-05 and EU-06, are not subject to the requirements of 326 IAC 8-2-2, because the source does not operate an automobile and light duty truck assembly plant. It operates a surface coating operation for vehicle doors.

(d) 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)
The spray coating booths , identified as EU-05 and EU-06, are not subject to the requirements of 326 IAC 8-2-9, because the source does not coat metal surfaces of large and small farm machinery, small household appliances, office equipment, commercial and industrial machinery and equipment, or any other industrial category that coats metal parts or products under the Standard Industrial Classification (SIC) Code of major groups #33, #34, #35, #36, #37, #38, and #39.

Toyota Boshoku coats plastic surfaces under the SIC Code major group #30. Plastic parts and products are only applicable to sources loated in Lake County or Porter County. This source is located in Gibson County.

<u>Vacuum Forming Spray Booth (EU-07)</u>

(a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2(d), the particulate emissions from the vacuum forming spray booth, identified as EU-07, shall be controlled by dry particulate filters, waterwash, or an equivalent control device, subject to the following:

(1) The source shall operate the control device in accordance with manufacturer's specifications.

(2) If overspray is visibly detected at the exhaust or accumulates on the ground, the source shall inspect the control device and do either of the following no later than four (4) hours after such observation:

(A) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(B) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected, the source shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

(b) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
The vacuum forming spray booth, identified as EU-07, which was constructed after January 1, 1980, is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from this booth is less than twenty-five (25) tons per year.

(c) 326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations)
The vacuum forming spray booth, identified as EU-07, is not subject to the requirements of 326 IAC 8-2-2, because the source does not operate an automobile and light duty truck assembly plant. It operates a surface coating operation for vehicle doors.

(d) 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)
The vacuum forming spray booth, identified as EU-07, is not subject to the requirements of 326 IAC 8-2-9, because the source does not coat metal surfaces of large and small farm machinery, small household appliances, office equipment, commercial and industrial machinery and equipment, or any other industrial category that coats metal parts or products under the Standard Industrial Classification (SIC) Code of major groups #33, #34, #35, #36, #37, #38, and #39. Toyota Boshoku coats plastic surfaces under the SIC Code major group #30. Plastic parts and products are only applicable to sources loated in Lake County or Porter County. This source is located in Gibson County.

Aerosol Car Cleaning Operation

(a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), the aerosol car cleaning operation, identified as EU-08, is exempt from the requirements of 326 IAC 6-3-2 because the booth has potential particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

(b) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
The aerosol car cleaning operation, identified as EU-08, which was constructed after January 1, 1980, is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from this booth is less than twenty-five (25) tons per year.

(c) 326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations)
The aerosol car cleaning operation, identified as EU-08, is not subject to the requirements of 326 IAC 8-2-2, because the source does not operate an automobile and light duty truck assembly plant. It operates a surface coating operation for vehicle doors.

(d) 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)
The aerosol car cleaning operation, identified as EU-08, is not subject to the requirements of 326 IAC 8-2-9, because the source does not coat metal surfaces of large and small farm machinery, small household appliances, office equipment, commercial and industrial machinery and equipment, or any other industrial category that coats metal parts or products under the Standard Industrial Classification (SIC) Code of major groups #33, #34, #35, #36, #37, #38, and #39. Toyota Boshoku coats plastic surfaces under the SIC Code major group #30. Plastic parts and products are only applicable to sources loated in Lake County or Porter County. This source is located in Gibson County.

(e) 326 IAC 8-3-1 (Organic Solvent Degreasing Operations)
Pursuant to 326 IAC 8-3-1(c), the aerosol car cleaning operation, identified as Eu-08, is not subject to the requirements of 326 IAC 8-3 because the car cleaning operation is not a degreaser.

(f) 326 IAC 8-6-1 (Organic Solvent Emission Limitations)
Pursuant to 326 IAC 8-6-1, the aerosol car cleaning operation, identified as EU-08, is not subject to the requirements of 326 IAC 8-6 because it is not an existing source as of January 1, 1980 and located in Lake or Marion County, or a source commencing operation after October 7, 1974, and prior to January 1, 1980, and located anywhere in the state.

(g) There are no 326 IAC 8 Rules that are applicable to the source.

Compliance Determination, Monitoring and Testing Requirements

The existing compliance and testing requirements will not change as a result of this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in MSOP No: 051-34523-00045, issued on May 23, 2014.

Proposed Changes

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

1. The emission unit descriptions for spray booths EU-01 and EU-02 have been removed from the descriptions in Sections A.2 and D.1.

2. Section A.2 and D.1 have been amended with descriptive changes to the name of EU-03 from spray booth to Door Manual Spray Booth and the Stack ID for EU-04 has been changed from 05 to 04.

3. The emission unit descriptions for the new units EU-05, EU-06, EU-07, and EU-08 have been added into Sections A.2 and D.1. Sections A.2 and D.1 have been renumbered as needed for the inclusion of the new units.

4. Condition D.1.1 has been updated to remove EU-01 and EU-02 from the requirement and add in EU-05, EU-06, EU-07, and EU-08 since these units may be applicable to 326 IAC 8-1-6.'

5. Condition D.1.3(a) has been updated to remove EU-01 and EU-02 from the requirement and add in EU-05, EU-06, and EU-07 since these units are subject to 326 IAC 6-3-2(d).

6. As a result of the renumbering in Section A.2, the descriptive information of the affected units described in Sections D.2 and E.1 have been updated with the new numbering as well.

...

A.2 Emission Units and Pollution Control Equipment Summary

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

~~(a) One (1) spray booth, identified as EU-01 constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 02.~~

~~(b) One (1) spray booth, identified as EU-02 constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 04.~~

~~(c)~~**(a)** One (1) ~~spray booth~~**Door Manual Spray Booth**, identified as EU-03, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 03.

~~(d)~~**(b)** One (1) Vacuum Forming Spray Booth, identified as EU-04, constructed in 2014, using an HVLP gun to coat plastic parts, with a maximum capacity of 33 parts per hour, using dry filters for overspray control and exhausting at stack ID ~~05~~**04**.

(c) One (1) Door Robot Spray Booth, identified as EU-05, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 05.

(d) One (1) Door Manual Spray Booth, identified as EU-06, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 6 parts per hour, using dry filters for overspray control, and exhausting at stack ID 06.

(e) One (1) Vacuum Forming Spray Booth, identified as EU-07, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 07.

(f) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

~~(e)~~**(g)** One (1) spray booth, identified as IA 01, constructed in 2008, approved for modification in 2013, using aerosol cans to coat plastic parts, with a maximum throughput rate of 0.07 gallons of coating per hour, exhausting at stack ID IA01.

~~(f)~~**(h)** One (1) Injection molding line, identified as 2500, constructed in 2009, with a maximum capacity of 720 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(g)~~**(i)** One (1) Injection molding line, identified as 3300, constructed in 2009, with a maximum capacity of 840 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(h)~~**(j)** One (1) Injection molding line, identified as 950-a, constructed in 2009, with a maximum capacity of 540 of pellets pounds per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(i)~~**(k)** One (1) Injection molding line, identified as 950-b, constructed in 2009, with a maximum capacity of 540 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(j)~~**(l)** One (1) Injection molding line, identified as 1600, approved for construction in 2013, with

a maximum capacity of 675 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

Note: Electricity is used for molding in the above Injection molding process.

~~(k)~~**(m)** One (1) mold release operation, constructed in 2009, with a maximum usage of eight (8) cans per day, using no control.

~~(l)~~**(n)** One (1) Pellet Storage Silo, constructed in 2009, with a maximum throughput of 2,404 pounds per hour, using no control.

Note: This pellet storage silo served all above five (5) Injection molding lines and this is an enclosed system. The material is pulled to the silo and subsequently to the molding receivers through the injectors by pneumatic system.

~~(m)~~**(o)** One (1) grinder, constructed in 2009, identified as Regrind, with a maximum capacity of 240 pounds of pellets per hour, using filters for control and exhausting indoors.

~~(n)~~**(p)** One (1) 1,000 kW emergency generator burning No. 2 fuel oil, identified as EU 06, installed in 2002.

Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.

~~(o)~~**(q)** Thirty-three (33) natural gas fired heaters, identified as RTU 1-21 and UH 1-12, installed in 2009, with a total maximum capacity of 6.39 MMBtu per hour.

...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

~~(a) One (1) spray booth, identified as EU-01, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 02.~~

~~(b) One (1) spray booth, identified as EU-02, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 04.~~

~~(c)~~**(a)** One (1) ~~spray booth~~**Door Manual Spray Booth**, identified as EU-03, constructed in 2002, using HVLP gun to coat plastic parts, with a maximum capacity of 70 parts per hour, using dry filters for overspray control and exhausting at stack ID 03.

~~(d)~~**(b)** One (1) Vacuum Forming Spray Booth, identified as EU-04, constructed in 2014, using an HVLP gun to coat plastic parts, with a maximum capacity of 33 parts per hour, using dry filters for overspray control and exhausting at stack ID ~~05~~**04**.

(c) One (1) Door Robot Spray Booth, identified as EU-05, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at

stack ID 05.

(d) One (1) Door Manual Spray Booth, identified as EU-06, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 6 parts per hour, using dry filters for overspray control, and exhausting at stack ID 06.

(e) One (1) Vacuum Forming Spray Booth, identified as EU-07, approved in 2014 for construction, using high volume, low pressure (HVLP) guns to coat plastic parts, with a maximum capacity of 43 parts per hour, using dry filters for overspray control, and exhausting at stack ID 07.

(f) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

~~(e)~~**(g)** One (1) spray booth, identified as IA 01, constructed in 2008, approved for modification in 2013, using aerosol cans to coat plastic parts, with a maximum throughput rate of 0.07 gallons of coating per hour, exhausting at stack ID IA01.

(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 2-6.1-5(a)(1)]

D.1.1 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

Any change or modification to spray booths IA01, ~~EU-01, EU-02,~~ EU-03**,** ~~and~~ EU-04**, EU-05, EU-06, and EU-07, and the Aerosol Car Cleaning Operation EU-08** that would increase the potential to emit of VOC for any individual spray booth **or aerosol operation** to greater than twenty-five (25) tons per year must obtain prior approval from IDEM, OAQ.

...

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

(a) Particulate from the ~~four (4)~~**five (5)** spray booths, ~~EU-01, EU-02,~~ **identified as** EU-03**,** ~~and~~ EU-04**, EU-05, EU-06, and EU-07**, shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

...

SECTION D.2. EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(f) One (1) Aerosol Car Cleaning Operation, identified as EU-08, approved in 2014 for construction, using aerosol cans to clean plastic parts, with a maximum throughput rate of 0.14 gallons of coating per hour, and exhausting indoors.

~~(f)~~**(h)** One (1) Injection molding line, identified as 2500, constructed in 2009, with a maximum capacity of 720 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;

(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(g)~~**(i)** One (1) Injection molding line, identified as 3300, constructed in 2009, with a maximum capacity of 840 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(h)~~**(j)** One (1) Injection molding line, identified as 950-a, constructed in 2009, with a maximum capacity of 540 of pellets pounds per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(i)~~**(k)** One (1) Injection molding line, identified as 950-b, constructed in 2009, with a maximum capacity of 540 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

~~(j)~~**(l)** One (1) Injection molding line, identified as 1600, approved for construction in 2013, with a maximum capacity of 675 pounds of pellets per hour, using no control, consisting of the following units:

(1) One (1) Hopper;
(2) One (1) Blender;
(3) One (1) Injector; and
(4) One (1) Molding Receiver.

Note: Electricity is used for molding in the above Injection molding process.

~~(k)~~**(m)** One (1) mold release operation, constructed in 2009, with a maximum usage of eight (8) cans per day, using no control.

~~(l)~~**(n)** One (1) Pellet Storage Silo, constructed in 2009, with a maximum throughput of 2,404 pounds per hour, using no control.

Note: This pellet storage silo served all above five (5) Injection molding lines and this is an enclosed system. The material is pulled to the silo and subsequently to the molding receivers through the injectors by pneumatic system.

~~(m)~~**(o)** One (1) grinder, constructed in 2009, identified as Regrind, with a maximum capacity of 240 pounds of pellets per hour, using filters for control and exhausting indoors.

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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC ~~6-3-2(14)~~**6-3-1(b)(14)**, the particulate ~~matter (PM)~~ **emissions** from **the aerosol car cleaning operation,** each injector of each injection molding lines, and the silo, shall be less than five hundred fifty-one thousandths (0.551) pound per hour

...

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Generator

~~(n)~~**(p)** One (1) 1,000 kW emergency generator burning No. 2 fuel oil, identified as EU 06 installed in 2002.

Under 40 CFR 63, Subpart ZZZZ, this unit is considered an affected facility.

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

...

Additional Changes

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

1. IDEM, OAQ has reviewed the source definition in Section A.3. The result will remain the same but the section is being updated based on the newest review.

2. Section C.17 has two conditions listed as (c). The extra (c) condition that is "Reserved" has been removed.

...

A.3 Source Definition [326 IAC 1-2-73]

...

Toyota Boshoku Indiana East will be supplying its output to Toyota Boshoku Indiana West for the first two years of operation. Gradually, Toyota Boshoku Indiana East will be supplying less than 50% of its output to Toyota Boshoku Indiana West and by the fifth year of operation will not be a support facility to Toyota Boshoku Indiana West **(as described in the permit renewal 051-28157-00045)**.

IDEM, OAQ reexamined the relationship between the sources in the significant permit revision 051-34812-00045 and in the renewal for Toyota Boshoku Indiana East, MSOP Renewal 051-34509-00050. Toyota Boshoku Indiana East has lowered the output that it supplies to Toyota Boshoku Indiana West to 25%. The facilities remain separate sources. IDEM, OAQ will reexamine the relationship between the sources **during the next renewal for Toyota Boshoku Indiana West or at any later time.**~~in the fifth year of Toyota Boshoku Indiana East's operation or at any later time.~~

...

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

...

~~(c) Reserved~~

(c) 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.

...

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on August 7, 2014.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Significant Permit Revision No. 051-34812-00045. The staff recommends to the Commissioner that this MSOP Significant Permit Revision be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Brandon Miller 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) 234-5373 or toll free at 1-800-451-6027 extension 4-5373.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: http://www.in.gov/idem/5881.htm; and the Citizens' Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.

Appendix A: Emissions Calculations
Summary
Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emission Unit	Potential, Uncontrolled Potential to Emit (tons/yr)									
	PM	PM10	PM.25	SO2	NOx	VOC	CO	Co2e	Total HAPs	Single Maximum HAP
Surface Coating (EU-03, EU-05, and EU-06)	3.48	3.48	3.48	0.00	0.00	38.01	0.00	0.00	5.22	2.31 n-Hexane
Aerosol Can Coating (IA01)	0.06	0.06	0.06	0.00	0.00	2.33	0.00	0.00	1.50	0.50 Xylene, Toluene
Vacuum Form Line (EU-04, EU-07)	0.58	0.58	0.58	0.00	0.00	28.37	0.00	0.00	0.22	0.22 Methanol
Combustion	0.21	0.21	0.21	0.02	2.79	0.15	2.35	3,373.74	0.05	0.05 Hexane
Emergency Generator	0.74	0.74	0.74	0.69	10.39	0.84	2.24	386.88	0.01	0.003 Formaldehyde
Mold lines	1.74	1.74	1.74	0.00	0.00	3.36	0.00	0.00	0.00	0.00
Aerosol Car Cleaning Operation	1.50	1.50	1.50	0.00	0.00	1.50	0.00	0.00	0.05	0.038 Xylene
Total	**8.30**	**8.30**	**8.30**	**0.70**	**13.19**	**74.58**	**4.59**	**3,760.62**	**7.06**	**2.31 n-Hexane**

Appendix A: Emissions Calculations
Modification Summary
Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

	Uncontrolled Potential to Emit (tons/year)									
Emission Unit	PM	PM10	PM.25	SO2	NOx	VOC	CO	Co2e	Total HAPs	Single Maximum HAP
Door Robot Spray Booth (EU-05)	1.54	1.54	1.54	0	0	15.67	0	0	0.70	0.70 Methanol
Door Manual Spray Booth (EU-06)	0.46	0.46	0.46	0	0	4.72	0	0	0.21	0.21 Methanol
Vacuum Forming Spray Booth (EU-07)	0.40	0.40	0.40	0	0	19.57	0	0	0.16	0.16 Methanol
Aerosol Car Cleaning Operation (EU-08)	1.50	1.50	1.50	0	0	1.50	0	0	0.046	0.038 Xylene
TOTAL	**3.90**	**3.90**	**3.90**	**0.00**	**0.00**	**41.46**	**0.00**	**0.00**	**1.11**	**1.06** Methanol

Appendix A: Emissions Calculations
VOC and PM/PM10/PM2.5, HAPs

Surface Coating Operations
Booths EU-03, EU-05, and EU-06

Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emission Unit	Material	Maximum Usage Rate (gal/hr)	Maximum Vehicles	Pieces/ Vehicle	Maximum Usage Rate (g/piece)	Density (lb/gal)	wt% VOC	wt% solids	Transfer Efficiency (%)	Potential to Emit (tons/yr)		
										VOC		PM/PM10/ PM2.5
Door Manual Spray Booth (EU-03)	Penguin Cement	0.613				7.17	78%	22%	65%	15.02	17.62	1.48
	Actosolve	0.057				7.34	100%	0%	65%	1.83		0.00
	Isopropyl Alcohol	0.023				7.74	100%	0%	65%	0.77		0.00
Door Robot Spray (EU-05)	Penguin Sunstar 323LH		378,985	4	12.0	7.17	78%	22%	65%	15.61	15.67	1.54
	L-17449	0.002				6.63	100%	0%	65%	0.06		0.00
Door Manual Spray Booth (EU-06)	Penguin Sunstar 323LH		49,794	4	27.3	7.17	78%	22%	65%	4.67	4.72	0.46
	L-17449	0.002				6.63	100%	0%	65%	0.06		0.00
Total										**38.01**		**3.48**

Emission Unit	Material	wt% HAP					Potential to Emit (tons/yr)					
		Xylene	Methanol	Toluene	n-Hexane	Cumene	Xylene	Methanol	Toluene	n-Hexane	Cumene	Total HAPs
Door Manual Spray Booth (EU-03)	Penguin Cement	0%	3%	7%	12%	0%	0.00	0.58	1.35	2.31	0.00	4.24
	Actosolve	2%	0%	0%	0%	2%	0.04	0.00	0.00	0.00	0.04	0.07
	Isopropyl Alcohol	0%	0%	0%	0%	0%	0.00	0.00	0.00	0.00	0.00	0.00
Door Robot Spray (EU-05)	Penguin Sunstar 323LH	0%	4%	0%	0%	0%	0.00	0.70	0.00	0.00	0.00	0.70
	L-17449	0%	0%	0%	0%	0%	0.00	0.00	0.00	0.00	0.00	0.00
Door Manual Spray Booth (EU-06)	Penguin Sunstar 323LH	0%	4%	0%	0%	0%	0.00	0.21	0.00	0.00	0.00	0.21
	L-17449	0%	0%	0%	0%	0%	0.00	0.00	0.00	0.00	0.00	0.00
Total							**0.037**	**1.488**	**1.348**	**2.311**	**0.037**	**5.221**

Methodology

VOC Emissions (tons/yr) = Maximum Usage Rate (gal/hr) x Density (lb/gal) x wt% VOC x 8760 hrs/yr x 1 ton/2,000 lbs
HAP Emissions (tons/yr) = Maximum Usage Rate (gal/hr) x Density (lb/gal) x wt% HAP x 8760 hrs/yr x 1 ton/2,000 lbs
PM/PM10 Emissions (tons/yr) = Maximum Usage Rate (gal/hr) x Density (lb/gal) x wt% solids x (1 - Transfer Efficiency) x 8760 hrs/yr x 1 ton/2,000 lbs

Appendix A: Emissions Calculations
VOC and PM/PM10/PM2.5, HAPs

Surface Coating Operations
Booth IA01
Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emission Unit	Material	Maximum Usage Rate (gal/hr)	Density (lb/gal)	wt% VOC	wt% solids	Transfer Efficiency (%)	Potential to Emit (tons/yr)	
							VOC	PM/PM10/ PM2.5
IA01	Cosmo Color 34 MZ	0.07	8.17	93%	5%	55%	2.330	0.056

Emission Unit	Material	wt% HAP			Potential to Emit (tons/yr)			
		Toluene	Xylene	MIBK	Toluene	Xylene	MIBK	Total
IA01	Cosmo Color 34 MZ	20%	20%	20%	0.501	0.501	0.501	1.503

Methodology
VOC Emissions (tons/yr) = Maximum Usage Rate (gal/hr) x Density (lb/gal) x wt% VOC x 8760 hrs/yr x 1 ton/2,000 lbs
HAP Emissions (tons/yr) = Maximum Usage Rate (gal/hr) x Density (lb/gal) x wt% HAP x 8760 hrs/yr x 1 ton/2,000 lbs
PM/PM10 Emissions (tons/yr) = Maximum Usage Rate (gal/hr) x Density (lb/gal) x wt% solids x (1 - Transfer Efficiency) x 8760 hrs/yr x 1 ton/2,000 lbs

Appendix A: Emissions Calculations
Vacuum Forming Spray Booth - EU-04 and EU-07

Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emission Unit	Material	Maximum Vehicles (per year)	Pieces/ Vehicle	Maximum Usage Rate (g/piece)	Maximum Usage (gal/yr)	Density (lb/gal)	wt% VOC	wt% Methanol	wt% solids	Transfer Efficiency (%)	Potential to Emit (tons/yr)		
											VOC	Methanol	PM/PM10/ PM2.5
Vacuum Forming Spray (EU-04)	Bostik 1211	292,768	2	17.4		6.81	78%	3.0%	22%	65%	8.74	0.07	0.18
	L-17449				17.52	6.63	100%	0.0%	0%	0%	0.06	0.00	0.00
Vacuum Forming Spray (EU-07)	Bostik 1211	378,985	4	15.0		6.81	78%	3.0%	22.0%	65%	19.51	0.16	0.40
	L-17449				17.52	6.63	100%	0.0%	0.0%	0%	0.06	0.00	0.00
Total											**28.37**	**0.22**	**0.58**

Bostik 1211 Emissions
VOC/HAP Emissions (tons/yr) = Maximum Vehicles per year x Pieces/Vehicle x Maximum Usage Rate (g/piece) x 1 kg/1,000 g x 2.2 lb/kg x wt% VOC/HAP x 1 ton/2000 lbs
PM/PM10/PM2.5 Emissions (tons/yr) = Maximum Vehicles per year x Pieces/Vehicle x Maximum Usage Rate (g/piece) x 1 kg/1,000 g x 2.2 lb/kg x wt% solids x (1 - Transfer Efficiency) x 1 ton/2,000 lbs

L-17449 Emissions
VOC Emissions (tons/yr) = Maximum Usage (gal/yr) x Density (lb/gal) x wt% VOC x 1 ton/2,000 lbs

Appendix A: Emissions Calculations
Natural Gas Combustion Only

Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emission Unit ID	No. Units	Total Heat Capacity
RTU-1-7	7	2.8
RTU-8	1	0.3
RTU-9,12	2	0.4
RTU-10	1	0.1
11,14,16,17	4	0.5
RTU-13	1	0.2
RTU-15,20	2	0.5
RTU-18,19	2	0.4
RTU-21	1	0.1
UH-1-8	8	0.8
UH-9	1	0.1
UH-10-12	3	0.2
Total	33	6.4

Heat Input Capacity MMBtu/hr: 6.4
HHV mmBtu/mmscf: 1000
Potential Throughput MMCF/yr: 55.9

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	7.6	7.6	7.6	0.6	100 **see below	5.5	84
Potential to Emit in tons/yr	0.21	0.21	0.21	0.02	2.79	0.15	2.35

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

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	**Total - Organics**
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential to Emit in tons/yr	5.868E-05	3.353E-05	2.096E-03	5.030E-02	9.501E-05	**5.258E-02**

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	**Total - Metals**
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential to Emit in tons/yr	1.397E-05	3.074E-05	3.912E-05	1.062E-05	5.868E-05	**1.531E-04**
					Total HAPs	**5.274E-02**
					Worst HAP	**5.030E-02**

Methodology is the same as 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.

Greenhouse Gas Calculations

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential to Emit in tons/yr	3,353	0.1	0.1
Summed Potential to Emit in tons/yr	3,353		
CO2e Total in tons/yr	3,373.7		

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

Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<=600 HP)

Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emissions calculated based on output rating (hp)

Output Horsepower Rating (kW)	1,000
Output Horsepower Rating (hp)	1341.2
Maximum Hours Operated per Year	500
Potential Throughput (hp-hr/yr)	670,601

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	0.0022	0.0022	0.0022	0.0021	0.0310	0.0025	0.0067
Potential to Emit in tons/yr	0.74	0.74	0.74	0.69	10.39	0.84	2.24

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM10 which is condensable.

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential to Emit in tons/yr	2.19E-03	9.60E-04	6.69E-04	9.18E-05	2.77E-03	1.80E-03	2.17E-04	3.94E-04

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	**9.09E-03**

Green House Gas Emissions (GHG)

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/hp-hr	1.15E+00	4.63E-05	9.26E-06
Potential to Emit in tons/yr	3.86E+02	1.55E-02	3.10E-03

Summed Potential to Emit in tons/yr	**3.86E+02**
CO2e Total in tons/yr	**3.87E+02**

Methodology
Emission Factors are from AP42 (Supplement B 10/96), Tables 3.3-1 and 3.3-2
CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Use a conversion of 25 HP = 18.64 kW as indicated in the 40 CFR 60, subpart IIII and JJJJ
Generator output rating (HP) = 25/18.64 (HP/kW) * 1000 kW
Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [500 Maximum Hours Operated per Year]
Potential to Emit (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]
CO2e (tons/yr) = CO2 Potential to Emit ton/yr x CO2 GWP (1) + CH4 Potential to Emit ton/yr x CH4 GWP (21) + N2O Potential to Emit ton/yr x N2O GWP (310).

Appendix A: Emissions Calculations
VOC and PM/PM10/PM2.5

Injection Molding Lines

Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Mold Unit		Throughput (lb/hr)	Emission Factor (lb/ton)		Uncontrolled Potential to Emit (ton/yr)				Uncontrolled Potential to Emit (lb/hr)
			VOC	PM/PM10/PM2.5	VOC		PM/PM10/PM2.5		PM/PM10/PM2.5
2500	Injector*	720	0.354	0.1368	0.558	0.574	0.216	0.216	0.049
	Molding receiver **		0.01	0	0.016		0.000		0.000
3300	Injector*	840	0.354	0.1368	0.651	0.670	0.252	0.252	0.057
	Molding receiver **		0.01	0	0.018		0.000		0.000
950	Injector*	540	0.354	0.1368	0.419	0.430	0.162	0.162	0.037
	Molding receiver **		0.01	0	0.012		0.000		0.000
950	Injector*	540	0.354	0.1368	0.419	0.419	0.162	0.162	0.037
	Molding receiver **		0.01	0			0.000		0.000
1600	Injector*	675	0.354	0.1368	0.523	0.538	0.202	0.202	0.046
	Molding receiver **		0.01	0	0.015		0.0000		0.000
Silo Storage***		2404	0.01	0.08	0.1	0.05	0.421	0.421	0.096
Total						**2.683**	**1.414**	**1.414**	**0.323**

Methodology
* PM10 & VOC Emissions factor taken from the following technical paper, "Development of Emission Factors for Polypropylene Processing", *Journal of the Air and Waste Management Association*, *Adams, et al.*, Volume 49, January 1999, Page 55, Table 5, Test Run No. 2. Rheology homopolymer (PM of 68.4 ug/g and VOC of 177 ug/g).

** PM10 & VOC Emissions factor taken from the following fact sheet, "Plastic Production and Products Manufacturing Emission Calculation Fact Sheet #9847 (Rev. 11/2005), Michigan DEQ (now MDNRE), Environmental Science and Services Division, November 2005

*** PM & VOC Emissions factor taken from the following fact sheet, "Plastic Production and Products Manufacturing Emission Calculation Fact Sheet #9847 (Rev. 11/2005), Michigan DEQ (now MDNRE), Environmental Science and Services Division, November 2005

Uncontrolled Potential to Emit (ton/yr) = Throughput (lb/hr) x Emission Factor (lb/ton) x 1 ton/2,000 lbs x 8760 hr/yr x 1 ton/2,000 lbs
Uncontrolled Potential to Emit (lb/hr) = Throughput (lb/hr) x Emission Factor (lb/ton) x 1 ton/2,000 lbs
Allowable Emissions (lb/hr) = 4.1 x (Throughput (lb/hr) x 1 ton/2,000 lbs) ^0.67

Note: Storage silo is based on actual throughput and is ramped up based on production.
The remainder of the material not obtained from the silo is obtained from gayloards that are unloaded direclty into the molders.

The mold injection lines and the storage silo are closed systems with no exhaust points.

Mold Release

Usage (can/day)	Volume (oz/can)	wt% VOC	Schedule (hr/day)	VOC (lb/day)	VOC (ton/yr)
8	8.5	56%	16	3.72	0.68

Methodology
VOC Emissions (lb/day) = Usage (can/day) x Volume of can (oz/can) x 1 gal/128 oz x Density (lb/gal) x wt% VOC x 24 hr/day / Operation schedule (hr/day)
VOC Emissions (ton/yr) = VOC Emissions (lb/day) x 365 day/yr x 1 ton/2,000 lbs

Regrind

Emission Unit	Throughput (lb/hr)	Emission Factors (lb/ton)			Emissions (lb/hr)			Emissions (ton/yr)	
		PM	PM10	PM2.5	PM	PM10	PM2.5	PM	PM10/PM2.5
Regrind	240.00	0.62	0.62	0.62	0.07	0.07	0.07	0.33	0.33
Total					**0.07**	**0.07**	**0.07**	**0.33**	**0.33**

Methodology
Uncontrolled Emissions (ton/yr) = Throughput (lb/hr) x Emission Factor (lb/ton) x 1 ton/2,000 lbs x 8760 hr/yr x 1 ton/2,000 lbs
Uncontrolled Emissions (lb/hr) = Throughput (lb/hr) x Emission Factor (lb/ton) x 1 ton/2,000 lbs
Note: The capacity of the regrinder is from the rejection of the materials into the injection lines, which is approximately 10% of the total materials loads from the silo (2404 pounds/hr.)
Emission factor is from AP-42, Table 11.17-4, lime grinding. A factor was not available for PVC grinding; therefore, lime grinding was used as a worst-case emission factor.

Total Mold Injection Emissions

Uncontrolled Emissions (ton/yr)	
VOC	PM/PM10/PM2.5
3.36	1.74

Appendix A: Emissions Calculations
Aerosol Car Cleaning
Company Name: Toyota Boshoku Indiana West
Address: 1698 South 100 West, Princeton, Indiana 47670
Permit No.: 051-28157-00045
Significant Permit Revision: 051-34812-00045
Reviewer: Brandon Miller

Emission Unit	Material	Maximum Usage Rate (gal/hr)	Density (lb/gal)	Weight % VOC	Weight % Xylene	Weight % Ethyl Benzene	Weight % Solids	Transfer Efficiency (%)	Potential to Emit (tons/year)			
									VOC	Xylene	Ethyl Benzene	PM/PM10/ PM2.5
Car Cleaning	Carbrite	0.13	8.35	30%	0%	0%	70%	55%	1.43	0.000	0.000	1.50
	Goof-Off	0.0066	6.65	40%	20%	4%	0%	100%	0.08	0.038	0.008	0.00
	Total:								1.50	0.038	0.008	1.50

VOC Potential to Emit (tons/yr) = Maximum Usage Rate (gal/hr) * Density (lb/gal) * Weight % VOC * (8,760 hrs/yr) * (1 ton/2,000 lbs)
HAP Potential to Emit (tons/yr) = Maximum Usage Rate (gal/hr) * Density (lb/gal) * Weight % HAP * (8,760 hrs/yr) * (1 ton/2,000 lbs)
PM/PM10/PM2.5 Potential to Emit (tons/yr) = Maximum Usage Rate (gal/hr) * Density (lb/gal) * Weight % Solids * (1 - Transfer Efficiency) * (8,760 hrs/yr) * (1 ton/2,000 lbs)

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Governor

Thomas W. Easterly
Commissioner

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

TO: Tim Gurren
Toyota Boshoku Indiana West
1360 Dolick Dr
Erlanger, KY 41018

DATE: December 18, 2014

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

SUBJECT: Final Decision
MSOP
051-34812-00045

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.

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

December 18, 2014

TO: Princeton Public Library

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

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

Applicant Name: Toyota Boshuku Indiana West
Permit Number: 051-34812-00045

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

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

Enclosures
Final Library.dot 6/13/2013

Mail Code 61-53

IDEM Staff	CDENNY 12/18/2014 Toyota Boshoku Indiana West 039-34812-00655 (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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1		Tim Gurren Toyota Boshoku Indiana West 1360 Dolick Dr Erlanger KY 41018 (Source CAATS)									
2		Ted Smith Plant Manager Toyota Boshoku Indiana West 1360 Dolick Dr Erlanger KY 41018 *(RO CAATS)*									
3		Jefferson Co Dept of Planning & Environmental Mgt 850 Barret Avenue Louisville KY 40204 *(Affected State)*									
4		Princeton City Council and Mayors Office 603 South Main Street Princeton IN 47670 *(Local Official)*									
5		Princeton Public Library 130 S Hart St Princeton IN 47670-2198 *(Library)*									
6		Gibson County Health Department 203 S Prince Street, Suite A Princeton IN 47670 *(Health Department)*									
7		Eric Anderson 25 Atlantic Avenue Erlanger KY 41018 *(Affected Party)*									
8		Gibson County Commissioners 101 N. Main Street Princeton IN 47670 *(Local Official)*									
9		Oakland City Town Council and Mayors Office 301 S Franklin Street Oakland City IN 47660 *(Local Official)*									
10		Mr. Mark Wilson Evansville Courier & Press P.O. Box 268 Evansville IN 47702-0268 *(Affected Party)*									
11		Holly Argiris Environmental Resources Management (ERM) 11350 N. Meridian, Ste 320 Carmel IN 46032 *(Consultant)*									
12		Mr. Bil Musgrove PO Box 520 Chandler IN 47610 *(Affected Party)*									
13		David Boggs 216 Western Hills Dr Mt Vernon IN 47620 (Affected Party)									
14		John Blair 800 Adams Ave Evansville IN 47713 *(Affected Party)*									
15											

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