



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

To: Interested Parties

Date: July 11, 2014

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

Source Name: Honda Manufacturing of Indiana, LLC

Permit Level: Significant Permit Modification

Permit Number: 031-34340-00026

Source Location: 2755 North Michigan, Greensburg, Indiana

Type of Action Taken: Revisions to permit requirements

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 34340.

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 13-17-3-4 and 326 IAC 2, this permit modification is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

(continues on next page)

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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



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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Mr. Jeffrey Loeffler
Honda Manufacturing of Indiana, LLC
2755 North Michigan Avenue
Greensburg, IN 47240

July 11, 2014

Re:031-34340-00026
Significant Permit Modification to
Part 70 (Renewal) No.: T031-30127-00026

Dear Mr. Loeffler

Honda Manufacturing of Indiana, LLC was issued Part 70 Operating Permit Renewal No. T031-30127-00026 on February 21, 2012 for an automotive and light-duty truck assembly facility located at 2755 North Michigan Avenue, Greensburg, Indiana 47240. An application requesting changes to this permit was received on March 24, 2014. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

For your convenience, the entire Part 70 Operating Permit Renewal as modified is attached.

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's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

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 Aida De Guzman, of my staff, at 317-233-4972 or 1-800-451-6027, and ask for extension 3-4972.

Sincerely,



Chrystal A. Wagner
Section Chief
Permits Branch
Office of Air Quality

Attachment(s): Updated Permit, Technical Support Document and Appendix A

APD

cc: File - Decatur County
Decatur County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Billing, Licensing and Training Section



A State that Works



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Thomas W. Easterly
Commissioner

Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

Honda Manufacturing of Indiana, LLC
2755 North Michigan
Greensburg, Indiana 47240

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this Permit.

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

This approval is issued in accordance with 326 IAC 2, and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T031-30127-00026	
Issued by: Original Signed by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance date: February 21, 2012 Expiration Date: February 21, 2017

1st Significant Permit Modification No. 031-31641-00026, issued on July 9, 2012

2nd Significant Permit Modification No. 031-32881-00026, issued on July 2, 2013

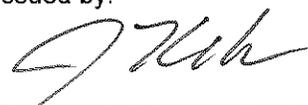
Significant Permit Modification No. 031-34340-00026	
Issued by:  Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 11, 2014 Expiration Date: February 21, 2017



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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.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 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary automobile and light-duty trucks manufacturing plant.

Source Address:	2755 North Michigan Avenue, Greensburg, Indiana
General Source Phone Number:	(812) 651-6159
SIC Code:	3711, 3714
County Location:	Decatur
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

- (a) Body Painting Operations:
 - (1) Electrodeposition (E-Coat) Coating Line, identified as PA-02, with a capacity of 72 units per hour, consisting of the following:
 - (A) Multistage pretreatment/Phosphate Process, identified as PA-01 IA.
 - (B) One (1) Electrodeposition coating dip tank, rinse stages and E-Coat oven, approved in 2006 for construction and approved in 2012 for modification, controlled by one (1) natural gas-fired regenerative thermal oxidizer (RTO), with a maximum heat input capacity of 14 million British thermal units per hour (MMBtu/hr), identified as Body Oven RTO with stack ID 1100.
 - (C) One (1) E-Coat oven pre-heat zone, with a maximum heat input capacity of 3.7 MMBtu/hr, exhausting to stack ID 1003.
 - (D) One (1) natural gas-fired E-coat 5-stage oven tunnel approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner which consists of five (5) oven zones, each with a heat input capacity of 3.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.

- (E) One (1) cooling tunnel, exhausting to stack ID 1006.
- (2) Sealer Deadener Coating Line, identified as PA-03, with a capacity of 73 units per hour, consisting of the following:
 - (A) One (1) automatic and manual sealer deadener application area, with one (1) sound deadener booth, approved in 2006 for construction and approved in 2012 for modification to add four (4) robotic coating application systems, using airless spray application system, exhausting to stack ID 1007.
 - (B) One (1) 9.0 MMBtu/hr natural gas-fired Sealer/Deadener oven, approved in 2014 for construction at the Sealer Deadener Coating Line, identified as PA-03, exhausting to Stack ID 1007A.
- (3) Primer/Surfacer Coating Line, identified as PA-05, with a capacity of 80 units per hour, consisting of the following:
 - (A) One (1) Primer/Surfacer spray coating booth, approved in 2006 for construction, approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system and dry filters to control particulate overspray, exhausting to stack ID 1014 and stack ID 1015.
 - (B) One (1) Primer/Surfacer flashoff area, with two (2) natural gas-fired heaters, one with a maximum heat input capacity of 3.5 MMBtu/hr and one with a maximum heat input capacity of 2.6 MMBtu/hr.
 - (C) One (1) natural gas-fired Primer/Surfacer, 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zones #1, #2, and #4, each with a heat input capacity of 2.6 MMBtu/hr and oven zone #3 and #5 with a heat input capacity of 1.7 MMBtu/hr each, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (D) One (1) oven exit hood exhaust, exhausting to stack ID 1021.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1022.
 - (F) Air make-up units as follows:
 - (i) One (1) natural gas-fired air makeup unit, for the primer/surfacer line, equipped with a two-stage burner, with a combined maximum heat input capacity of 7.8 MMBtu/hr.
- (4) Topcoat Coating Operation, identified as PA-07, with two (2) Topcoat Lines #1 and #2, approved in 2006 for construction and approved in 2012 for modification with a total capacity of 88 units per hour, consisting of the following:

- (A) Two (2) basecoat spray booths, approved in 2006 for construction and approved in 2012 modification to add four (4) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash systems and dry filters to control particulate overspray, exhausting to stack ID 1032 and stack ID 1043.
- (B) Two (2) basecoat flashoff areas, each with one (1) natural gas-fired heater, each with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1033 and stack ID 1044.
- (C) Two (2) clearcoat spray booths, each approved in 2006 for construction each approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems. The automatic zones use water/polymer emulsion wash systems to control particulate overspray and the manual zones use dry filters. The manual zones are cascaded to the automatic zones, and the automatic zones are controlled by one (1) RTO, identified as Body Booth RTO with stack ID 1101.
- (D) One (1) natural gas-fired Topcoat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zone #1, with a heat input capacity of 3.5 MMBtu/hr, oven zone #2, with a heat input capacity of 2.6 MMBtu/hr, and oven zones #3, #4 and #5 each with a heat input capacity of 1.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
- (E) One (1) cooling tunnel, exhausting to stack ID 1041.
- (F) One (1) oven exit hood exhaust, exhausting to stack ID 1037.
- (G) Topcoat on-line repair, identified as PA-07 which includes:
 - (i) One (1) repair sanding booth, identified as PA-08 controlled by dust filters, exhausting to stack ID 1056.
 - (ii) One (1) repair coating booth using water/polymer emulsion wash system to control particulate overspray, exhausting to stack ID 1057.
 - (iii) One (1) natural gas-fired repair oven, with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1058.
 - (iv) One (1) cooling tunnel, exhausting to stack ID 1060.
 - (v) One (1) small repair booth, exhausting to stack ID 1055, with infrared curing that consists of three (3) banks of portable infrared lights.

- (H) Air makeup units as follows:
 - (i) Two (2) natural gas-fired air makeup units (Basecoat #1 ASH and Basecoat #2 ASH), for the Topcoat Lines #1 and #2 basecoat booths, each equipped with a two-stage burner, each with a combined maximum heat input capacity of 8.0 MMBtu/hr.
 - (ii) Two (2) natural gas-fired air makeup units (Clearcoat #1 ASH and Clearcoat #2 ASH), for Topcoat Lines #1 and #2 clearcoat booths, each equipped with a two-stage burner, each with a combined maximum heat input capacity of 5.0 MMBtu/hr.
 - (iii) One (1) natural gas-fired air makeup unit, for the topcoat on-line repair operations, equipped with a two-stage burner (Repair ASH 1 and Repair ASH 2), with a combined maximum heat input capacity of 12.2 MMBtu/hr.
- (5) Blackout/Cavity wax coating booth, identified as PA-11, approved in 2006 for construction and approved in 2012 for modification to add two (2) robotic coating application systems, equipped with dry filters, exhausting to stack ID 1062.
- (6) Miscellaneous cleaning and purge operation – paint operations, consisting of the following:
 - (A) Purge and clean-up solvent usage and recovery system, identified as PA-14, including virgin solvent distribution, day tanks, small portable containers including containers that meet the definition of cold cleaners, and spent solvent recovery.
- (7) Paint effluent system, identified as PA-17, consisting of sludge for separation of paint solids from booth water/polymer emulsion wash systems for body and plastic parts painting. Solids are chemically separated and sent off-site. Water/polymer emulsion is recycled to paint booths or sent to wastewater treatment.
- (8) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 20.0 MMBtu/hr, identified as (Working Area ASH #1, PA-21).
- (9) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 8.0 MMBtu/hr, identified as (Working Area ASH #2, PA-22).
- (10) One (1) natural gas -fired makeup unit with a maximum heat input capacity of 5.0 MMBtu/hr, identified as (Working Area ASH #3, PA-23).
- (11) One (1) natural gas-fired HVAC units, identified as HVAC ASH #2, PA-25, with a maximum heat input capacity of 13.0 MMBtu/hr.
- (12) One (1) natural gas-fired HVAC unit, with a maximum heat input capacity of 8.00 MMBtu/hr, identified as HVAC #3 ASH, PA-26.

(b) Plastics Operations:

- (1) Plastic Parts Coating Line, identified as PO-02, with a capacity of 120 hangers per hour, consisting of the following:
 - (A) Alkaline pretreatment process, identified as PO-01.
 - (B) One (1) dry-off tunnel, exhausting to stack ID 2000.
 - (C) One (1) primer spray booth, utilizing High Volume Low Pressure (HVLP) and/or electrostatic application systems, using water/polymer emulsion wash to control particulate overspray, exhausting to stack ID 2002.
 - (D) One (1) basecoat spray booth, approved in 2006 for construction and approved in 2011 for modification, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system to control particulate overspray. If waterborne basecoat is utilized, the basecoat spray booth will exhaust to stack ID 2003 and stack ID 2004. If solventborne basecoat is utilized, the basecoat spray booth will be controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (E) One (1) clearcoat spray booth, approved in 2006 for construction and approved in 2011 for modification, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system to control particulate overspray, and VOC emissions controlled by one (1) RTO, with a maximum heat input capacity of 14.00 MMBtu/hr, identified as Bumper RTO, with stack ID 2029.
 - (F) One (1) clearcoat flashoff area.
 - (G) One (1) plastic parts oven tunnel which consists of two (2) zones, Topcoat Oven Zone #1 and Topcoat Oven Zone #2 each zone with a maximum heat input capacity of 2.6 MMBtu/hr burner controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (H) One (1) natural gas-fired air makeup unit, equipped with a two-stage burner, with a combined maximum heat input capacity of 19.0 MMBtu/hr.
- (2) Plastic Parts Coating Line, identified as PO-10, approved in 2012 for construction with a capacity of 60 hangers per hour, consisting of the following:
 - (A) One (1) waterborne spray booth, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using a wet scrubber to control particulate overspray, exhausting to stack ID 2250, and
 - (B) One (1) natural gas-fired oven with a maximum heat input capacity of 6 MMBtu/hr, exhausting to stack ID 2251.

- (C) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 5.0 MMBtu/hr.
- (3) Miscellaneous cleaning and purge operation – plastics painting, consisting of the following:
 - (A) Purge and clean-up solvent usage and recovery system, identified as PO-05, including virgin solvent distribution, day tanks, small portable containers including containers that meet the definition of cold cleaners, and spent solvent recovery.
- (4) Two (2) plastic parts injection molding machines, identified as PO-06 and PO-07, with a combined maximum throughput of 4,050 pounds per hour plastic pellets.
- (5) Three (3) plastic pellets storage silos, storage #1 is identified as PO-11, storage #2 is identified as PO-12 and storage #3 is identified as PO-18.
- (6) One (1) Plastic parts touchup booth, identified as PO-17, using dry filters for particulate control and manual application systems.
- (7) Two (2) painted/raw plastic parts regrind machines, identified as PO-15 and PO-16.
- (8) Two (2) plastic flash torches, with a maximum heat input capacity of 0.10 MMBtu/hr each, identified as PO-14 and PO-19.
- (c) Final Assembly Operations:
 - (1) Assembly window install and miscellaneous operations, identified as AF-01, with a capacity of 70 units per hour, consisting of all coatings, sealers, lubricants and related cleaning solvents used for auto assembly, including processes used to install window glass in vehicles, including body primer, glass cleaner, glass primer, and glass adhesive. Includes robotic and manual application equipment, coating delivery/circulation systems and raw material storage containers.
 - (2) Gasoline dispensing operation, with a capacity of 70 units per hour, consisting of the following:
 - (A) Gasoline dispensing equipment, identified as AF-02, located at the assembly line, for filling new vehicles.
 - (B) One (1) gasoline storage tank, identified as FAC-99, located at the tank farm, with a capacity of 19,800 gallons, equipped with submerged fill and Stage 1 vapor balance.
- (d) Weld sealer process using manual and robotic weld sealer application equipment, material delivery systems and raw material storage, identified as WE-01.
- (e) Two (2) diesel fired emergency generators, identified as FAC-84 and FAC-85, each with a rated capacity of 757 HP.
- (f) One (1) diesel fired back-up generator, identified as FAC-86, with a rated capacity equal to or less than 100 kilowatts (kW).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(14)]

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

- (a) Painting Operations:
 - (1) E-Coat sanding and inspection booth, identified as PA-04, using dry filters for particulate control, exhausting to general ventilation.
 - (2) Primer/Surfacer sanding and inspection booth, identified as PA-06, using dry filters for particulate control, exhausting to general ventilation.
 - (3) Topcoat in-line repair, which includes repair area for small interior topcoat, imperfections, manual application equipment, identified as PA-09.
 - (4) Topcoat manual sanding and inspection area, identified as PA-10.
 - (A) One (1) laser/buzz point operation approved in 2014 for construction at the Topcoat manual sanding and inspection area, identified as PA-10.
 - (5) One (1) plastic coating line masking booth.
 - (6) One (1) plastic coating line air blow booth.
 - (7) Final Repair, identified as PA-12, which includes repair coating booths and general areas, using manual application systems, and IR curing equipment.
 - (8) Final Repair - Air Dry, identified as PA-13, using air dry materials and manual application system.
 - (9) Paint Mix Rooms (Emissions accounted for in the emission determinations at each respective source).
 - (10) One (1) Plastic parts touchup booth, identified as PO-17, using dry filters for particulate control and manual application systems.
- (b) Space heaters, process heaters, or boilers using the following fuels: Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
 - (1) One (1) natural gas-fired hot water heater (FAC-110) for the purpose of supplying hot water to the café kitchen, with a maximum heat input capacity of 0.50 MMBtu/hr.
 - (2) Four (4) natural gas-fired hot water generators, located in the body painting area (PA-20), with a combined maximum heat input capacity of 24.5 MMBtu/hr.
 - (3) One (1) natural gas-fired air makeup unit for the Primer/Surfacer sanding and inspection booth (PA-06), with a maximum heat input capacity of 6.4 MMBtu/hr.

- (4) Twenty-eight (28) natural gas-fired space heaters (FAC-53 through FAC-72 with a combined maximum heat input capacity of 2.6 MMBtu/hr and (FAC-73 through FAC-80 with a combined maximum heat input capacity of 0.8 MMBtu/hr.
 - (5) Natural gas-fired HVAC units (FAC-01 through FAC-07, FAC-11 through FAC-20, FAC-26 through FAC-30, FAC-32, FAC-35 through FAC-37, FAC-39 through FAC-41, FAC-43 through FAC-52, FAC-146 and FAC-147), with a combined maximum heat input capacity of 87.36 MMBtu/hr.
 - (6) Forty three (43) natural gas-fired space heaters (FAC-117 through FAC-130, FAC-133 through FAC-139, FAC-148 through FAC-150 and FAC-151 through FAC-169), with a combined maximum heat input capacity of 6.83 MMBtu/hr.
 - (7) Four (4) natural gas-fired HVAC units (FAC-116, FAC-131, FAC-132 and FAC-140), with a combined maximum heat input capacity of 2.13 MMBtu/hr.
- (c) The following VOC and HAP storage containers:
- (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
 - (A) Two (2) diesel fuel storage tanks for fire pumps, identified as FAC-93 and FAC-94, each with a capacity of 300 gallons, each equipped with submerged fill.
 - (B) Three (3) diesel fuel storage tanks for generators, identified as FAC-95, FAC-177 and FAC-178, each with a capacity of 150 gallons.
 - (C) Two (2) LPG storage tanks, identified as FAC-113 and FAC-114 each with a capacity of 1,000 gallons.
 - (2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (e) Cleaners and solvents having a vapor pressure equal to or less than 2 kPa; 15 mm Hg; or 0.3 psi measured at 38 degrees C (100°F).
- (f) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment:
- (1) One (1) Stamping Shop - Four (4) press stamping lines, stamped parts repair and die maintenance activities, including hand held grinders, sanders, files, portable MIG welding, arc, welding, and stick welding, identified as ST-01.
 - (2) Body welding and finishing, identified as WE-02, approved in 2006 for construction and approved in 2012 for modification to add fifty-six (56) robotic welders using resistance welding and grinding, and MIG welding

stations. The SR station "Stationary Robots" and back-up MIG welding and grinding operations are controlled by cartridge filters.

- (3) Portable MIG, arc and TIG welding, identified as WE-06.
- (4) One (1) seam resistance welding machine (WE-02), approved in 2014 for construction.
- (g) Infrared cure equipment.
- (h) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
 - (1) Industrial WWT operations, identified as FAC-112, for pretreatment for metals removal using a chemical precipitation process.
- (i) Any operation using aqueous solutions containing less than 1% by weight of VOCs, excluding HAPs.
- (j) Noncontact cooling tower systems with forced and/or induced draft cooling tower system not regulated under a NESHAP.
 - (1) One (1) forced draft chiller cooling tower, identified as FAC-105, with a capacity of 20,000 gallons per minute.
 - (2) One (1) forced draft air compressor cooling tower, identified as FAC-107, with a capacity of 940 gallons per minute.
- (k) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (l) Heat exchanger cleaning and repair.
- (m) Process vessel degreasing and cleaning to prepare for internal repairs.
- (n) Paved and unpaved roads and parking lots with public access, identified as FAC-108.
- (o) Purging of gas lines and vessels that is related to routing maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (p) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (q) On-site fire and emergency response training approved by the department.
- (r) Emergency generators as follows: Diesel generators not exceeding 1600 horsepower.
 - (1) One (1) substation emergency generator, identified as FAC-81, with a capacity of 133 horsepower (HP).
 - (2) One (1) Consolidation Center emergency generator, identified as FAC-89, with a capacity of 133 HP.

- (3) One (1) Credit Union building emergency generator, identified as FAC-115, with a capacity of 133 HP.
- (s) Other emergency equipment as follows: Stationary fire pumps.
 - (1) Two (2) stationary fire pumps, identified as FAC-82 and FAC-83, each with a rated capacity of 183 horsepower.
- (t) Emergency generators as follows: Gasoline generators not exceeding 110 horsepower.
 - (1) Two (2) emergency generators, identified as FAC-145 and FAC-175, with a capacity of 5.5 HP each.
- (u) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (v) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
 - (1) One (1) tumbleblast unit, identified as PA-15.
- (w) A laboratory as defined in 326 IAC 2-7-1(21)(H).
- (x) Enclosed systems for conveying plastic raw materials and plastic finished goods as defined in 326 IAC 2-7-1(21)(J)(xiv)(DD).
- (y) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 26 lb/day PM; 5 lb/hr or 25 lb/day SO₂; 5 lb/hr or 25 lb/day NO_x; 3 lb/hr or 15 lb/day VOC; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:
 - (1) Windshield washer fluid fill operation, with a capacity of 70 units per hour, consisting of the following:
 - (A) Water/methanol fluid mixing and dispensing equipment, identified as AF-03, located at the assembly line, for filling new vehicles.
 - (B) One (1) windshield washer fluid storage tank, identified as FAC-102, located at the tank farm, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (2) The following tanks, located at the Tank Farm:
 - (A) One (1) automatic transmission fluid storage tank, identified as FAC-96, with a capacity of 10,000 gallons, equipped with submerged fill.
 - (B) One (1) antifreeze storage tank, identified as FAC-103, with a capacity of 10,000 gallons, equipped with submerged fill.

- (C) One (1) brake fluid storage tank, identified as FAC-98, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (D) One (1) power steering fluid storage tank, identified as FAC-204, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (E) One (1) manual transmission fluid storage tank, identified as FAC-104, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (F) One (1) diesel fuel storage tank for yard truck operations, identified as MS-01, with a capacity of 3,000 gallons, equipped with submerged fill.
- (3) The following tank, located at the Utility Building:
- (A) One (1) diesel fuel storage tank, identified as FAC-90, with a capacity of 2,000 gallons, equipped with submerged fill.
- (4) One (1) compressed natural gas tank, identified as AF-04, for filling CNG vehicles.
- (5) Eight (8) cold cleaner degreasers, identified as ST-02, MS-02, WE-07, AF-05, VQ-01, PA-27, PO-20 and FAC-176, located at designated areas.
- (6) One (1) BPA Polish booth, identified as PO-04, consisting of manual air tools for scuffing, polishing, and buffing painted plastic parts.
- (7) One (1) instrument panel application station and electric oven, identified as PO-30, with a maximum throughput of 80 units per hour, approved in 2014 for construction.

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

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

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

SECTION B GENERAL CONDITIONS

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

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

B.2 Permit Term

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

- (a) This permit, T031-30127-00026, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(35).

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- and
- United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;

- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)] [326 IAC 1-6-3]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

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

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

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

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

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

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

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

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

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

- (a) All terms and conditions of permits established prior to T031-30127-00026 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.

- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

- (a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading,

and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c), without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

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

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
 - (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b) or (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1)
- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;

- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

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

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

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

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

C.2 Opacity [326 IAC 5-1]

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

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on

other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

- (g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2 7 5(3)] [326 IAC 2 7 6(1)] [40 CFR 64][326 IAC 3-8]

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

- (b) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
- (c) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5]
[326 IAC 2-7-6]

- (a) Upon detecting an excursion where a response step is required by the D Section, or an exceedance of a limitation, not subject to CAM, in this permit:
- (1) 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.
 - (2) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (i) initial inspection and evaluation;
 - (ii) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (iii) any necessary follow-up actions to return operation to normal or usual manner of operation.
 - (3) 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:
 - (i) monitoring results;
 - (ii) review of operation and maintenance procedures and records; and/or
 - (iii) inspection of the control device, associated capture system, and the process.
 - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
 - (5) The Permittee shall record the reasonable response steps taken.
- (b)
- (1) CAM Response to excursions or exceedances.
 - (i) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing

emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

- (ii) 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, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.
- (2) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.
 - (3) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a QIP. The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.
 - (4) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).
 - (5) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.
 - (6) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(a)(2) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:
 - (i) Failed to address the cause of the control device performance problems; or
 - (ii) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
 - (7) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

- (8) CAM recordkeeping requirements.
 - (i) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (11)(a)(2) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.
 - (ii) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

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

The statement must be submitted to:

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

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]
[326 IAC 2-2][326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:
- (1) All calibration and maintenance records.
 - (2) All original strip chart recordings for continuous monitoring instrumentation.
 - (3) Copies of all reports required by the Part 70 permit.
Records of required monitoring information include the following:
 - (4) The date, place, as defined in this permit, and time of sampling or measurements.
 - (5) The dates analyses were performed.
 - (6) The company or entity that performed the analyses.
 - (7) The analytical techniques or methods used.
 - (8) The results of such analyses.
 - (9) The operating conditions as existing at the time of sampling or measurement

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following::
- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;

- (iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following
- (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3] [40 CFR 64][326 IAC 3-8]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
- (2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime

associated with zero and span or other daily calibration checks, if applicable);
and

- (3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

- (b) The address for report submittal is:

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
 - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
 - (1) The name, address, and telephone number of the major stationary source.

- (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
- (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
- (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part 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

- (g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Source-Wide Operations

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Sourcewide Prevention of Significant Deterioration (PSD) Limits [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3 (BACT), the proposed automobile and light-duty truck assembly plant shall be limited as follows:

- (a) The plant's production rate shall be limited to 285,000 vehicles per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The total VOC usage from all surface coating operations; E-Coat Line (PA-02), Sealer/Deadener (PA-03), Primer/Surfacer (PA-05), Topcoat Coating Line and On-Line Repair (PA-07), Blackout/Cavity Wax Coating Line (PA-11), and Plastic Parts Coating Line (PO-02), shall be limited such that the total VOC emissions shall not exceed 330.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance Determination Requirement

D.1.2 Prevention of Significant Deterioration (PSD) VOC BACT limits [326 IAC 2-2]

Compliance with the VOC limit in Condition D.1.1 shall be determined by using the following equation, which calculates the tons of VOC emissions per month, and adding the result to the calculated VOC emissions from the previous eleven months:

$$\text{Body Painting VOC Emissions (tons/month)} = \text{E-Coat Line (PA-02)} + \text{Sealer/Deadener (PA-03)} + \text{Primer/Surfacer (PA-05)} + \text{Topcoat Coating Line and On-Line Repair (PA-07)} + \text{Blackout/Cavity Wax Coating Line (PA-11)} + \text{Plastic Parts Coating Line (PO-02), VOC}$$

D.1.3 Regenerative Thermal Oxidizers (RTOs) [326 IAC 2-2]

- (a) In order to demonstrate compliance status with Condition D.1.1 and the requirements of 326 IAC 2-2-3 (BACT), the regenerative thermal oxidizers (RTOs) shall operate at all times when the processes being controlled are in operation.
- (b) The bypass line for each capture system shall not be used to divert emissions away from the RTOs to the atmosphere, but shall only be used for VOC purge to prevent fire prior to the coating operation, and during cleaning operations, other non-standard equipment testing and non-production times when air supply houses remain in operation. If emissions occur from testing, cleaning and other activities, those emissions must be tracked separately.
- (c) All paint lines exhausting any emissions to an RTO shall be equipped with "system interlocks" as safety features, which automatically shut down all related conveyors and spray equipment if air flow is diverted by a bypass line away from the RTO and if the RTO's operating temperature drops below the three (3) hour average determined during the latest compliance stack tests. The interlocks shall automatically prohibit entry of additional vehicles to the spray booths.
- (d) No new vehicle shall enter the paint line as the system is in process to empty the vehicles during shutdown.

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

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

D.1.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken as stated below and shall be complete and sufficient to establish compliance with the automobile and light duty truck production limit, and the VOC emission limit established in Condition D.1.1(b). Records necessary to demonstrate the compliance status shall be available not later than 30 days of the end of each compliance period.
- (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent used on a monthly basis.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (3) The total VOC usage and emissions from coatings and solvents for each month.
 - (4) The number of vehicles produced each month.
- (b) To document the compliance status with Condition D.1.3, any shut down event shall be recorded for investigation to countermeasure against future occurrences, and be kept on file for at least the past five (5) year period and made available upon request to IDEM, OAQ.
- (c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.1.5 Reporting Requirements

- (a) Reports of monthly vehicle production totals to document the compliance status with Condition D.1.1(a), shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).
- (b) Reports of monthly VOC emissions from body surface coating operations to document the compliance status with Condition D.1.1(b), shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

- (a) Body Painting Operations:
- (1) Electrodeposition (E-Coat) Coating Line, identified as PA-02, with a capacity of 72 units per hour, consisting of the following:
 - (A) Multistage pretreatment/Phosphate Process, identified as PA-01 IA.
 - (B) One (1) Electrodeposition coating dip tank, rinse stages and E-Coat oven, approved in 2006 for construction and approved in 2012 for modification, controlled by one (1) natural gas-fired regenerative thermal oxidizer (RTO), with a maximum heat input capacity of 14 million British thermal units per hour (MMBtu/hr), identified as Body Oven RTO with stack ID 1100..
 - (C) One (1) E-Coat pre-heat zone, with a maximum heat input capacity of 3.7 MMBtu/hr, exhausting to stack ID 1003.
 - (D) One (1) natural gas-fired E-coat 5-stage oven tunnel approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner which consists of five (5) oven zones, each with a heat input capacity of 3.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100
 - (E) One (1) cooling tunnel, exhausting to stack ID 1006.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the E-Coat Coating Line, ID PA-02, shall be as follows:

- (a) The exhausts from the E-Coat tank, rinse stage, and drying oven shall be vented to regenerative thermal oxidizer Body Oven RTO (with stack ID 1100), and shall have a capture system efficiency of 100%. The regenerative thermal oxidizers shall achieve a minimum VOC destruction efficiency of 95%.
- (b) The VOC emissions, after control, from the E-Coat Coating Line ID PA-02, shall not exceed 0.04 pound per gallon of applied coating solids (lb/gacs), based on a daily volume weighted average.
- (c) The PSD BACT requirements for the combustion facilities in SECTION D.2, are contained in SECTION D.10.

D.2.2 Volatile Organic Compounds [326 IAC 8-2-2]

Pursuant to 326 IAC 8-2-2, the combined VOC delivered to the applicators from prime application, involving the Electrodeposition (E-Coat) Coating Line ID PA-02, and Primer/Surfacers Coating Line ID PA-05 in SECTION D.3, including the flash-off area, and drying oven shall not exceed 0.23 kilogram per liter of coating (1.9 pounds per gallon), excluding water.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their respective control devices. 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.2.4 Regenerative Thermal Oxidizers (RTOs) [326 IAC 2-2] [326 IAC 8-2-2]

The exhausts from the E-coat tank, rinse stages and drying oven shall be vented to regenerative thermal oxidizer Body Oven RTO (with stack ID 1100) at all times when the E-Coat Coating Line (PA-02) is in operation.

D.2.5 Volatile Organic Compounds [326 IAC 8-2-2] [326 IAC 8-1-2]

Pursuant to 326 IAC 8-1-2(a), the combined VOC emission limitations under 326 IAC 8-2-2 in Condition D.2.2, for the Electrodeposition (E-Coat) Coating Line (PA-02), and the Primer/Surfacer Coating Line (PA-05) in SECTION D.3, shall be achieved through one (1) or any combination of the following: thermal incineration, use of higher solids (low solvent) coatings, and/or waterborne coatings.

D.2.6 Testing Requirements [326 IAC 2-2] [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

Within 2.5 years after the most recent valid compliance demonstration, the Permittee shall conduct performance tests of the E-Coat Coating Line (PA-02) (E-Coat tank, rinse stages, and drying oven), Primer/Surfacer Coating Line (PA-05) (drying oven) in SECTION D.3, the Topcoat Coating Operation (PA-07) (drying oven) in SECTION D.4, and the Sealer Deadener (PA-03) (drying oven) in SECTION D.3, to determine compliance with the limits on VOC emissions, capture efficiency, and destruction efficiency of the regenerative thermal oxidizer (Body Oven RTO with stack ID 1100), utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.

D.2.7 Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-2-2]

- (a) Compliance with the VOC content and usage limitations contained in Conditions D.2.1 and D.2.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
- (b) Compliance with the PSD BACT limit in D.2.1(b) shall be determined using daily volume weighted average of the coating solids consumed and actual transfer efficiencies and shall be determined using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n (S_i \times TE)}$$

where:

DWA = daily calculated volume weighted average emissions in pounds per gallon coating solids.

C = VOC content of coating i, lb VOC/gal

U = actual coating i usage, gal/day

S = volume of solids in coating i consumed, gal/day

TE = transfer efficiency of the applicator (100% for the E-Coat)

n = no. of coatings used during the day

CE = capture efficiency of the emission system vented to the RTO

DRE =destruction/removal efficiency of the RTO

- (c) Compliance with the VOC limitation in Condition D.2.2 shall be determined using a daily volume weighted average of the coatings applied less water using the following equation:

$$A = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n (U_i \times (1-D_i))}$$

where:

A = daily volume weighted average, lb VOC/gal less water

C = VOC content of coating i, lb VOC/gal

U = actual coating i usage, gal/day

D = coating i volume % water

n = no. of coatings used during the day

CE = capture efficiency of the emission system vented to the RTO

DRE =destruction/removal efficiency of the RTO

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

D.2.8 Regenerative Thermal Oxidizers (RTOs) Temperature [326 IAC 2-2] [326 IAC 8-2-2]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the Electrodeposition (E-Coat) Coating Line ID PA-02 regenerative thermal oxidizer (Body Oven RTO with stack ID 1100) for measuring operating temperature. For the purposes of this condition, continuous shall mean no less than once per fifteen (15) minutes. The output of this system shall be recorded as a three (3) hour average. From the date of issuance of this permit until the approved stack test results are available, the three (3) hour rolling average operating temperature of the thermal oxidizer shall be maintained at a minimum temperature of 1400°F. Whenever the three (3) hour average temperature is below 1400°F or the three (3) hour average temperature established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) The Permittee shall determine the three (3) hour average temperature from the most recent valid stack test that demonstrates compliance with the limits in conditions D.2.1 and D.2.2, as approved by IDEM.
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the three (3) hour rolling average temperature as observed during the compliant stack test.

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

D.2.9 Parametric Monitoring [326 IAC 8-2-2]

- (a) The Permittee shall determine the appropriate duct pressure or fan amperage or fan Hertz from the most recent valid stack test that demonstrates compliance with limits in condition D.2.1 and D.2.2, as approved by IDEM.
- (b) The equipment to measure fan Hertz shall be equipped with “system interlocks”, which shall automatically shutdown the affected paint operations if fan Hertz is outside the normal range established in the most recent compliant stack test. The interlocks shall automatically prohibit entry of additional vehicles to the spray booths.
- (c) No new vehicle shall enter the paint line as the system is in the process to empty the vehicles during shutdown.

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

D.2.10 Record Keeping Requirements [326 IAC 8-2-2]

- (a) To document the compliance status with Condition D.2.1(b), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.2.1(b). 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 content of each coating material and solvent used daily for coatings applied by the E-Coat tank.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) A log of the dates of use.
 - (3) The solids content of each coating material used (as applied).
 - (4) The calculated daily volume weighted average emission in pounds per gallon coating solids as applied from the E-Coat tank.
- (b) To document the compliance status with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.2.2. 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 content of each coating material and solvent used daily for coatings applied by the E-Coat tank and the Primer/Surfacer Coating Line ID PA-05 in SECTION D.3.

- (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
- (2) A log of the dates of use.
- (3) The water content of each coating material used (as applied).
- (4) The calculated daily volume weighted average VOC content per gallon of the coatings less water as applied from the E-Coat tank and the Primer/Surfacers Coating Line (PA-05) in SECTION D.3.
- (c) To document the compliance status with Condition D.2.8, the Permittee shall maintain records of the continuous temperature records (on a three-hour average basis) for the E-Coat Coating Line ID PA-02 regenerative thermal oxidizer (Body Oven RTO with stack ID 1100) and the three-hour average temperature used to demonstrate compliance during the most recent compliant stack test.
- (d) To document the compliance status with Condition D.2.9, the Permittee shall maintain records of the Body Oven RTO shutdowns due to fan Hertz deviations.
- (e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.2.11 Reporting Requirements

A monthly summary of the information to document the compliance status with Condition D.2.1 shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

- (a) Body Painting Operations:
 - (2) Sealer/Deadener Coating Line, identified as PA-03, with a capacity of 73 units per hour, consisting of the following:
 - (A) One (1) automatic and manual sealer deadener application area, with one (1) sound deadener booth, approved in 2006 for construction and approved in 2012 for modification to add four (4) robotic coating application systems, using airless spray application system, exhausting to stack ID 1007.
 - (B) One (1) 9.0 MMBtu/hr natural gas-fired Sealer/Deadener oven, approved in 2014 for construction at the Sealer Deadener Coating Line, identified as PA-03, exhausting to Stack ID 1007A.
 - (3) Primer/Surfacer Coating Line, identified as PA-05, with a capacity of 80 units per hour, consisting of the following:
 - (A) One (1) Primer/Surfacer spray coating booth, approved in 2006 for construction, approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVL) and electrostatic bell application systems, using water/polymer emulsion wash system and dry filters to control particulate overspray, exhausting to stack ID 1014 and stack ID 1015.
 - (B) One (1) Primer/Surfacer flashoff area, with two (2) natural gas-fired heaters, one with a maximum heat input capacity of 3.5 MMBtu/hr and one with a maximum heat input capacity of 2.6 MMBtu/hr.
 - (C) One (1) natural gas-fired Primer/Surfacer, 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zones #1, #2, and #4, each with a heat input capacity of 2.6 MMBtu/hr and oven zone #3 and #5 with a heat input capacity of 1.7 MMBtu/hr each, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (D) One (1) oven exit hood exhaust, exhausting to stack ID 1021.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1022.
 - (F) Air make-up units as follows:
 - (i) One (1) natural gas-fired air makeup unit, for the primer/surfacer line, equipped with a two-stage burner, with a combined maximum heat input capacity of 7.8 MMBtu/hr.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, the VOC Best Available Control Technology (PSD BACT) for the Primer/Surfacer Coating Line, identified as PA-05, shall be as follows:

- (a) The exhaust from the Primer/Surfacer Coating line drying oven shall be vented to regenerative thermal oxidizer Body Oven RTO (with stack ID 1100). The thermal oxidizer shall achieve a minimum VOC destruction efficiency of 95%.
- (b) The VOC emissions, from the Primer/Surfacer Coating Line (including controlled and uncontrolled emissions), identified as PA-05, shall not exceed 3.46 pound per gallon of applied coating solids (lb/gacs), based on a daily volume weighted average.
- (c) The VOC emissions, from the Sealer Deadener Coating Line, identified as PA-03, shall not exceed 0.30 pounds of VOC per gallon of coating (lb/gal) used, based on a monthly volume weighted average.
- (d) The PSD BACT requirements for the combustion facilities in SECTION D.3, are contained in SECTION D.10.

D.3.2 Volatile Organic Compounds [326 IAC 8-2-2]

Pursuant to 326 IAC 8-2-2, the combined VOC delivered to the applicators from prime application, involving the Primer/Surfacer Coating Line (PA-05), and Electrodeposition (E-Coat) Coating Line (PA-02) in SECTION D.2, including the flash-off area, and drying oven shall not exceed 0.23 kilogram per liter of coating (1.9 pounds per gallon), excluding water.

D.3.3 PSD BACT for PM and PM10 [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the PM and PM10 emissions from the water/oil emulsion wash system and dry filters controlling the particulate emissions from the Primer/Surfacer Coating Line (PA-05) shall be limited to 0.0015 grains per standard cubic foot (gr/scf) of exhaust air, and 99% control efficiency. The Department may revise this permit to adjust the PM and PM10 limitation of 0.0015 gr/scf based upon the results of the stack test required in Condition D.3.7. PM-10 includes filterable and condensable PM. Any revisions of the emissions limits made as the result of this provision shall be subject to the best available control technology (BACT) review and air quality analysis, specified in 326 IAC 2-2. The Department will provide an opportunity for public notice and comment prior to finalizing any permit revision. IC 13-15-7-3 (revocation or Modification of a Permit: appeal to Board) shall apply to this permit condition.

D.3.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their respective control devices. 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.3.5 Regenerative Thermal Oxidizers (RTOs) [326 IAC 2-2] [326 IAC 8-2-2]

The exhaust from the Primer/Surfacer Coating Line drying oven (PA-05) shall be vented to regenerative thermal oxidizer (Body Oven RTO with stack ID 1100) at all times when the line is in operation.

D.3.6 Volatile Organic Compounds [326 IAC 8-2-2] [326 IAC 8-1-2]

Pursuant to 326 IAC 8-1-2(a), the combined VOC emission limitations under 326 IAC 8-2-2 in Condition D.3.2, for the Primer/Surfacer Coating Line (PA-05) and Electrodeposition (E-Coat) Coating Line (PA-02) in SECTION D.2, shall be achieved through one (1) or any combination of the following: thermal incineration, use of higher solids (low solvent) coatings, and/or waterborne coatings.

D.3.7 Testing Requirements [326 IAC 2-2] [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

- (a) Within 2.5 years after the most recent valid compliance demonstration, the Permittee shall conduct performance tests of the Primer/Surfacer Coating Line (PA-05) (oven) in SECTION D.3, the E-Coat Coating Line (PA-02) (E-Coat tank, rinse stages, and oven) in SECTION D.2, and the Topcoat Coating Operation (PA-07) (two drying ovens) in SECTION D.4, to determine compliance with the limits on VOC emissions, capture efficiency, and destruction efficiency of the regenerative thermal oxidizer (Body Oven RTO with stack ID 1100), and applicators transfer efficiencies, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.
- (b) Within 2.5 years after the most recent valid compliance demonstration, in order to demonstrate compliance with Condition D.3.3, the Permittee shall conduct performance tests to measure the PM/PM10 emission rates in grains per standard cubic feet of exhaust air of the water/polymer emulsion wash and dry filters controlling the Primer/Surfacer coating booth, utilizing methods as approved by the Commissioner. PM-10 includes filterable and condensable PM. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.

D.3.8 Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-2-2]

- (a) Compliance with the VOC content and usage limitations contained in Conditions D.3.1 and D.3.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
- (b) Compliance with the PSD BACT limit in D.3.1(b) shall be determined using daily volume weighted average of the coating solids consumed and actual transfer efficiencies and shall be determined using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n (S_i \times TE)}$$

where:

DWA = daily calculated volume weighted average emissions in pounds per gallon coating solids.

C = VOC content of coating _i, lb VOC/gal

U = actual coating _i usage, gal/day

S = volume of solids in coating _i consumed, gal/day

TE = transfer efficiency of the applicator

n = no. of coatings used during the day
CE = capture efficiency of the emission system vented to the RTO
DRE =destruction or removal efficiency of the RTO

- (c) Compliance with the VOC limitation in Condition D.3.1(c) shall be determined using monthly volume weighted average of the coating used using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i)}{\sum_{i=1}^n U_i}$$

where:

DWA = monthly calculated volume weighted average emissions in pounds per gallon coating applied.

C = VOC content of coating _i, lb VOC/gal

U = actual coating _i usage, gal/month

n = no. of coatings used during the month

- (d) Compliance with the VOC limitation in Condition D.3.2 shall be determined using a daily volume weighted average of the coatings applied less water using the following equation:

$$A = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n (U_i \times (1-D_i))}$$

where:

A = daily volume weighted average, lb VOC/gal less water

C = VOC content of coating _i, lb VOC/gal

U = actual coating _i usage, gal/day

D = coating _i volume % water

n = no. of coatings used during the day

CE = capture efficiency of the emission system vented to the RTO

DRE =destruction or removal efficiency of the RTO

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

D.3.9 Regenerative Thermal Oxidizers (RTOs) Temperature [326 IAC 2-2] [326 IAC 8-2-2] [40 CFR 64]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the Primer/Surfacer Coating Line, ID PA-05 and Sealer/Deadener Coating Line, ID PA-03 thermal oxidizer (Body Oven RTO with stack ID 1100) for measuring operating temperature. For purposes of this condition, continuous shall mean no less than once per fifteen (15) minutes. The output of this system shall be recorded as a three (3) hour average. From the date of issuance of this permit until the approved stack test results are available, the three (3) hour rolling average operating temperature of the thermal oxidizer shall be maintained at a minimum temperature of 1400°F. Whenever the three (3) hour average temperature is below 1400°F or the three (3) hour average temperature established during the latest stack test, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response

steps shall be considered a deviation from this permit.

- (b) The Permittee shall determine the three (3) hour average temperature from the most recent valid stack test that demonstrates compliance with limits in conditions D.3.1 and D.3.2, as approved by IDEM.
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the three (3) hour rolling average temperature as observed during the compliant stack test.

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

D.3.10 Water/Polymer Emulsion Wash and dry filters Monitoring [40 CFR 64]

- (a) Daily inspection shall be performed prior to the paint booth's operation to verify the proper placement and configuration of the dry filters. Daily visual inspections shall be performed on the water/polymer emulsion wash system associated with the Primer/Surfacer Coating Line (PA-05) during the paint booth's operation to verify the control system proper operation. A warning system shall be installed and operated that will automatically activates whenever the water/polymer emulsion circulation pump is down. Whenever a warning signal is received, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground, except during inclement weather. When a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.3.11 Parametric Monitoring [326 IAC 8-2-2] [40 CFR 64]

- (a) The Permittee shall determine the appropriate duct pressure or fan amperage or fan Hertz from the most recent valid stack test that demonstrates compliance with limits in condition D.3.1 and D.3.2, as approved by IDEM.
- (b) The equipment to measure fan Hertz shall be equipped with "system interlocks", which shall automatically shutdown the affected paint operations if fan Hertz is outside the normal range established in the most recent compliant stack test. The interlocks shall automatically prohibit entry of additional vehicles to the spray booths.
- (c) No new vehicle shall enter the paint line as the system is in the process to empty the vehicles during shutdown.

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

D.3.12 Record Keeping Requirements [326 IAC 8-2-2]

- (a) To document the compliance status with Condition D.3.1(b), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC emission limit established in Conditions D.3.1(b).

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 content of each coating material and solvent used daily for coatings applied by the Primer/Surfacer Coating Line (PA-05).
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) A log of the dates of use.
 - (3) The solids content of each coating material used (as applied).
 - (4) The calculated daily volume weighted average emission in pounds per gallon coating solids as applied from the Primer/Surfacer Coating Line (PA-05).
- (b) To document the compliance status with Condition D.3.1(c), the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC emission limit established in Conditions D.3.1(c). 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 content of each coating material and solvent used monthly.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) The calculated monthly volume weighted average emission in pounds per gallon coating as applied from the Sealer/Deadener Coating line (PA-03).
- (c) To document the compliance status with Condition D.3.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.3.2. 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 content of each coating material and solvent used daily for coatings applied by the Primer/Surfacer Coating Line (PA-05) and the E-Coat tank in SECTION D.2.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) A log of the dates of use.
 - (3) The water content of each coating material used (as applied).
 - (4) The calculated daily volume weighted average VOC content per gallon of the coatings less water as applied from the Primer/Surfacer Coating Line (PA-05) and the E-Coat Line (PA-02) in SECTION D.2.
- (d) To document the compliance status with Condition D.3.10, the Permittee shall maintain a log of monthly overspray observation, records of daily visual inspection of the dry filters, dates of any water/polymer emulsion wash system warning system alarm and corrective actions taken and monthly inspections on the rooftops.
- (e) To document the compliance status with Condition D.3.9, the Permittee shall maintain records of the continuous temperature records (on a three-hour average basis) for the Primer/Surfacer Coating Line ID PA-05 regenerative thermal oxidizer (Body Oven RTO with stack ID 1100) and the three-hour average temperature used to demonstrate compliance during the most recent compliant stack test.
- (f) To document the compliance status with Condition D.3.3, the Permittee shall maintain on file vendors guarantees and/or certifications for the dry filters efficiency.
- (g) To document the compliance status with Condition D.3.11, the Permittee shall maintain records of the Body Oven RTO shutdowns due to fan Hertz deviations
- (h) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.3.13 Reporting Requirements

A monthly summary of the information to document the compliance status with Condition D.3.1 shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.4

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

- (a) Body Painting Operations:
- (4) Topcoat Coating Operation, identified as PA-07, with two (2) Topcoat Lines #1 and #2, approved in 2006 for construction and approved in 2012 for modification with a total capacity of 88 units per hour, consisting of the following:
- (A) Two (2) basecoat spray booths, approved in 2006 for construction and approved in 2012 modification to add four (4) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash systems and dry filters to control particulate overspray, exhausting to stack ID 1032 and stack ID 1043
- (B) Two (2) basecoat flashoff areas, each with one (1) natural gas-fired heater, each with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1033 and stack ID 1044.
- (C) Two (2) clearcoat spray booths, each approved in 2006 for construction each approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems. The automatic zones use water/polymer emulsion wash systems to control particulate overspray and the manual zones use dry filters. The manual zones are cascaded to the automatic zones, and the automatic zones are controlled by one (1) RTO, identified as Body Booth RTO with stack ID 1101.
- (D) One (1) natural gas-fired Topcoat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zone #1, with a heat input capacity of 3.5 MMBtu/hr, oven zone #2, with a heat input capacity of 2.6 MMBtu/hr, and oven zones #3, #4 and #5, each with a heat input capacity of 1.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
- (E) One (1) cooling tunnel, exhausting to stack ID 1041.
- (F) One (1) oven exit hood exhaust, exhausting to stack ID 1037.
- (G) Topcoat on-line repair, identified as PA-07, which includes:
- (i) One (1) repair sanding booth, identified as PA-08, controlled by dust filters, exhausting to stack ID 1056.
- (ii) One (1) repair coating booth using water wash system to control particulate overspray, exhausting to stack ID 1057.
- (iii) One (1) natural gas-fired repair oven, with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1058.
- (iv) One (1) cooling tunnel, exhausting to stack ID 1060.
- (v) One (1) small repair booth, exhausting to stack ID 1055, with infrared curing, consists of three (3) banks and portable infrared lights.

- (5) Blackout/Cavity wax coating booth, identified as PA-11, e approved in 2006 for construction and approved in 2012 for modification to add two (2) robotic coating application systems, quipped with dry filters, exhausting to stack ID 1062.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the Topcoat Coating Operation, Topcoat on-line repair, both identified as PA-07, and Topcoat in-line repair, identified as PA-09 shall be as follows:

- (a) The capture systems for the clearcoat booths of the Topcoat Lines #1 and #2 shall be vented into one (1) RTO, identified as Body Booth RTO with stack ID 1101. The RTO shall achieve a minimum destruction efficiency of ninety-five percent (95%).
- (b) The Topcoat drying oven shall be vented into one (1) RTO, identified as Body Oven RTO with stack ID 1100. The RTO shall achieve a minimum destruction efficiency of ninety-five percent (95%).
- (c) The VOC emissions, from the Topcoat Coating Operation Line #1 and Line #2 (including controlled and uncontrolled emissions), combined with the uncontrolled Topcoat on-line repair, both identified as PA-07 shall not exceed 5.2 pounds per gallon of applied coating solids (lb/gacs), based on a daily volume weighted average.
- (d) The daily volume weighted average of the VOC content of the Blackout (PA-11) coating used, shall not exceed 0.74 pound per gallon of coating (lbs/gal) as applied.
- (e) The daily volume weighted average of the VOC content of the Cavity Wax used, shall not exceed 2.9 pound per gallon of coating (lbs/gal).

The Permittee shall implement good work practices for the Cavity Wax Coating (PA-11) application.

- (f) The PSD BACT requirements for the combustion facilities in SECTION D.4, are contained in SECTION D.10.

D.4.2 Volatile Organic Compounds [326 IAC 8-2-2] and [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations), the VOC delivered to the applicators from the Topcoat Coating Operation and Topcoat on-line repair, both identified as PA-07, including flash-off areas, and drying oven shall not exceed 0.34 kilogram per liter of coating (2.8 pounds per gallon), excluding water.
- (b) Pursuant to 326 IAC 8-2-9, the owner or operator shall not allow the discharge into the atmosphere VOC for the application of cavity wax in excess of three and five-tenths (3.5), pounds per gallon, excluding water.

D.4.3 PSD BACT for PM and PM10 [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the PM and PM10 emissions from the water/polymer emulsion wash and dry filters controlling the particulate emissions from the Topcoat Lines #1 and #2, two (2) basecoat spray booths, and two (2) clearcoat spray booths shall be limited to 0.0015 grains per standard cubic

foot (gr/scf) of exhaust air and 99% control efficiency. The Department may revise this permit to adjust the PM and PM10 limitation of 0.0015 gr/scf based upon the results of the stack test required in Condition D.4.7. PM-10 includes filterable and condensible PM. Any revisions of the emissions limits made as the result of this provision shall be subject to the best available control technology (BACT) review and air quality analysis, specified in 326 IAC 2-2. The Department will provide an opportunity for public notice and comment prior to finalizing any permit revision. IC 13-15-7-3 (revocation or Modification of a Permit: appeal to Board) shall apply to this permit condition.

- (b) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (BACT), the PM and PM10 emissions from the dry filters controlling the Topcoat on-line repair sanding booth, identified as PA-08, shall be limited to 0.0015 gr/scf of exhaust air and 98.5% control efficiency. PM-10 includes filterable and condensible PM.
- (c) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (BACT) the PM and PM10 emissions from the dry filters controlling the Blackout/Cavity wax booth, identified as PA-11, shall be limited to 0.0015 gr/scf of exhaust air and 98% collection /control efficiency. PM-10 includes filterable and condensible PM.

D.4.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their respective control devices. 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.4.5 Regenerative Thermal Oxidizers (RTOs) [326 IAC 2-2] [326 IAC 8-2-2]

The exhausts from the clearcoat booths of the Topcoat Lines #1 and #2 shall be vented to regenerative thermal oxidizer (Body Booth RTO with stack ID 1101) at all times when one or both lines are in operation.

The exhausts from the Topcoat Drying Oven shall be vented to regenerative thermal oxidizer (Body Oven RTO with stack ID1100) at all times when the oven is in operation.

D.4.6 Volatile Organic Compounds [326 IAC 8-2-2] [326 IAC 8-1-2]

Pursuant to 326 IAC 8-1-2(a), the VOC emission limitations under 326 IAC 8-2-2 in Condition D.4.2, for the Topcoat Coating Operation ID PA-07, shall be achieved through one (1) or any combination of the following: thermal incineration, use of higher solids (low solvent) coatings, and/or waterborne coatings.

D.4.7 Testing Requirements [326 IAC 2-2] [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

- (a) Within 2.5 years after the most recent valid compliance demonstration, the Permittee shall conduct performance tests of the Topcoat Coating Operation (PA-07) (one drying oven), the E-Coat Coating Line (PA-02) (E-Coat tank, rinse stages, and drying oven) in SECTION D.2 , Primer/Surfacer Coating Line (PA-05) (drying oven), to determine compliance with the limits on VOC emissions, capture efficiency, and destruction efficiency of the regenerative thermal oxidizer (Body Oven RTO with stack ID 1100), and applicators transfer efficiencies, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.

- (b) Within 2.5 years after the most recent valid compliance demonstration, the Permittee shall conduct performance tests of the new Topcoat Coating Operation ID PA-07 (two clearcoat booths), to determine compliance with the limits on VOC emissions and destruction efficiency of the regenerative thermal oxidizer (Body Booth RTO with stack ID 1101), and applicators transfer efficiencies, utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.
- (c) Within 2.5 years after the most recent valid compliance demonstration, in order to demonstrate compliance with Condition D.4.3, the Permittee shall conduct performance tests to measure the PM/PM10 emission rates in grains per standard cubic feet of exhaust air of the water/oil emulsion wash and dry filters controlling the basecoat booths and clearcoat booths of the Topcoat Coating Line (PA-07), utilizing methods as approved by the Commissioner. PM-10 includes filterable and condensable PM. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.

D.4.8 Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-2-2]

- (a) Compliance with the VOC content and usage limitations contained in Conditions D.4.1 and D.4.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
- (b) Compliance with the PSD BACT limit in D.4.1(c) shall be determined using daily volume weighted average of the coating solids consumed and actual transfer efficiencies and shall be determined using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n (S_i \times TE)}$$

where:

DWA = daily calculated volume weighted average emissions in pounds per gallon coating solids.

C = VOC content of coating _i, lb VOC/gal

U = actual coating _i usage, gal/day

S = volume of solids in coating _i consumed, gal/day

TE = transfer efficiency of the applicator

n = no. of coatings used during the day

CE = capture efficiency of the emission system vented to the RTO

DRE =destruction or removal efficiency of the RTO

- (c) Compliance with the PSD BACT limits in D.4.1(d) and D.4.1(e) from the Blackout and Cavity Wax application shall be determined using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i)}{\sum_{i=1}^n U_i}$$

where:

DWA = daily calculated volume weighted average emissions in pounds per gallon coating applied.

C = VOC content of coating i , lb VOC/gal

U = actual coating i usage, gal/day

n = no. of coatings used during the day

- (d) Compliance with the VOC limitation in Condition D.4.2(a) shall be determined using a daily volume weighted average of the coatings applied less water using the following equation:

$$A = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n (U_i \times (1-D_i))}$$

where:

A = daily volume weighted average, lb VOC/gal less water

C = VOC content of coating i , lb VOC/gal

U = actual coating i usage, gal/day

D = coating $_i$ volume % water

n = no. of coatings used during the day

CE = capture efficiency of the emission system vented to the RTO

DRE =destruction or removal efficiency of the RTO

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

D.4.9 Regenerative Thermal Oxidizers (RTOs) Temperature [326 IAC 2-2] [326 IAC 8-2-2] [40 CFR 64]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the Topcoat Coating Operation ID PA-07 regenerative thermal oxidizers (Body Oven RTO with stack ID 1100 and Body Booth RTO with stack ID 1101) for measuring operating temperature. For the purposes of the condition, continuous shall mean no less than once per fifteen (15) minutes. The output of this system shall be recorded as a three (3) hour average. From the date of issuance of this permit until the approved stack test results are available, the three (3) hour rolling average operating temperature of the thermal oxidizer shall be maintained at a minimum temperature of 1400°F. Whenever the three (3) hour average temperature is below 1400°F or the three (3) hour average temperature established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) The Permittee shall determine the three (3) hour average temperature from the most recent valid stack test that demonstrates compliance with limits in conditions D.4.1 and D.4.2, as approved by IDEM.

- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the three (3) hour rolling average temperature as observed during the compliant stack test.

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

D.4.10 Water/Polymer Emulsion Wash and Dry Filters Monitoring

- (a) For Topcoat Coating Operation, identified as PA-07 – Daily inspection shall be performed prior to the paint booth's operation to verify the proper placement and configuration of the dry filters. Daily visual inspections shall be performed on the water/polymer emulsion wash system associated with Topcoat Coating Operation, identified as PA-07, during the paint booth's operation to verify the control system proper operation. A warning system shall be installed and operated that will automatically activates whenever the water/polymer emulsion circulation pump is down. Whenever a warning signal is received, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

For Blackout/Cavity wax booth, identified as PA-11- Daily inspections shall be performed during the paint booth's operation to verify the proper placement of the dry filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the Blackout/Cavity wax booth, PA-11, stack (ID 1062), while it is operating.

If a condition exists which should result in a response step, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground except during inclement weather. When a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.4.11 Parametric Monitoring [326 IAC 8-2-2] [40 CFR Part 64]

- (a) The Permittee shall determine the appropriate duct pressure or fan amperage or fan Hertz from the most recent valid stack test that demonstrates compliance with limits in condition D.4.1 and D.4.2, as approved by IDEM.
- (b) The equipment to measure fan Hertz shall be equipped with "system interlocks", which shall automatically shutdown the affected paint operations if fan Hertz is outside the normal range established in most recent compliant stack test. The interlocks shall automatically prohibit entry of additional vehicles to the spray booths.
- (c) No new vehicle shall enter the paint line as the system is in the process to empty the vehicles during shutdown.

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

D.4.12 Record Keeping Requirements [326 IAC 8-2-2]

- (a) To document the compliance status with Condition D.4.1(c) and (d), the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC emission limits established in Conditions D.4.1(c) and (d). Records necessary to demonstrate the compliance status shall be available not later than 30 days of the end of each compliance period.
- (1) The amount and VOC content of each coating material and solvent used daily for coatings applied by the Topcoat Coating Operation and Topcoat on-line repair, both identified as PA-07 and Blackout, identified as PA-11.
- (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
- (2) A log of the dates of use.
- (3) The solids content of each coating material used (as applied) for the Topcoat Coating Operation and Topcoat on-line repair, both identified as PA-07.
- (4) The calculated daily volume weighted average emission in pounds per gallon coating solids as applied from the Topcoat Coating Operation and the Topcoat on-line repair, both identified as PA-07 and the calculated daily volume weighted average emission in pounds per gallon of coating as applied from the Blackout operation, identified as PA-11.
- (b) To document the compliance status with Condition D.4.1(e), the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC emission limit established in Condition D.4.1(e). 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 content of each coating material and solvent used monthly.
- (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
- (2) The calculated monthly volume weighted average emission in pounds per gallon coating as applied from each of the Black out and Cavity Wax.
- (c) To document the compliance status with Condition D.4.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC emission limit established in Condition D.4.2. 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 content of each coating material and solvent used daily for coatings applied by the Topcoat Coating Operation and Topcoat on-line repair, both identified as PA-07.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) A log of the dates of use.
 - (3) The water content of each coating material used (as applied).
 - (4) The calculated daily volume weighted average VOC content per gallon of the coatings less water as applied from the Topcoat Coating Operation and the Topcoat on-line repair, both identified as PA-07.
- (d) To document the compliance status with Condition D.4.10, the Permittee shall maintain a log of the monthly overspray observations, records of daily visual inspection of the dry filters, dates of any water/polymer emulsion wash system warning system alarm and corrective actions taken and monthly inspections on the rooftops.
 - (e) To document the compliance status with Condition D.4.9, the Permittee shall maintain records of the continuous temperature records (on a three-hour average basis) for the Topcoat Coating Operation, identified as PA-07 regenerative thermal oxidizers (Body Oven RTO with stack ID 1100 and Body Booth RTO with stack ID 1101) and the three-hour average temperature used to demonstrate compliance during the most recent compliant stack test.
 - (f) To document the compliance status with Condition D.4.3, the Permittee shall maintain on file vendors guarantees and/or certifications for the dry filters efficiency.
 - (g) To document the compliance status with Condition D.4.11, the Permittee shall maintain records of the Body Booth RTO and Body Oven RTO shutdowns due to fan Hertz deviations
 - (h) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.4.13 Reporting Requirements

A monthly summary of the information to document the compliance status with Condition D.4.1 shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.5

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

(b) Plastics Operations:

- (1) Plastic Parts Coating Line, identified as PO-02, with a capacity of 120 hangers per hour, consisting of the following:
 - (A) Alkaline pretreatment process, identified as PO-01.
 - (B) One (1) dry-off tunnel, exhausting to stack ID 2000.
 - (C) One (1) primer spray booth, utilizing High Volume Low Pressure (HVLP) and/or electrostatic application systems, using water/polymer emulsion wash system to control particulate overspray, exhausting to stack ID 2002.
 - (D) One (1) basecoat spray booth, approved in 2006 for construction and approved in 2011 for modification, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system to control particulate overspray. If waterborne basecoat is utilized, the basecoat spray booth will exhaust to stack ID 2003 and stack ID 2004. If solventborne basecoat is utilized, the basecoat spray booth will be controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (E) One (1) clearcoat spray booth, approved in 2006 for construction and approved in 2011 for modification, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/oil emulsion wash system to control particulate overspray, and VOC emissions controlled by one (1) RTO, with a maximum heat input capacity of 14.00 MMBtu/hr, identified as Bumper RTO, with stack ID 2029.
 - (F) One (1) clearcoat flashoff area.
 - (G) One (1) plastic parts oven tunnel which consists of two zones with one (1) 2.6 MMBtu/hr burner on each zone, controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (H) One (1) natural gas-fired air makeup unit, equipped with a two-stage burner, with a combined maximum heat input capacity of 19.0 MMBtu/hr.
- (2) Plastic Parts Coating Line, identified as PO-10, approved in 2012 for construction with a capacity of 60 hangers per hour, consisting of the following:
 - (A) One (1) waterborne spray booth, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using a wet scrubber to control particulate overspray, exhausting to stack ID 2250,
 - (B) One (1) natural gas-fired oven with a maximum heat input capacity of 6 MMBtu/hr, exhausting to stack ID 2251, and
 - (C) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 5.0 MMBtu/hr.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-1-6]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the Plastic Parts Coating Line, identified as PO-02, and the plastic parts injection molding machines, identified as PO-06 and PO-07, shall be as follows:

- (a) The VOC emissions, from the primer coating process shall not exceed 0.90 pound per gallon of coating (lbs/gal) applied, based on a daily volume weighted average.
- (b) The VOC emissions from the basecoat coating booth after control when using solvent-borne basecoat, shall not exceed 1.15 lbs/gal of coating applied, based on a daily volume weighted average.
- (c) The VOC emissions after control from the clearcoat coating booth, shall not exceed 3.25 lbs/gal of coating applied, based on a daily volume weighted average.
- (d) The capture system from the clearcoat booth of the Plastic Parts Coating Line shall be vented into Bumper RTO with stack ID 2029. The Bumper RTO shall achieve a minimum destruction efficiency of ninety-five percent (95%).
- (e) The daily volume weighted average of the VOC content of the coatings applied to the Instrument Panel, shall not exceed 2.3 lbs/gallon less water of coating applied.
- (f) Good work practices which includes the following:
 - (1) The use of robotic automatic spray applicators to minimize paint usage.
 - (2) All paint mixing containers, other than day tanks equipped with continuous agitation systems, which contain organic VOC containing coatings and other materials shall have a cover with no visible gaps in place at all times except when material is being added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.
 - (3) Solvent collection containers shall be kept closed when not in use.
 - (4) Clean-up rags with solvent shall be stored in closed containers.
 - (5) VOC emissions shall be minimized during cleaning of storage, mixing, and conveying equipment.
- (g) The PSD BACT for the plastic parts production shall be the use of injection molding in the process to minimize VOC emissions.
- (h) The PSD BACT requirements for the combustion facilities in SECTION D.5, are contained in SECTION D.10.

Compliance with (a) through (f) of this condition shall satisfy the requirements of 326 IAC 8-1-6.

D.5.2 PSD BACT for PM and PM10 [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the PM and PM10 emissions from the water/polymer emulsion wash controlling the particulate emissions from the Plastic Parts Coating Line ID PO-02, shall be limited to 0.0015 grains per standard cubic foot (gr/scf) of exhaust air and 99% control efficiency. The Department may revise this permit to

adjust the PM and PM10 limitation of 0.0015 gr/scf based upon the results of the stack test required in Condition D.5.5. PM-10 includes filterable and condensable PM. Any revisions of the emissions limits made as the result of this provision shall be subject to the best available control technology (BACT) review and air quality analysis, specified in 326 IAC 2-2. The Department will provide an opportunity for public notice and comment prior to finalizing any permit revision. IC 13-15-7-3 (revocation or Modification of a Permit: appeal to Board) shall apply to this permit condition.

D.5.3 .Particulate Emissions [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate emissions from the spray booth at the Plastic Parts Coating Line, identified as PO-10, shall be controlled by a wet scrubber and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their respective control devices. 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.5.5 Regenerative Thermal Oxidizer (RTO) [326 IAC 2-2]

The basecoat booth (when using solvent-borne basecoat), the clearcoat booth and the oven exhausts from the Plastic Parts Coating Line ID PO-02 shall be vented to regenerative thermal oxidizer (Bumper RTO with stack ID 2029) at all times when the line is in operation.

D.5.6 Testing Requirements [326 IAC 2-2] [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

- (a) Within 2.5 years after the most recent valid compliance demonstration, the Permittee shall conduct performance tests of the Plastic Parts Coating Line ID PO-02, to determine compliance with the limits on VOC emissions and destruction efficiency of the regenerative thermal oxidizer (RTO #3 with stack ID 2029), utilizing methods as approved by the Commissioner. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.
- (b) Within 2.5 years after the most recent valid compliance demonstration, in order to demonstrate compliance with Condition D.5.2, the Permittee shall conduct performance tests to measure the PM/PM10 emission rates in grains per standard cubic feet of exhaust air of the water/oil emulsion wash controlling the primer booth, basecoat booth, and clearcoat booth of the Plastic Parts Coating Line (PO-02), utilizing methods as approved by the Commissioner. PM-10 includes filterable and condensable PM. This testing shall be repeated at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to performance testing required by this condition.

D.5.7 Volatile Organic Compounds (VOC) [326 IAC 2-2]

- (a) Compliance with the VOC content and usage limitations contained in Condition D.5.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

- (b) Compliance with the PSD BACT VOC limits in Condition D.5.1(a) through (c) which apply after controls to emissions from the Plastic Parts Coating Line ID PO-02 shall be determined using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1-(CE \times DRE))}{\sum_{i=1}^n U_i}$$

where:

DWA = daily calculated volume weighted average emissions in pounds per gallon coating applied.

C = VOC content of coating _i, lb VOC/gal

U = actual coating _i usage, gal/day

n = no. of coatings used during the day

CE = capture efficiency of the emission system vented to the RTO

DRE =destruction/removal efficiency of the RTO

- (c) Compliance with the PSD BACT VOC limit in Condition D.5.1(e) for coating instrument panels shall utilize the same equation in (b).

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

D.5.8 Regenerative Thermal Oxidizer (RTO) Temperature [326 IAC 2-2] [40 CFR Part 64]

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the Plastic Parts Coating Line ID PO-02, regenerative thermal oxidizer (Bumper RTO with stack ID 2029) for measuring operating temperature. For the purposes of this condition, continuous shall mean no less than once per fifteen (15) minutes. The output of this system shall be recorded as a three (3) hour average. From the date of issuance of this permit until the approved stack test results are available, the three (3) hour rolling average operating temperature of the thermal oxidizer shall be maintained at a minimum temperature of 1400°F. Whenever the three (3) hour average temperature is below 1400°F or the three (3) hour average temperature established during the latest stack test, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) The Permittee shall determine the three (3) hour average temperature from the most recent valid stack test that demonstrates compliance with limits in condition D.5.1 and D.5.2, as approved by IDEM.
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the three (3) hour rolling average temperature as observed during the compliant stack test.

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

D.5.9 Water/Polymer Emulsion Wash and Dry Filters Monitoring

- (a) For Plastic Parts Coating Line ID PO-02:
Daily inspection shall be performed prior to the Plastic Parts Coating line operation

to verify the proper placement and configuration of the dry filters. Daily visual inspections shall be performed on the water/polymer emulsion wash system associated with the Plastic Parts Coating Line ID PO-02 stacks (ID 2002, ID 2203, ID 2204, and ID 2005) while one or more of the booths are in operation to verify the control system proper operation. A warning system shall be installed and operated that will automatically activates whenever the water/polymer emulsion circulation pump is down. Whenever a warning signal is received, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground except during inclement weather. When a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.5.10 Parametric Monitoring [326 IAC 8-2-2] [40 CFR Part 64]

- (a) The Permittee shall determine the appropriate duct pressure or fan amperage or fan Hertz from the most recent valid stack test that demonstrates compliance with limit in condition D.5.1, as approved by IDEM.
- (b) The equipment to measure fan Hertz shall be equipped with "system interlocks", which shall automatically shutdown the affected paint operations if fan Hertz is outside the normal range established in the most recent compliant stack test. The interlocks shall automatically prohibit entry of additional vehicles to the spray booths.
- (c) No new vehicle shall enter the paint line as the system is in the process to empty the vehicles during shutdown.

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

D.5.11 Record Keeping Requirements [326 IAC 8-2-2]

- (a) To document the compliance status with Condition D.5.1(a), (b), (c), and (e), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC emission limits established in Conditions D.5.1(a), (b), (c), and (e). 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 content of each coating material and solvent used daily for coatings applied by the Plastic Parts Coating Line, identified as PO-02.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) A log of the dates of use.

- (3) The calculated daily volume weighted average emission in pounds per gallon of coating applied from the Plastic Parts Coating Line, identified as PO-02.
- (b) To document the compliance status with Condition D.5.9, the Permittee shall maintain a log of the monthly overspray observations, records of daily visual inspection of the dry filters, dates of any water/polymer emulsion wash system warning system alarm and corrective actions taken and monthly inspections on the rooftops.
- (c) To document the compliance status with Condition D.5.8, the Permittee shall maintain records of the continuous temperature records (on a three-hour average basis) for the Plastic Parts Coating Line ID PO-02 regenerative Bumper RTO with stack ID 2029) and the three-hour average temperature used to demonstrate compliance during the most recent compliant stack test.
- (d) To document the compliance status with Condition D.5.10, the Permittee shall maintain records of the Bumper RTO shutdowns due to fan Hertz deviations
- (e) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.5.12 Reporting Requirements

A monthly summary of the information to document compliance with Condition D.5.1 shall be submitted quarterly to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.6

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]

(c) Final Assembly Operations:

- (2) Gasoline dispensing operation, with a capacity of 70 units per hour, consisting of the following:
 - (A) Gasoline dispensing equipment, identified as AF-02, located at the assembly line, for filling new vehicles.
 - (B) One (1) gasoline storage tank, identified as FAC-99, located at the tank farm, with a capacity of 19,800 gallons, equipped with submerged fill and Stage 1 vapor balance.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.6.1 Prevention of Significant Deterioration (PSD) – Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-4-6]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the Gasoline Dispensing Facility, identified as AF-02, shall be as follows:

- (a) The throughput of gasoline to the one (1) gasoline storage tank, identified as FAC-99, shall not exceed 1,125,000 gallons per twelve consecutive month period with compliance determined at the end of each month.
- (b) The Permittee shall not allow the transfer of gasoline between any transport and any storage tank unless such tank is equipped with the following:
 - (1) A submerged fill pipe.
 - (2) Either a pressure relief valve set to release at no less than seven-tenths (0.7) pounds per square inch or an orifice of five-tenths (0.5) inch in diameter.
 - (3) A vapor balance system connected between the tank and the transport, operating according to manufacturer's specifications. The Stage I vapor recovery system shall be in operation at all times when the one (1) gasoline storage tank, identified as FAC-99 is in operation.
- (c) If the owner or employees of the owner of a gasoline dispensing facility are not present during loading, it shall be the responsibility of the owner or the operator of the transport to make certain the vapor balance system is connected between the transport and the storage tank and is operating according to manufacturer's specifications.
- (d) The Permittee shall conduct retesting for vapor leakage and blockage from all vapor collection and control systems, including the associated permanent installation, and successfully pass the test, at least every five (5) years or upon major system replacement or modification. A major system modification is considered to be replacing, repairing, or upgrading seventy-five percent (75%) or more of a vapor collection and control system of a facility.

- (e) All new vehicles produced for domestic sale that are fueled with gasoline must be equipped with Onboard Refueling Vapor Recovery (ORVR) systems. The Permittee shall limit the VOC emissions from the Gasoline Dispensing equipment, identified as AF-02, used to initially fuel new vehicles manufactured for domestic and export sales, to less than 0.54 ton per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with this condition shall satisfy the requirements of 326 IAC 8-4-6.

D.6.2 Volatile Organic Compounds (VOC) [326 IAC 8-4-9]

Pursuant to 326 IAC 8-4-9 (Leaks from transports and vapor collection systems, records) the owner of the gasoline transport system shall operate a vapor control system. The requirements are as follows:

- (a) The Permittee shall not allow a gasoline transport that is subject to this rule and that has a capacity of two thousand (2,000) gallons or more to be filled or emptied unless the owner of the gasoline transport completes the following:
 - (1) Annual leak detection testing before the end of the twelfth (12th) calendar month following the previous year's test, according to test procedures contained in 40 CFR 63.425 (e), as follows:
 - (A) Conduct the pressure and vacuum tests for the transport's cargo tank using a time period of five (5) minutes. The initial pressure for the pressure test shall be four hundred sixty (460) millimeters H₂O (eighteen (18) inches H₂O) gauge. The initial vacuum for the vacuum test shall be one hundred fifty (150) millimeters H₂O (six (6) inches H₂O) gauge. The maximum allowable pressure or vacuum change is twenty-five (25) millimeters H₂O (one (1) inch H₂O) in five (5) minutes.
 - (B) Conduct the pressure test of the cargo tank's internal vapor valve as follows:
 - (i) After completing the test under clause (A) of this condition, use the procedures in 40 CFR 60, Appendix A, Method 27 to repressurize the tank to four hundred sixty (460) millimeters H₂O (eighteen (18) inches H₂O) gauge. Close the transport's internal vapor valve or valves, thereby isolating the vapor return line and manifold from the tank.
 - (ii) Relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After five (5) minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable five (5) minute pressure increase is one hundred thirty (130) millimeters H₂O (five (5) inches H₂O).
 - (2) Repairs by the gasoline transport owner or operator, if the transport does not meet the criteria of subdivision (1) of this condition, and retesting to prove compliance with the criteria of subdivision (1) of this condition.
- (b) The annual test data remain valid until the end of the twelfth (12th) calendar month following the test. The owner of the gasoline transport shall be responsible for compliance with subsection (a) of this condition, and shall provide the Permittee or the owner of the loading facility with the most recent valid modified 40 CFR 60, Appendix A, Method 27 test results upon request. The Permittee shall take all reasonable steps,

including reviewing the test date and tester's signature, to ensure that gasoline transports loading at its facility comply with subsection (a) of this condition.

- (c) The Permittee shall:
- (1) Design and operate the applicable system and the gasoline loading equipment in a manner that prevents:
 - (A) Gauge pressure from exceeding four thousand five hundred (4,500) pascals (eighteen (18) inches of H₂O) and a vacuum from exceeding one thousand five hundred (1,500) pascals (six (6) inches of H₂O) in the gasoline transport;
 - (B) A reading equal to or greater than twenty-one thousand (21,000) parts per million as propane, from all points on the perimeter of a potential leak source when measured by the method referenced in 40 CFR 60, Appendix A, Method 21, or an equivalent procedure approved by the commissioner during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals; and
 - (C) Avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.
 - (2) Within fifteen (15) days, repair and retest a vapor balance, collection, or control system that exceeds the limits in subdivision (1) of this condition.
- (d) The department may, at any time, monitor a gasoline transport, vapor balance, or vapor control system to confirm continuing compliance with (a) of this condition.
- (e) If the commissioner allows alternative test procedures, such method shall be submitted to the U.S. EPA as a SIP revision.
- (f) During compliance tests conducted under 326 IAC 3-6 (stack testing), each vapor balance or control system shall be tested applying the standards described in subsection (c)(1)(B) of this condition. Testers shall use 40 CFR 60, Appendix A, Method 21 to determine if there are any leaks from the hatches and the flanges of the gasoline transports. If any leak is detected, the transport cannot be used for the capacity of the compliance test of gasoline storage tank, identified as FAC-99, and the one (1) gasoline dispensing unit, identified as AF-102. The threshold for leaks shall be ten thousand (10,000) parts per million methane.

D.6.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) gasoline storage tank (FAC-99), and its control device.

Compliance Determination Requirements

D.6.4 Volatile Organic Compounds [326 IAC 2-2]

- (a) In order to comply with Condition D.6.1, the Stage I vapor recovery systems for VOC control shall be in operation at all times when gasoline is being transferred, or dispensed.
- (b) Compliance with the VOC limit in Condition D.6.1(e) shall be determined by using the following equation, which calculates the tons of VOC emissions per month, and adding the result to the calculated VOC emissions from the previous eleven months:

$$E = (GwORVR \times 0.44 \text{ lbs/kgal} + Gw/o \text{ ORVR} \times 11 \text{ lbs/kgal}) / 2000 \text{ lbs/ton}$$

where :

- E = Emissions from initial fueling vehicles (tons/month)
GwORVR = Amount of gasoline used in a month to fuel new vehicles equipped with ORVR
Gw/o ORVR = Amount of gasoline used in a month to fuel new vehicles not equipped with ORVR

D.6.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) To demonstrate compliance with Condition D.6.1, the Permittee shall perform testing required in Condition D.6.2.
- (b) If the commissioner allows alternative test procedures in Condition D.6.2(c)(1)(B), such method shall be submitted to the U.S. EPA as a SIP revision.
- (c) During compliance tests conducted under 326 IAC 3-6 (stack testing), each vapor balance or control system shall be tested applying the standards described in Condition D.6.3(c)(1)(B). Testers shall use 40 CFR 60, Appendix A, Method 21 to determine if there are any leaks from the hatches and the flanges of the gasoline transports. If any leak is detected, the transport cannot be used for the capacity of the compliance test of gasoline storage tank (FAC-99) and the one (1) gasoline dispensing unit (AF-02). The threshold for leaks shall be ten thousand (10,000) parts per million methane.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.6.6 Vapor Recovery System Operation

For the Stage I vapor recovery systems in order to document compliance with Condition D.6.1, the Permittee shall perform daily checks of the key operating parameters on days in which the filling of gasoline storage tanks is conducted, including venting for the Stage I vapor recovery system.

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

D.6.7 Record Keeping Requirements [326 IAC 2-7-5] [326 IAC 8-4-9]

- (a) To document the compliance status with the sourcewide VOC limit in Condition D.6.1(a), the Permittee shall maintain records at the source that verify the throughput of gasoline received and dispensed.
- (b) To document the compliance status with Condition D.6.2, the owner or operator of a vapor balance or vapor control system subject to this section shall maintain records of all certification testing. The records shall identify the following:
- (1) The vapor balance, vapor collection, or vapor control system.
 - (2) The date of the test and, if applicable, retest.
 - (3) The results of the test and, if applicable, retest.
- (c) To document the compliance status with Condition D.6.2, the owner or operator of a gasoline transport subject to this section shall keep a legible copy of the transport's most recent valid annual modified 40 CFR 60, Appendix A, Method 27 test either in the cab of the transport or affixed to the transport trailer. The test record shall identify the following:
- (1) The gasoline transport.
 - (2) The type and date of the test and, if applicable, date of retest.
 - (3) The test methods, test data, and results certified as true, accurate, and in compliance with this rule by the person who performs the test.

This copy shall be made available immediately upon request to the department and to the owner of the loading facility for inspection and review. The department shall be allowed to make copies of the test results.

- (d) To document the compliance status with Condition D.6.2, the Permittee shall maintain records of the following:
 - (1) Certification testing required, if using an alternative testing procedure, as allowed under Condition D.6.2(e) from all vapor collection and control systems, including the associated permanent installation.
 - (2) Test required under Condition D.6.2(f).
- (e) To document the compliance status with Condition D.6.6, the Permittee shall maintain records of the key operating parameters when the Stage I vapor recovery system is in use.
- (f) To document the compliance status with Condition D.6.1(e), the Permittee shall maintain a record of the VOC emissions from the Gasoline Dispensing equipment, identified as AF-02, on a monthly and 12-month rolling total basis.
- (g) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.6.8 Reporting Requirements

- (a) A monthly summary of the information to document compliance with Condition D.6.1(a) shall be submitted quarterly to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported
- (b) A monthly summary of the VOC emissions from the Gasoline Dispensing equipment, identified as AF-02, to document the compliance status with Condition D.6.1(e), shall be submitted quarterly to the addresses listed in Section C - General Reporting Requirements of this permit using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported.
- (c) Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14):

- (6) Miscellaneous cleaning and purge operation – paint operations, consisting of the following:
 - (A) Purge and clean-up solvent usage and recovery system, identified as PA-14, including virgin solvent distribution, day tanks, small portable containers including containers that meet the definition of cold cleaners, and spent solvent recovery.
- (b) Plastics Operations:
 - (3) Two (2) plastic parts injection molding machines, identified as PO-06 and PO-07, with a combined maximum throughput of 4,050 pounds per hour plastic pellets.
- (c) Final Assembly Operations:
 - (1) Assembly window install and miscellaneous operations, identified as AF-01, with a capacity of 70 units per hour, consisting of all coatings, sealers, lubricants and related cleaning solvents used for auto assembly, including processes used to install window glass in vehicles, including body primer, glass cleaner, glass primer, and glass adhesive. Includes robotic and manual application equipment, coating delivery/circulation systems and raw material storage containers.
- (d) Weld sealer process using manual and robotic weld sealer application equipment, material delivery systems and raw material storage, identified as WE-01.
- (g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, brazing equipment, cutting torches, soldering equipment, welding equipment:
 - (2) Body welding and finishing, identified as WE-02, approved in 2006 for construction and approved in 2012 for modification to add fifty-six (56) robotic welders using resistance welding and grinding, and MIG welding stations. The SR station "Stationary Robots" and backup MIG welding and grinding operations are controlled by cartridge filters.

Insignificant Activities

- (z) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 26 lb/day PM; 5 lb/hr or 25 lb/day SO₂; 5 lb/hr or 25 lb/day NO_x; 3 lb/hr or 15 lb/day VOC; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:
 - (5) Eight (8) cold cleaner degreasers, identified as ST-02, MS-02, WE-07, AF-05, VQ-01, PA-27, PO-20 and FAC-176, located at designated areas.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.7.1 Prevention of Significant Deterioration (PSD) – Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology for Volatile Organic Compounds (VOC) for the following emission units shall be as follows:

- (a) The annual VOC usages of wiping/cleaning solvents and purge solvents from the Plastic operations, identified as PO-05, minus the amount of VOC in the purge material collected shall be limited to 39.12 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This VOC limit shall account for the capture efficiency from the purge solvent capture systems used each time that any coating applicator is purged.
- (b) The annual VOC usages of wiping/cleaning solvents and purge solvents from the Body Painting operations, identified as PA-14, minus the amount of VOC in the purge material collected shall be limited to 67.09 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This VOC limit shall account for the capture efficiency from the purge solvent capture systems used each time that any coating applicator is purged.
- (c) The monthly volume weighted average of the VOC content of the coatings used at the Weld Sealer (WE-01), shall not exceed 0.30 pound per gallon of coating (lbs/gal) as applied.
- (d) The monthly volume weighted average of the VOC content of the coatings used in the Assembly Window Install and Miscellaneous operations, identified as AF-01, shall not exceed 0.40 pounds of VOC per gallon of coating, as applied (lb/gal of coating). The annual VOC emissions from this operation shall not exceed 24.78 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (e) The purge solvent capture systems from the body paint coating operations shall have a minimum purge solvent capture efficiency of 90%.
- (f) The purge solvent capture systems from the plastic painting operation shall have a minimum purge solvent capture efficiency of 85%.
- (g) Collected purge materials from the body paint coating lines and plastic painting lines shall be retained in closed containers until recycled on-site or shipped offsite for recycling or disposal.
- (h) The total plant-wide VOC emissions from the miscellaneous operations in this SECTION D.7, which is the summation of the VOC emissions in (a) through (d) of this condition, shall not exceed 134.9 tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (i) The PSD BACT requirements for the combustion facilities in SECTION D.7, are contained in SECTION D.10.

Compliance with this condition shall satisfy the requirements of 326 IAC 2-2.

D.7.2 Cleaning Work Practices [326 IAC 2-2]

The following work practices for cleaning and solvent purging operations shall be observed:

- (a) Use of plastic and paper masking to cover certain equipment in booths and floors around the booths to reduce solvent usage;
- (b) Capture of paint line cleaning solvent for off-site recycling or disposal to reduce VOC emissions;
- (c) Use of low VOC or water-based solvents in certain processes, where applicable, (water-based grate masking, high pressure blasting);

- (d) Use of metal shot blasting and alkaline painting stripping;
- (e) Avoid spillage and splashing during handling of solvent, and if spillage, splashing, or leaks occur, they should be repaired or corrected immediately;
- (f) Use covers or closed containers for both fresh and waste cleaning solvent;
- (g) Avoid using absorbent or porous items, such as rags, bags, etc., for handling the solvent-wetted items; and
- (h) Use closed containers to store or dispose of cloth, paper or other material impregnated with VOC.

In addition to these work practices, multi-feed paint lines directly to automatic applicators shall be installed, which reduces the amount of paint lines that need to be cleaned.

D.7.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

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

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

D.7.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser without remote solvent reservoirs constructed after July 1, 1990, shall ensure that the following requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38oC) (one hundred degrees Fahrenheit (100oF));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38oC) (one hundred degrees Fahrenheit (100oF)), then the drainage facility must be internal such that articles are enclosed under

the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38oC) (one hundred degrees Fahrenheit (100oF)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9oC) (one hundred twenty degrees Fahrenheit (120oF)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.7.5 PSD BACT for PM and PM10 [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, Best Available Control Technology (BACT), the PM and PM10 emissions from the cartridge filters controlling the body shop welding and finishing (WE-02 and WE-03) shall be limited to 0.0015 grains per standard cubic foot (gr/scf) of exhaust air and 99% control efficiency. PM-10 includes filterable and condensable PM.

D.7.6 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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.

Compliance Determination Requirements

D.7.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-4(a)(3)] [326 IAC 8-1-2(a)] [326 IAC 2-2]

Compliance with the VOC content and usage limitations contained in Condition D.7.1(a), (b), (c), (d), and (h) shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied"

VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.7.8 Volatile Organic Compounds (VOC) [326 IAC 8-1-2(a)(7)]

(a) Compliance with the VOC limits for the solvent purging operation in Condition D.7.1(e) and (f) shall be determined through the following:

- (1) Purge solvent usage and collection shall be monitored separately for the Plastic operations and Body Painting operations. For each of the Plastic operations and Body Painting coating systems, the Permittee shall record the volume of purge solvent delivered to the spray applicators, and shall use collection and shipping records to monitor the volume of the purge materials collected for recycling or disposal. The purge material collection/capture, as a percentage of purge solvent usage shall be determined on a monthly basis as follows:

$$\text{Purge Solvent Collection/Capture Efficiency} = \frac{S_r * \text{VOC}_r}{P_u * \text{VOC}_v}$$

Where:

S_r = Purge material collected and/or shipped for recovery (gallons)

P_u = Purge solvent usage (gallons)

VOC_v = VOC content virgin purge (lb/gal)

VOC_r = VOC content in purge materials collected and/or shipped for recovery (lb/gal)

(b) Pursuant to 326 IAC 8-1-2(a)(7), when volume weighted averaging of the coatings is used to determine compliance with the limitation set in Conditions D.7.1(c) and D.7.1(d), shall be determined by the following equation:

$$A = \frac{\sum_{i=1}^n (C_i)(U_i)}{\sum_{i=1}^n U_i}$$

where:

A = monthly calculated volume weighted average emissions in pounds per gallon coating applied.

C = VOC content of coating i, lb VOC/gal

U = actual coating i usage, gal/month

n = no. of coatings used during the day

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

There are no specific Compliance Monitoring Requirements applicable to these emission units.

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

D.7.9 Record Keeping Requirements

(a) To document the compliance status with Condition D.7.1(a) and (b), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC usage limits and the VOC emission limits established in Condition D.7.1(a) and (b). Records necessary to demonstrate compliance shall be available not later than thirty (30) days of the end of each compliance period.

- (1) The amount and VOC content of each wiping/cleaning solvent and each purge solvent used monthly from the purge and clean-up solvent and recovery systems for the Paint Operations (PA-14) and the Plastic Operations (PO-05).
 - (A) Records shall include, but not limited to, purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (2) The amount and percentage of purge material collected and/or shipped on a monthly basis.
 - (3) The calculated monthly VOC emissions from the wiping/cleaning and purge solvent usage from the purge and clean-up solvent and recovery systems for the Paint Operations (PA-14) and the Plastic Operations (PO-05).
- (b) To document the compliance status with Condition D.7.1(c) and (d), the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC usage limits and the VOC emission limits established in Condition D.7.1(c) and (d). Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (1) The amount and VOC content of each coating, sealer, and adhesive material, and each solvent used monthly from the Weld Sealer (WE-01) and from the Assembly Window Install and Miscellaneous operations (AF-01).
 - (A) Records shall include, but not limited to, purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (2) The calculated monthly volume weighted average VOC emitted in pounds per gallon of the coatings used as applied, (sealers, adhesives, oils) for each month.
- (c) To document the compliance status with Condition D.7.5, the Permittee shall maintain on file vendors guarantees and/or certifications for the cartridge filters efficiency.
- (d) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.7.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.7.1 shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

Insignificant Activities

- (c) The following VOC and HAP storage containers:
- (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
 - (A) Two (2) diesel fuel storage tanks for fire pumps, identified as FAC-93 and FAC-94, each with a capacity of 300 gallons, each equipped with submerged fill.
 - (B) Three (3) diesel fuel storage tanks for generators, identified as FAC-95, FAC-177 and FAC-178, each with a capacity of 150 gallons.
- (z) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 26 lb/day PM; 5 lb/hr or 25 lb/day SO₂; 5 lb/hr or 25 lb/day NO_x; 3 lb/hr or 15 lb/day VOC; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:
- (1) Windshield washer fluid fill operation, with a capacity of 70 units per hour, consisting of the following:
 - (A) Water/methanol fluid mixing and dispensing equipment, identified as AF-03, located at the assembly line, for filling new vehicles.
 - (B) One (1) windshield washer fluid storage tank, identified as FAC-102, located at the tank farm, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (2) The following tanks, located at the Tank Farm:
 - (A) One (1) automatic transmission fluid storage tank, identified as FAC-96, with a capacity of 10,000 gallons, equipped with submerged fill. [326 IAC 12]
 - (B) One (1) antifreeze storage tank, identified as FAC-103, with a capacity of 10,000 gallons, equipped with submerged fill. [326 IAC 12]
 - (C) One (1) brake fluid storage tank, identified as FAC-98, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (D) One (1) power steering fluid storage tank, identified as FAC-204, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (E) One (1) manual transmission fluid storage tank, identified as FAC-104, with a capacity of 2,000 gallons, equipped with submerged fill.
 - (F) One (1) diesel fuel storage tank for yard truck operations, identified as MS-01, with a capacity of 3,000 gallons, equipped with submerged fill.
 - (3) The following tanks, located at the Utility Building:
 - (A) One (1) diesel fuel storage tank, identified as FAC-90, with a capacity of 2,000 gallons, equipped with submerged fill.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.8.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, VOC BACT for the facilities described in this section is the following:

- (a) All diesel fuel and windshield washer storage tanks in this section shall be equipped with:
 - (1) a fixed roof, and
 - (2) a submerged fill pipe.

D.8.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

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 D.9

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)] Repair Operations

Insignificant Activities

- (a) Painting Operations:
- (3) Topcoat in-line repair, which includes repair area for small interior topcoat, imperfections, manual application equipment, identified as PA-09.
 - (7) Final Repair, identified as PA-12, which includes repair coating booths and general areas, using manual application systems, and IR curing equipment.
 - (8) Final Repair – Air Dry, identified as PA-13, using air dry materials and manual application system.
 - (10) Plastic Parts Touch-up Booth, identified as PO-17, using dry filters for particulates control and manual application systems.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.9.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-2-2]

- (a) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), and 326 IAC 8-2-2, the VOC content of the coatings used in the Final Repair, identified as PA-12, shall not exceed a daily volume weighted average of 4.8 pounds per gallon of coatings less water as applied.
- (b) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the VOC usage from Final Repair-Air dry, identified as PA-13, shall be less than 15 pounds per day. Compliance with this limit shall make 326 IAC 8-2-2, not applicable.
- (c) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the VOC usage from Topcoat in-line repair, identified as PA-09, shall be less than 15 pounds per day. Compliance with this limit shall make 326 IAC 8-2-2, not applicable.
- (d) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the VOC usage from Plastic Parts Touch-up booth, identified as PO-17, shall be less than 10.0 pounds per day.

D.9.2 PSD BACT for PM and PM10 [326 IAC 2-2]

Pursuant to 326 IAC 2-2, Best Available Control Technology (BACT), the PM and PM10 emissions from the dry filters controlling the Final Repair, identified as PA-12 and Plastic Parts Touch-up Booth, identified as PO-17, shall be limited to 0.0015 grains per standard cubic foot (gr/scf) of exhaust air and 98% control efficiency. PM-10 includes filterable and condensable PM.

D.9.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their respective control devices. 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.9.4 Volatile Organic Compounds (VOC) [326 IAC 2-2]

- (a) Compliance with the VOC content and usage limitations contained in Condition D.9.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
- (b) Compliance with the PSD BACT VOC limits in Condition D.9.1(a) shall be determined using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i)}{\sum_{i=1}^n U_i}$$

where:

DWA = daily calculated volume weighted average emissions in pounds per gallon coating applied.

C = VOC content of coating i , lb VOC/gal

U = actual coating i usage, gal/day

n = no. of coatings used during the day

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

D.9.5 Dry Filters Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the Final Repair, identified as PA-12 stack (ID 1063) and Plastic Parts Touch-up Booth, identified as PO-17 stack (ID 2010) while the repair is in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground, except during inclement weather. When a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.9.6 Record Keeping Requirements [326 IAC 8-2-2]

- (a) To document the compliance status with Condition D.9.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish the compliance status with the VOC emission limits established in Condition D.9.1. 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 content of each coating material and solvent used daily for coatings applied by the Topcoat in-line repair, identified as PA-09, Final Repair, identified as PA-12, and Final Repair-Air Dry, identified as PA-13.
 - (A) Records shall include, but not limited to purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup.
 - (2) A log of the dates of use.
 - (3) The calculated daily volume weighted average VOC emission in pounds per gallon as applied from Final Repair, identified as PA-12.
 - (4) The calculated daily VOC emissions from Topcoat in-line repair, identified as PA-09, Final Repair-Air Dry, identified as PA-13, and Plastic Parts Touch-up Booth, identified as PO-17.
- (b) To document the compliance status with Condition D.9.5, the Permittee shall maintain a log of the weekly overspray observations, and the daily and monthly inspections.
 - (c) To document the compliance status with Condition D.9.2, the Permittee shall maintain on file vendors guarantees and/or certifications for the dry filters efficiency.
 - (d) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.9.7 Reporting Requirements

A monthly summary of the information to document compliance with Condition D.9.1 shall be submitted quarterly to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.10

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]: – Various Combustion Units

- (a) Body Painting Operations:
- (1) Electrodeposition (E-Coat) Coating Line, identified as PA-02, with a capacity of 72 units per hour, consisting of the following:
 - (B) One (1) Electrodeposition coating dip tank, rinse stages and E-Coat oven controlled by one (1) natural gas-fired regenerative thermal oxidizer (RTO), with a maximum heat input capacity of 14 million British thermal units per hour (MMBtu/hr), identified as RTO #1 with stack ID 1100.
 - (C) One (1) E-Coat pre-heat zone, with a maximum heat input capacity of 3.7 MMBtu/hr, exhausting to stack ID 1003.
 - (D) One (1) natural gas-fired E-coat 5-stage oven tunnel, approved in 2006 for construction; and approved in 2012 for modification to extend the oven and add one (1) burner which consists of five (5) oven zones, each with a heat input capacity of 3.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (3) Primer/Surfacer Coating Line, identified as PA-05, with a capacity of 80 units per hour, consisting of the following:
 - (B) One (1) Primer/Surfacer flashoff area, with two (2) natural gas-fired heaters, one with a maximum heat input capacity of 3.5 MMBtu/hr and one with a maximum heat input capacity of 2.6 MMBtu/hr.
 - (C) One (1) natural gas-fired Primer/Surfacer, 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zones #1, #2, and #4, each with a heat input capacity of 2.6 MMBtu/hr and oven zone #3 and #5 with a heat input capacity of 1.7 MMBtu/hr each, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (D) One (1) oven exit hood exhaust, exhausting to stack ID 1021.
 - (F) Air make-up units as follows:
 - (i) One (1) natural gas-fired air makeup unit, for the primer/surfacer line, equipped with a two-stage burner, with a combined maximum heat input capacity of 7.8 MMBtu/hr.
 - (4) Topcoat Coating Operation, identified as PA-07, with two (2) Topcoat Lines #1 and #2, with a total capacity of 88 units per hour, consisting of the following:
 - (B) Two (2) basecoat flashoff areas, each with one (1) natural gas-fired heater, each with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1033 and stack ID 1044.
 - (D) One (1) natural gas-fired Topcoat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zone #1, with a heat input capacity of 3.5 MMBtu/hr, oven zone #2, with a heat input capacity of 2.6 MMBtu/hr, and oven zones #3, #4 and #5 each with a heat input capacity of 1.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.

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FACILITY OPERATION CONDITIONS

- (F) One (1) oven exit hood exhaust, exhausting to stack ID 1037.
- (G) Topcoat on-line repair, identified as PA-07, which includes:
 - (iii) One (1) natural gas-fired repair oven, with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1058.
- (H) Air makeup units as follows:
 - (i) Two (2) natural gas-fired air makeup units (Basecoat #1 ASH and Basecoat #2 ASH), for the Topcoat Lines #1 and #2 basecoat booths, each equipped with a two-stage burner, each with a combined maximum heat input capacity of 8.0 MMBtu/hr.
 - (ii) Two (2) natural gas-fired air makeup units (Clearcoat #1 ASH and Clearcoat #2 ASH), for Topcoat Lines #1 and #2 clearcoat booths, each equipped with a two-stage burner, each with a combined maximum heat input capacity of 5.0 MMBtu/hr.
 - (iii) One (1) natural gas-fired air makeup unit, for the topcoat on-line repair operations, equipped with a two-stage burner (Repair ASH 1 and Repair ASH 2), with a combined maximum heat input capacity of 12.2 MMBtu/hr.
- (8) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 20.0 MMBtu/hr, identified as (Working Area ASH #1, PA-21).
- (9) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 8.0 MMBtu/hr, identified as (Working Area ASH #2, PA-22).
- (10) One (1) natural gas -fired makeup unit with a maximum heat input capacity of 5.0 MMBtu/hr, identified as (Working Area ASH #3, PA-23).
- (11) One (1) natural gas-fired HVAC units, identified as HVAC ASH #2, PA-25, each with a maximum heat input capacity of 13.0 MMBtu/hr.
- (12) One (1) natural gas-fired HVAC unit, with a maximum heat input capacity of 8.00 MMBtu/hr, identified as HVAC #3 ASH, PA-26.
- (b) Plastics Operations:
 - (1) Plastic Parts Coating Line, identified as PO-02, with a capacity of 120 hangers per hour, consisting of the following:
 - (E) One clearcoat spray booth, utilizing High Volume Low Pressure (HVLV) and electrostatic bell application systems, using water wash or oil emulsion system to control particulate overspray, and VOC emissions controlled by one (1) RTO, with a maximum heat input capacity of 14.0 MMBtu/hr, identified as Bumper RTO with stack ID 2029.
 - (G) One (1) plastic parts oven tunnel which consists of two (2) zones with one (1) 2.6 MMBtu/hr burner on each zone, controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (H) One (1) natural gas-fired air makeup unit, equipped with a two-stage burner, with a combined maximum heat input capacity of 19.0 MMBtu/hr.
 - (2) Plastic Parts Coating Line, identified as PO-10, approved in 2012 for construction with a capacity of 60 hangers per hour, consisting of the following:

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FACILITY OPERATION CONDITIONS

- (B) One (1) natural gas-fired oven with a maximum heat input capacity of 6 MMBtu/hr, exhausting to stack ID 2251.
- (C) One (1) natural gas fired air makeup unit with a maximum heat input capacity of 5.0 MMBtu/hr.
- (e) Two (2) diesel fired emergency generators, identified as FAC-84 and FAC-85, each with a rated capacity of 757 HP.
- (f) One (1) diesel fired back-up generator, identified as FAC-86, with a rated capacity of 158 HP.

Insignificant Activities

- (b) Space heaters, process heaters, or boilers using the following fuels: Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
 - (1) One (1) natural gas-fired hot water heater (FAC-110) for the purpose of supplying hot water to the café kitchen, with a maximum heat input capacity of 0.50 MMBtu/hr.
 - (2) Four (4) natural gas-fired hot water generators, located in the body painting area, with a combined maximum heat input capacity of 24.5 MMBtu/hr.
 - (3) One (1) natural gas-fired air makeup unit for the Primer/Surfacer sanding and inspection booth (PA-06), with a maximum heat input capacity of 6.4 MMBtu/hr.
 - (4) Twenty-eight (28) natural gas-fired space heaters (FAC-53 through FAC-72 with a combined maximum heat input capacity of 2.6 MMBtu/hr and (FAC-73 through FAC-80 with a combined maximum heat input capacity of 0.8 MMBtu/hr.
 - (5) Natural gas-fired HVAC units (FAC-01 through FAC-07, FAC-11 through FAC-20, FAC-26 through FAC-30, FAC-32, FAC-35 through FAC-37, FAC-39 through FAC-41, FAC-43 through FAC-52, FAC-146 and FAC-147), with a combined maximum heat input capacity of 87.36 MMBtu/hr.
 - (6) Forty three (43) natural gas-fired space heaters (FAC-117 through FAC-130, FAC-133 through FAC-139, FAC-148 through FAC-150 and FAC-151 through FAC-169), with a combined maximum heat input capacity of 6.83 MMBtu/hr.
 - (7) Four (4) natural gas-fired HVAC units (FAC-116, FAC-131, FAC-132 and FAC-140), with a combined maximum heat input capacity of 2.13 MMBtu/hr.
- (r) Emergency generators as follows: Diesel generators not exceeding 1600 horsepower.
 - (1) One (1) substation emergency generator, identified as FAC-81, with a capacity of 133 horsepower (HP).
 - (2) One (1) Consolidation Center emergency generator, identified as FAC-89, with a capacity of 133 HP.
 - (3) One (1) Credit Union building emergency generator, identified as FAC-115, with a capacity of 133 HP.

SECTION D.10 FACILITY OPERATION CONDITIONS

- (s) Other emergency equipment as follows: Stationary fire pumps.
 - (1) Two (2) stationary fire pumps, identified as FAC-82 and FAC-83, each with a rated capacity of 183 horsepower.
 - (t) Emergency generators as follows: Gasoline generators not exceeding 110 horsepower.
 - (1) Two (2) emergency generators, identified as FAC-145 and FAC-175, with a capacity of 5.5 HP each.
- (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.10.1 Prevention of Significant Deterioration (PSD) CO Minor Limit [326 IAC 2-2]

The CO emissions from all natural gas combustion units in this SECTION D.10 shall not exceed 187.6 pounds per million cubic feet (lb/MMCF), and the total natural gas fuel usage shall be limited to 976 million cubic feet (1,000,000 decatherms) per 12 consecutive month period with compliance determined at the end of each month. Compliance with this limit in conjunction with the PTE of eight (8) emergency generators, identified as FAC-81, FAC-84, FAC-85, FAC-86, FAC-89, FAC-115, FAC-145, FAC-175 and two (2) emergency fire pumps, identified as FAC-82 and FAC-83, limits the CO emissions to less than 100 tons per year, which renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable for CO emissions.

D.10.2 Prevention of Significant Deterioration (PSD) – Best Available Control Technology for Particulate Emissions (PM) and Nitrogen Oxides (NOx) [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the generators, identified as FAC-81 and FAC-84 through FAC-86, and the fire pumps, identified as FAC-82 and FAC-83, shall be as follows:

Emission Unit IDs	Emission Limitation		
	Operating Hours per year	NOx	PM
FAC-81 Substation Generator (133 hp), FAC-89 Consolidation Center Generator (133 hp), FAC-115 Credit Union Generator (133 hp)	500	3 g/hp-hr Use of Ultra Low Sulfur Diesel (ULSD)	0.22 g/hp-hr Use of ULSD
FAC-82, FAC-83: Fire Pumps (183 hp each)	500	7.8 g/hp-hr Use of ULSD	0.4 g/hp-hr Use of ULSD
FAC-84, FAC-85: Emergency Generators (757 hp, each)	500	4.5 g/hp-hr Use of ULSD	0.15 g/hp-hr Use of ULSD
FAC-86, 158 hp backup generator	500	3 g/hp-hr Use of ULSD	0.22 g/hp-hr Use of ULSD

Note: ULSD (Ultra Low Sulfur Diesel)

- (b) Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the Natural Gas Combustion (small heaters < 15 MMBtu/hr maximum heat input capacity), shall be as follows:

Emission Unit IDs	Emission Limitation (lb/MMBTU)	
	NOx	PM
FAC-01 through FAC-07, FAC-11 through FAC-19, FAC-35, FAC-116, PA-05 air supply house, PA-06 air supply house, PA-07 air supply house, PA-21 through PA-26, PO-02	0.08 lb NOx/MMBtu	0.0075 lb PM/MMBtu Natural gas only
FAC-20, FAC-26, FAC-28, FAC-29, FAC-32, FAC-37, FAC-41, FAC-43 through FAC-52, FAC-140, FAC-146, FAC-147	0.10 lb NOx/MMBtu	0.0075 lb PM/MMBtu Natural gas only Propane for FAC-37, FAC-41, and FAC-140
PA-20	0.04 lb NOx/MMBtu	
PA-02 bake oven, PA-05 bake oven zones 3, 4 & 5, PA-07 repair oven, PO-02 bake oven zone 2, PA-07 zones 3, 4 & 5	0.02 lb NOx/MMBtu	0.0075 lb PM/MMBtu Natural gas only
FAC-27, FAC-30	0.10 lb NOx/MMBtu	
PA-05 flash off heaters 1 and 2, PA - 05 bake oven zones 1 and 2, PA-07 basecoat flash off heaters 1 and 2, PA-07 topcoat bake oven zones 1 and 2, PO-02 bake oven zone 1	0.048 lb NOx/MMBtu	0.0075 lb PM/MMBtu Natural gas only
FAC-36, FAC-39, FAC-40, FAC-53 through FAC-80, FAC-110, FAC-117 through FAC-139, FAC-148 through FAC-169, 3 regenerative thermal oxidizers	0.10 lb NOx/MMBtu	0.0075 lb PM/MMBtu Natural gas only

(c) Pursuant to 326 IAC 2-2-3, low NOx burners shall be installed, maintained, and operated on the above combustion sources in (a) and (b) of this condition.

D.10.3 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the following facilities shall be limited to 0.38 pound per million British thermal units (lb/mmBtu):

FAC-20, FAC-26 through FAC-30, FAC-32, FAC-35 through FAC-37, FAC-39 through FAC-41, FAC-43 through FAC-80, FAC-117 through, FAC-140, FAC-146 through FAC-169, FAC-110, PA-05, PA-07, and PO-02 (burners for heated flash areas and bake ovens);
PA-20 (process water heaters) and the café water heaters (FAC-110 and FAC-111).

The limit shall be established using the following equation:

$$Pt = 1.09/(Q^{0.26})$$

Where: Pt = Pounds of particulate matter emitted per million BTU (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr)
Q = 58.3 MMBtu heat input

Compliance Determination Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

D.10.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11] [326 IAC 2-2]

In order to demonstrate compliance with the NO_x limits in Condition D.10.2, the Permittee shall conduct performance tests utilizing methods as approved by the Commissioner at least once every two and one half (2.5) years from the date of the most recent valid compliance demonstration for the following emission units:

- (a) One RTO
- (b) One ASH rated at 17 MMBtu/hr (PO-02); and
- (c) One (1) of the following ASH units:
 - (1) Basecoat #1 or #2 ASH each, with 8.0 MMBtu/hr (PA-07)

The NO_x testing for the RTOs shall be repeated at least once every two and half (2.5) years from the date of the most recent valid compliance demonstration. Testing of the RTOs shall be conducted such that every seven and half (7.5) years each of the three (3) RTOs is tested.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

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

D.10.5 Record Keeping Requirements

- (a) To document the compliance status with Condition D.10.1, the Permittee shall maintain records of the total natural gas usage from all combustion units in this SECTION.
- (b) To document the compliance status with Condition D.10.2, the Permittee shall maintain on file vendors guarantees and/or certifications for NO_x emissions, excluding space heaters used for comfort, where guarantees and/or certifications are not readily available.

D.10.6 Reporting Requirements

Report of monthly natural gas usage to document the compliance status with Condition D.10.1 shall be submitted to IDEM, OAQ using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (34).

SECTION D.11 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

Insignificant Activities:

- (a) Painting Operations:
 - (1) E-Coat sanding and inspection booth, identified as PA-04, using dry filters for particulate control, exhausting to general ventilation.
 - (2) Primer/Surfacer sanding and inspection booth, identified as PA-06, using dry filters for particulate control, exhausting to general ventilation.
- (k) Noncontact cooling tower systems with forced and/or induced draft cooling tower system not regulated under a NESHAP.
 - (1) One (1) forced draft chiller cooling tower, identified as FAC-105, with a capacity of 20,000 gallons per minute.
 - (2) One (1) forced draft air compressor cooling tower, identified as FAC-107, with a capacity of 940 gallons per minute.
- (o) Paved and unpaved roads and parking lots with public access.
- (w) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
 - (1) One (1) tumbleblast unit, identified as PA-15.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.11.1 PSD BACT for PM and PM10 [326 IAC 2-2]

- (a) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the PM and PM10 emissions from each dry filters controlling the E-Coat sanding and inspection booth, identified as PA-04, and Primer/Surfacer sanding and inspection booth, identified as PA-06, shall each be limited to 0.0015 grains per standard cubic foot (gr/scf) of exhaust air and 98.5% control efficiency.
- (b) Pursuant to 326 IAC 2-2-3, Best Available Control Technology (PSD BACT), the PM and PM10 emissions from the cartridge filters controlling the tumbleblast unit, identified as PA-15, shall be limited to 0.0032 gr/scf of exhaust air and 0.0045 pounds per hour (lb/hr).
- (c) The cooling towers shall be controlled by drift eliminators with 0.002% drift. The Permittee shall submit to IDEM, OAQ design specification of the cooling towers upon initial start up of the cooling towers.
- (d) The Permittee shall minimize unpaved roads through ground cover in the form of grass, landscaping to prevent erosion and subsequent deposition of windborne particulate upon the roads. Use water to suppress fugitive dust from paved and unpaved roads when necessary.

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

D.11.2 Record Keeping Requirements

To document the compliance status with Condition D.11.1, the Permittee shall maintain on file vendors guarantees and/or certifications for the dry filters and cartridge filters efficiencies.

SECTION E.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]

(a) Body Painting Operations:

- (1) Electrodeposition (E-Coat) Coating Line, identified as PA-02, with a capacity of 72 units per hour, consisting of the following:
 - B) One (1) Electrodeposition coating dip tank, rinse stages and E-Coat oven, approved in 2006 for construction and approved in 2012 for modification, controlled by one (1) natural gas-fired regenerative thermal oxidizer (RTO), with a maximum heat input capacity of 14 million British thermal units per hour (MMBtu/hr), identified as Body Oven RTO with stack ID 1100
 - (C) One (1) E-Coat pre-heat zone, with a maximum heat input capacity of 3.7 MMBtu/hr, exhausting to stack ID 1003.
 - (D) One (1) natural gas-fired E-coat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner which consists of five (5) oven zones, each with a heat input capacity of 3.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1006.

Under 40 CFR 60, Subpart MM, this operation is considered a prime coat operation.

- (3) Primer/Surfacer Coating Line, identified as PA-05, with a capacity of 80 units per hour, consisting of the following:
 - (A) One (1) Primer/Surfacer spray coating booth, approved in 2006 for construction, approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system and dry filters to control particulate overspray, exhausting to stack ID 1014 and stack ID 1015.
 - (B) One (1) Primer/Surfacer flashoff area, with two (2) natural gas-fired heaters, one with a maximum heat input capacity of 3.5 MMBtu/hr and one with a maximum heat input capacity of 2.6 MMBtu/hr.
 - (C) One (1) natural gas-fired Primer/Surfacer, 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zones #1, #2, and #4, each with a heat input capacity of 2.6 MMBtu/hr and oven zone #3 and #5 with a heat input capacity of 1.7 MMBtu/hr each, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (D) One oven exit hood exhaust, exhausting to stack ID 1021.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1022.

Under 40 CFR 60, Subpart MM, this operation is considered a guide coat operation.

- (4) Topcoat Coating Operation, identified as PA-07, with two (2) Topcoat Lines #1 and #2, approved in 2006 for construction and approved in 2012 for modification with a total capacity of 88 units per hour, consisting of the following:
- (A) Two (2) basecoat spray booths, approved in 2006 for construction and approved in 2012 modification to add four (4) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash systems and dry filters to control particulate overspray, exhausting to stack ID 1032 and stack ID 1043.
 - (B) Two (2) basecoat flashoff areas, each with one (1) natural gas-fired heater, each with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1033 and stack ID 1044.
 - (C) Two (2) clearcoat spray booths, each approved in 2006 for construction each approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems. The automatic zones use water/polymer emulsion wash systems to control particulate overspray and the manual zones use dry filters. The manual zones are cascaded to the automatic zones, and the automatic zones are controlled by one (1) RTO, identified as Body Booth RTO with stack ID 1101.
 - (D) One (1) natural gas-fired Topcoat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zone #1, with a heat input capacity of 3.5 MMBtu/hr, oven zone #2, with a heat input capacity of 2.6 MMBtu/hr, and oven zones #3, #4 and #5, each with a heat input capacity of 1.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1041.
 - (F) One (1) oven exit hood exhaust, exhausting to stack ID 1037.

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

E.1.1 General Provisions Relating to NSPS MM [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart MM.

E.1.2 Automobiles and Light-Duty Trucks NSPS [40 CFR Part 60, Subpart MM]

The Permittee which engages in automobiles and light duty trucks production shall comply with the provisions of 40 CFR Part 60, Subpart MM, as follows:

- 40 CFR Part 60.390
- 40 CFR Part 60.391
- 40 CFR Part 60.392
- 40 CFR Part 60.393
- 40 CFR Part 60.394
- 40 CFR Part 60.395
- 40 CFR Part 60.396
- 40 CFR Part 60.397
- 40 CFR Part 60.398

SECTION E.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]

- (e) Two (2) diesel fired emergency generators, identified as FAC-84 and FAC-85, each with a rated capacity of 757 HP. Under 40 CFR 60, Subpart IIII, these units are considered model year 2007 stationary internal combustion engines.
- (f) One diesel fired back-up generator, identified as FAC-86, with a rated capacity equal to or less than 158 HP. Under 40 CFR 60, Subpart IIII, this unit is considered a model year 2007 stationary internal combustion engine.

Insignificant Activities

- (s) Emergency generators as follows: Diesel generators not exceeding 1600 horsepower.
 - (1) Three (3) emergency generators, identified as FAC-81, FAC-89 and FAC-115, each with a capacity of 133 HP Under 40 CFR 60, Subpart IIII, these units are considered model year 2007 emergency stationary internal combustion engines.
- (t) Other emergency equipment as follows: Stationary fire pumps.
 - (1) Two (2) stationary fire pumps, identified as FAC-82 and FAC-83, each with a rated capacity of 183 HP. Under 40 CFR 60, Subpart IIII, these units are considered model year 2007 fire pump engines.

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

E.2.1 General Provisions Relating to NSPS IIII [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart IIII.

E.2.2 Performance Standards for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60, Subpart IIII]

Pursuant to 40 CFR Part 60, Subpart IIII, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart IIII, as follows:

- 40 CFR 60.4200(a)(2)(i), (4)
- 40 CFR 60.4205(b), (c)
- 40 CFR 60.4206
- 40 CFR 60.4207(b)
- 40 CFR 60.4208
- 40 CFR 60.4209
- 40 CFR 60.4211(a), (c)
- 40 CFR 60.4212
- 40 CFR 60.4214(b)
- 40 CFR 60.4218
- 40 CFR 60.4219
- Table 2 to Subpart IIII of Part 60 (the applicable portions)
- Table 4 to Subpart IIII of Part 60 (the applicable portions)
- Table 8 to Subpart IIII of Part 60 (the applicable portions)

SECTION E.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]

- (t) Emergency generators as follows: Gasoline generators not exceeding 110 horsepower
- (1) Two (2) emergency generators, identified as FAC-145 and FAC-175, with a capacity of 5.5 HP each.

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

E.3.1 General Provisions Relating to NSPS JJJJ [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart JJJJ.

E.3.2 Standard of Performance for Stationary Spark Ignition Internal Combustion Engines [40 CFR Part 60, Subpart JJJJ]

Pursuant to 40 CFR Part 60, Subpart JJJJ, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart JJJJ, as follows:

- 40 CFR Part 60.4230(a)(4)(iii)
- 40 CFR Part 60.4233(a)
- 40 CFR Part 60.4234
- 40 CFR Part 60.4235
- 40 CFR Part 60.4243(a)(2)(i)
- 40 CFR Part 60.4244
- 40 CFR Part 60.4245((a)
- 40 CFR Part 60.4246
- 40 CFR Part 60.4248
- Table 2 to Subpart JJJJ of Part 60 (applicable portions)
- Table 3 to Subpart JJJJ of Part 60 (applicable portions)

SECTION E.4

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

- (a) Body Painting Operations:
- (1) Electrodeposition (E-Coat) Coating Line, identified as PA-02, with a capacity of 72 units per hour, consisting of the following:
 - (A) Multistage pretreatment/Phosphate Process, identified as PA-01 IA.
 - (B) One (1) Electrodeposition coating dip tank, rinse stages and E-Coat oven, approved in 2006 for construction and approved in 2012 for modification, controlled by one (1) natural gas-fired regenerative thermal oxidizer (RTO), with a maximum heat input capacity of 14 million British thermal units per hour (MMBtu/hr), identified as Body Oven RTO with stack ID 1100.
 - (C) One (1) E-Coat pre-heat zone, with a maximum heat input capacity of 3.7 MMBtu/hr, exhausting to stack ID 1003.
 - (D) One (1) natural gas-fired E-coat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner which consists of five (5) oven zones, each with a heat input capacity of 3.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1006.
 - (2) Sealer Deadener Coating Line, identified as PA-03, with a capacity of 73 units per hour, consisting of the following:
 - (A) One (1) automatic and manual sealer deadener application area, with one (1) sound deadener booth, approved in 2006 for construction and approved in 2012 for modification to add four (4) robotic coating application systems, using airless spray application system, exhausting to stack ID 1007.
 - (B) One (1) 9.0 MMBtu/hr natural gas-fired Sealer/Deadener oven, approved in 2014 for construction at the Sealer Deadener Coating Line, identified as PA-03, exhausting to Stack ID 1007A.
 - (3) Primer/Surfacer Coating Line, identified as PA-05, with a capacity of 80 units per hour, consisting of the following:
 - (A) One (1) Primer/Surfacer spray coating booth, approved in 2006 for construction, approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system and dry filters to control particulate overspray, exhausting to stack ID 1014 and stack ID 1015.
 - (B) One (1) Primer/Surfacer flashoff area, with two (2) natural gas-fired heaters, one with a maximum heat input capacity of 3.5 MMBtu/hr and one with a maximum heat input capacity of 2.6 MMBtu/hr.

SECTION E.4

FACILITY OPERATION CONDITIONS

- (C) One (1) natural gas-fired Primer/Surfacer, 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zones #1, #2, and #4, each with a heat input capacity of 2.6 MMBtu/hr and oven zone #3 and #5 with a heat input capacity of 1.7 MMBtu/hr each, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
- (D) One (1) oven exit hood exhaust, exhausting to stack ID 1021.
- (E) One (1) cooling tunnel, exhausting to stack ID 1022.
- (F) Air make-up units as follows:
 - (i) One (1) natural gas-fired air makeup unit, for the primer/surfacer line, equipped with a two-stage burner, with a combined maximum heat input capacity of 7.8 MMBtu/hr.
- (4) Topcoat Coating Operation, identified as PA-07, with two (2) Topcoat Lines #1 and #2, approved in 2006 for construction and approved in 2012 for modification with a total capacity of 88 units per hour, consisting of the following:
 - (A) Two (2) basecoat spray booths, approved in 2006 for construction and approved in 2012 modification to add four (4) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash systems and dry filters to control particulate overspray, exhausting to stack ID 1032 and stack ID 1043.
 - (B) Two (2) basecoat flashoff areas, each with one (1) natural gas-fired heater, each with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1033 and stack ID 1044.
 - (C) Two (2) clearcoat spray booths, each approved in 2006 for construction each approved in 2011 for modification and approved in 2012 for modification to add two (2) robotic coating application systems, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems. The automatic zones use water/polymer emulsion wash systems to control particulate overspray and the manual zones use dry filters. The manual zones are cascaded to the automatic zones, and the automatic zones are controlled by one (1) RTO, identified as Body Booth RTO with stack ID 1101.
 - (D) One (1) natural gas-fired Topcoat 5-stage oven tunnel, approved in 2006 for construction and approved in 2012 for modification to extend the oven and add one (1) burner, which consists of five (5) zones, oven zone #1, with a heat input capacity of 3.5 MMBtu/hr, oven zone #2, with a heat input capacity of 2.6 MMBtu/hr, and oven zones #3, #4 and #5, each with a heat input capacity of 1.7 MMBtu/hr, controlled by one (1) RTO, identified as Body Oven RTO with stack ID 1100.
 - (E) One (1) cooling tunnel, exhausting to stack ID 1041.
 - (F) One oven exit hood exhaust, exhausting to stack ID 1037.
 - (G) Topcoat on-line repair, identified as PA-07 which includes:

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FACILITY OPERATION CONDITIONS

- (i) One (1) repair sanding booth, identified as PA-08 controlled by dust filters, exhausting to stack ID 1056.
- (ii) One (1) repair coating booth using water wash system to control particulate overspray, exhausting to stack ID 1057.
- (iii) One (1) natural gas-fired repair oven, with a maximum heat input capacity of 2.6 MMBtu/hr, exhausting to stack ID 1058.
- (iv) One (1) Cooling tunnel, exhausting to stack ID 1060.
- (v) One (1) small repair booth, exhausting to stack ID 1055, with infrared curing, consists of three (3) banks and portable infrared lights.

This topcoat on-line repair booth is used before the vehicles are not completely assembled; therefore, under 40 CFR 63, Subpart Mmmm, this is considered a new in-line repair operation.

- (5) Blackout/Cavity wax coating booth, identified as PA-11, approved in 2006 for construction and approved in 2012 for modification to add two (2) robotic coating application systems, equipped with dry filters, exhausting to stack ID 1062.
 - (6) Miscellaneous cleaning and purge operation – paint operations, consisting of the following:
 - (A) Purge and clean-up solvent usage and recovery system, identified as PA-14, including virgin solvent distribution, day tanks, small portable containers including containers that meet the definition of cold cleaners, and spent solvent recovery.
 - (7) Paint effluent system, identified as PA-17, consisting of sludge for separation of paint solids from booth water/polymer emulsion wash systems for body and plastic parts painting. Solids are chemically separated and sent off-site. Water/polymer emulsion is recycled to paint booths or sent to wastewater.
 - (8) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 20.0 MMBtu/hr, identified as (Working Area ASH #1, PA-21).
 - (9) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 8.0 MMBtu/hr, identified as (Working Area ASH #2, PA-22).
 - (10) One (1) natural gas -fired makeup unit with a maximum heat input capacity of 5.0 MMBtu/hr, identified as (Working Area ASH #3, PA-23).
 - (11) One (1) natural gas-fired HVAC units, identified as HVAC ASH #2, PA-25, with a maximum heat input capacity of 13.0 MMBtu/hr.
 - (12) One (1) natural gas-fired HVAC unit, with a maximum heat input capacity of 8.00 MMBtu/hr, identified as HVAC #3 ASH, PA-26.
- (b) Plastics Operations:
- (1) Plastic Parts Coating Line, identified as PO-02, with a capacity of 120 hangers per hour, consisting of the following:
 - (A) Alkaline pretreatment process, identified as PO-01.

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FACILITY OPERATION CONDITIONS

- (B) One (1) dry-off tunnel, exhausting to stack ID 2000.
 - (C) One (1) primer spray booth, utilizing High Volume Low Pressure (HVLP) and/or electrostatic application systems, using water/polymer emulsion wash to control particulate overspray, exhausting to stack ID 2002.
 - (D) One (1) basecoat spray booth, approved in 2006 for construction and approved in 2011 for modification, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system to control particulate overspray. If waterborne basecoat is utilized, the basecoat spray booth will exhaust to stack ID 2003 and stack ID 2004. If solventborne basecoat is utilized, the basecoat spray booth will be controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (E) One (1) clearcoat spray booth, approved in 2006 for construction and approved in 2011 for modification, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using water/polymer emulsion wash system to control particulate overspray, and VOC emissions controlled by one (1) RTO, with a maximum heat input capacity of 14.00 MMBtu/hr, identified as Bumper RTO, with stack ID 2029.
 - (F) One (1) clearcoat flashoff area.
 - (G) One (1) plastic parts oven tunnel which consists of two (2) zones, Topcoat Oven Zone #1 and Topcoat Oven Zone #2 each zone with a maximum heat input capacity of 2.6 MMBtu/hr burner controlled by one (1) RTO, identified as Bumper RTO with stack ID 2029.
 - (H) One (1) natural gas-fired air makeup unit, equipped with a two-stage burner, with a combined maximum heat input capacity of 19.0 MMBtu/hr.
- (2) Plastic Parts Coating Line, identified as PO-10, approved in 2012 for construction with a capacity of 60 hangers per hour, consisting of the following:
- (A) One (1) waterborne spray booth, utilizing High Volume Low Pressure (HVLP) and electrostatic bell application systems, using a dry scrubber to control particulate overspray, exhausting to stack ID 2250, and
 - (B) One (1) natural gas-fired oven with a maximum heat input capacity of 6 MMBtu/hr, exhausting to stack ID 2251.
 - (C) One (1) natural gas-fired air makeup unit with a maximum heat input capacity of 5 MMBtu/hr.
- (3) Miscellaneous cleaning and purge operation – plastics painting, consisting of the following:
- (A) Purge and clean-up solvent usage and recovery system, identified as PO-05, including virgin solvent distribution, day tanks, small portable containers including containers that meet the definition of cold cleaners, and spent solvent recovery.
- (4) One (1) Plastic parts touchup booth, identified as PO-17, using dry filters for particulate control and manual application systems.

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FACILITY OPERATION CONDITIONS

- (5) Two (2) painted/raw plastic parts regrind machines, identified as PO-15 and PO-16.
- (6) Two (2) plastic flash torches, with a maximum heat input capacity of 0.10 MMBtu/hr each, identified as PO-14 and PO-19.
- (c) Final Assembly Operations:
 - (1) Assembly window install and miscellaneous operations, identified as AF-01, with a capacity of 70 units per hour, consisting of all coatings, sealers, lubricants and related cleaning solvents used for auto assembly, including processes used to install window glass in vehicles, including body primer, glass cleaner, glass primer, and glass adhesive. Includes robotic and manual application equipment, coating delivery/circulation systems and raw material storage containers. Under 40 CFR 63, Subpart Mmmm, this is considered a new affected source.
- (d) Weld sealer process using manual and robotic weld sealer application equipment, material delivery systems and raw material storage, identified as WE-01.

Insignificant Activities:

- (a) Painting Operations:
 - (3) Topcoat in-line repair, which includes repair area for small interior topcoat, imperfections, manual application equipment, identified as PA-09. Under 40 CFR 63, Subpart Mmmm, this is considered a new in-line repair operation.
 - (7) Final repair, identified as PA-12, which includes repair coating booths and general areas, using manual application systems, and IR curing equipment. Under 40 CFR 63, Subpart Mmmm, this is considered a new final repair operation.
 - (8) Final repair, identified as PA-13, using air dry materials and manual application system. Under 40 CFR 63, Subpart Mmmm, this is considered a new final repair operation.
 - (9) Paint Mix Rooms (Emissions accounted for in the emission determinations at each respective source). All storage containers and mixing vessels associated with affected source are subject to the requirements of 40 CFR 63, Subpart Mmmm.
 - (10) One (1) Plastic parts touchup booth, identified as PO-17, using dry filters for particulate control and manual application systems.
- (b) Space heaters, process heaters, or boilers using the following fuels: Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour
 - (3) One (1) natural gas-fired air makeup unit for the Primer/Surfacer sanding and inspection booth (PA-06), with a maximum heat input capacity of 6.4 MMBtu/hr

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

E.4.1 General Provisions Relating to NESHAP IIII [326 IAC 20-1] [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.3101, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, as

specified in Table 2 of 40 CFR Part 63, Subpart IIII in accordance with schedule in 40 CFR 63 Subpart IIII.

E.4.2 Surface Coating of Plastic Parts and Products NESHAP [40 CFR Part 63, Subpart PPPP]

The Permittee which engages in surface coating of plastic parts and products shall comply with the provisions of 40 CFR Part 63, Subpart IIII, in order to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

E.4.3 Surface Coating of Miscellaneous Metal Parts and Products NESHAP [40 CFR Part 63, Subpart MMMM]

The Permittee which engages in surface coating of miscellaneous metal parts and products shall comply with the provisions of 40 CFR Part 63, Subpart IIII, in order to demonstrate compliance with 40 CFR Part 63, Subpart MMMM.

E.4.4 Surface Coating of Automobiles and Light-Duty Trucks NESHAP [40 CFR Part 63, Subpart IIII]

The Permittee which engages in automobiles and light duty trucks production shall comply with the provisions of 40 CFR Part 63, Subpart IIII, as follows:

- 40 CFR Part 63.3080
- 40 CFR Part 63.3081
- 40 CFR Part 63.3082(a), (b), (c), (d), (e)
- 40 CFR Part 63.3083(a)(2), and (d)
- 40 CFR Part 63.3090
- 40 CFR Part 63.3092 through 40 CFR Part 63.3094
- 40 CFR Part 63.3100
- 40 CFR Part 63.3101
- 40 CFR Part 63.3110(a) and (b)
- 40 CFR Part 63.3120
- 40 CFR Part 63.3130
- 40 CFR Part 63.3131
- 40 CFR Part 63.3150 through 40 CFR Part 63.3152
- 40 CFR Part 63.3160(a), (c)
- 40 CFR Part 63.3161
- 40 CFR Part 63.3162 Reserved
- 40 CFR Part 63.3163(a), (b), (c), (d) (e), (f), (g), and (h)
- 40 CFR Part 63.3164 through 40 CFR Part 63.3166
- 40 CFR Part 63.3167(a) and (f)
- 40 CFR Part 63.3168(a), (b), (c)(1), (3), and (g)
- 40 CFR Part 63.3170(a)
- 40 CFR Part 63.3171
- 40 CFR Part 63.3172 Reserved
- 40 CFR Part 63.3173
- 40 CFR Part 63.3175
- 40 CFR Part 63.3176
- Table 1 to Subpart IIII of Part 63
- Table 2 to Subpart IIII of Part 63
- Table 3 to Subpart IIII of Part 63
- Table 4 to Subpart IIII of Part 63
- Appendix A to Subpart IIII of Part 63

SECTION E.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]

- (e) Two (2) diesel fired emergency generators, identified as FAC-84 and FAC-85, each with a rated capacity of 757 HP.

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

E.5.1 General Provisions Relating to NESHAP ZZZZ [326 IAC 20-1] [40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A- General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

E.5.2 Stationary Reciprocating Internal Combustion Engines NESHAP [40 CFR Part 63, Subpart ZZZZ]

Pursuant to 40 CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart ZZZZ, as follows:

- 40 CFR Part 63.6580
- 40 CFR Part 63.6585
- 40 CFR Part 63.6590(2)(i)
- 40 CFR Part 63.6595(3)
- 40 CFR Part 63.6605
- 40 CFR Part 63.6640(f)(i),(ii),(iii)
- 40 CFR Part 63.6645(f)

SECTION E.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]		
Hot water boilers and process heaters:		
Process Unit	Unit Subject to Subpart DDDDD	Rated Capacity, MMBtu/hr
PA-05	Basecoat Flash Off #1 Heater	2.6
	Basecoat Flash Off #2 Heater	2.6
	Topcoat Oven Zone 1	3.5
	Topcoat Oven Zone 2	2.6
PA-07	Basecoat Flash Off #1 Heater	2.60
	Basecoat Flash Off #2 Heater	2.60
	Topcoat Oven Zone 1	3.5
	Topcoat Oven Zone 2	2.6
PA-20	Hot water generator	6.12
	Hot water generator	6.12
	Hot water generator	6.12
	Hot water generator	6.12
PO-02	Topcoat Oven Zone 1	2.60
	Topcoat Oven Zone 2	2.60
PO-10	IP Oven	6.00
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)		

E.6.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.7565, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 for the above affected emission units as specified in Table 10 of 40 CFR 63, Subpart DDDDD in accordance with schedule in 40 CFR 63 Subpart DDDDD.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

and

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

E.6.2 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters Requirements [40 CFR Part 63, Subpart DDDDD]

The provisions of 40 CFR Part 63, Subpart DDDDD (National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters) apply to the above existing affected emission units. The Permittee shall comply with the following provisions no later than January 31, 2016, except as provided in § 63.6(i).

- 40 CFR § 63.7480
- 40 CFR § 63.7485
- 40 CFR § 63.7490
- 40 CFR § 63.7491
- 40 CFR § 63.7495(b), (d), (g))
- 40 CFR § 63.7499
- 40 CFR § 63.7500(a)(1), (3), (e), (f)
- 40 CFR § 63.7501
- 40 CFR § 63.7505(a)
- 40 CFR § 63.7510(e)
- 40 CFR § 63.7515(d)
- 40 CFR § 63.7530(d), (e)
- 40 CFR § 63.7540(a)(11), (13), (d)
- 40 CFR § 63.7545
- 40 CFR § 63.7550(a), (b), (c)(1), (5)(i) through (iv), (xiv) and (xvii)
- 40 CFR § 63.7555(a)(1)
- 40 CFR § 63.7560
- 40 CFR § 63.7565
- 40 CFR § 63.7570
- 40 CFR § 63.7575
- Table 3 to Subpart DDDDD of Part 63 (applicable section)
- Table 9 to Subpart DDDDD of Part 63 (applicable section)
- Table 10 to Subpart DDDDD of Part 63

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

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Gasoline Storage Tank (FAC-99)
Parameter: Gasoline throughput
Limit: Gasoline throughput shall be limited to 1,125,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

Month	Total Gasoline Throughput This Month (gallons)	Total Gasoline Throughput for Past 11 Months (gallons)	Total Gasoline Throughput for 12 Month Period (gallons)
1			
2			
3			

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Gasoline Dispensing Facility (AF-02)
Parameter: VOC emissions
Limit: Limited to less than 0.54 tons per twelve consecutive month period.

QUARTER: _____ YEAR: _____

Month	VOC Emitted This Month (tons)	VOC Emitted for Past 11 Months (tons)	VOC Emitted for 12 Month Period (tons)
1			
2			
3			

$$E = (GwORVR \times 0.44 \text{ lbs/kgal} + Gw/o \text{ ORVR} \times 11 \text{ lbs/kgal}) / 2000 \text{ lbs/ton}$$

where :

E = Emissions from initial fueling vehicles (tons/month)

GwORVR = Amount of gasoline used in a month to fuel new vehicles equipped with ORVR

Gw/o ORVR = Amount of gasoline used in a month to fuel new vehicles not equipped with ORVR

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
Compliance Data Section**

Part 70 Quarterly Report

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: 031-30127-00026
Facility: Source-wide
Parameter: # vehicles produced
Limit: 285,000 vehicles per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

Month	Vehicle Production This Month(# vehicles)	Vehicle Production for Past 11 Months (# vehicles)	Total Vehicle Production for 12 Month Period (# vehicles)
1			
2			
3			

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: E-Coat Line (PA-02), Sealer/Deadener (PA-03), Primer/Surfacer (PA-05),
Topcoat Coating Line and On-Line Repair (PA-07), Blackout/Cavity Wax Coating
Line (PA-11), and Plastic Parts,
Parameter: VOC
Limit: Shall not exceed 330.2 tons VOC per twelve (12) consecutive month period with
compliance determined at the end of each month.

QUARTER: _____ YEAR _____

Month	VOC Emissions This Month (tons)	VOC Emissions for Past 11 Months (tons)	VOC Emissions for 12 Month Period (tons)
Month 1			
Month 2			
Month 3			

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Part 70 Quarterly Report

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Natural gas combustion sources in SECTION D.10
Parameter: VOC
Limit: 187.6 pounds of CO per MMCF of natural gas and
976 million cubic feet (1,000,000 decatherms) of natural gas per twelve (12)
consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

Month	Natural Gas Usage This Month (MMCF)	Natural Gas Usage for Past 11 Months (MMCF)	Natural Gas Usage for 12 Month Period (MMCF)
1			
2			
3			

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Quarterly Report

Source Name: Honda Manufacturing of Indiana, LLC
 Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
 Part 70 Permit No.: T031-30127-00026
 Facility: E-Coat tank, rinse and oven (PA-02), Primer/Surfacer (PA-05), Topcoat coating line and Topcoat on-line repair (PA-07),
 Parameter: VOC
 Limits: E-Coat tank, rinse, and oven (PA-02) - 0.04 pound per gallon of applied coating solids (lb/gacs)
 Primer/Surfacer (PA-05) – 4.1 lb/gacs
 Topcoat Coating Line and Topcoat On-Line Repair (PA-07) – 5.2 lb/gacs
 The VOC limits shall be based on a daily-volume- weighted average of the coatings applied, actual transfer efficiencies, and RTOs for control.

Quarter: _____ Year _____

Day	E-Coat tank, rinse, and oven (PA-02) (lb/gacs)	Primer/Surfacer (PA-05) (lb/gacs)	Topcoat Coating Line and Topcoat On-Line Repair (PA-07) (lb/gacs)	Day	E-Coat tank, rinse, and oven (PA-02) (lb/gacs)	Primer Surfacer (PA-05) (lb/gacs)	Topcoat Coating Line and Topcoat On-Line Repair (PA-07) (lb/gacs)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

Submitted by: _____ Signature: _____

Title/Position: _____ Date: _____

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

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Sealer/Deadener (PA-03)
Parameter: VOC
Limits: Sealer/Deadener - 0.30 lb/gallon controlled by RTO

The VOC shall be based on a monthly-volume- weighted average of the coating used with RTO control.

Quarter: _____ Year _____

Month	Sealer/ Deadener Average This Month (lb/gal)	Sealer/ Deadener Average for Past 11 Months (lb/gal)	Sealer/ Deadener Total Average for 12 Month Period (lb/gal)
1			
2			
3			

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

Date: _____
Phone: _____

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

Quarterly Report

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Cavity Wax
Parameter: VOC
Limits: Cavity Wax - 2.9 lb/gallon (uncontrolled)

The VOC limit for the Cavity Wax shall be based on a daily-volume- weighted average of the coating/wax used with no control.

Day	Cavity Wax Average This Day (lb/gal)	Day	Cavity Wax Wax Average This Day (lb/gal)
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16			

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

Date: _____
Phone: _____

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

Part 70 Quarterly Report

Source Name: Honda Manufacturing of Indiana, LLC
 Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
 Part 70 Permit No.: T031-30127-00026
 Facility: Plastic Parts Coating Line, identified as PO-02, Instrument Panel, identified as PO-03, Blackout coating - 0.74lb/gallon (uncontrolled)
 Parameter: VOC
 Limit: Primer coating shall not exceed 0.90 pounds per gallon of coating as applied.
 Basecoat coating shall not exceed 1.15 pounds per gallon of coating as applied.
 Clearcoat coating shall not exceed 3.25 pounds per gallon of coating as applied.
 Instrument Panel, identified as PO-03 shall not exceed 2.3 pounds per gallon less water of coating as applied.
 Blackout coating, identified as PA-11 shall not exceed 0.74 lb/gallon as applied

These limits shall be based on a daily volume weighted average of the coatings applied and RTOs for control.

QUARTER YEAR

Day	Primer Coating (lb/gal)	Basecoat Coating (lb/gal)	Clearcoat Coating (lb/gal)	Instrument Panel (lb/gal - water)	Black out (lb/gal)	Day	Primer Coating (lb/gal)	Basecoat Coating (lb/gal)	Clearcoat Coating (lb/gal)	Instrument Panel (lb/gal - water)	Black out (lb/gal)
1						17					
2						18					
3						19					
4						20					
5						21					
6						22					
7						23					
8						24					
9						25					
10						26					
11						27					
12						28					
13						29					
14						30					
15						31					
16											

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

Date: _____
 Phone: _____

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

Source Name: Honda Manufacturing of Indiana, LLC
 Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
 Part 70 Permit No.: T031-30127-00026
 Facility: Final Repair-Air Dry, identified as PA-13, Topcoat In-Line Repair, identified as PA-09, Final Repair, identified as PA-12
 Parameter: VOC
 Limits: Final Repair-Air Dry, identified as PA-13 - less than 15 pounds per day (lbs/day).
 Topcoat In-Line Repair, identified as PA-09 - less than 15 lbs/day.
 Final Repair, identified as PA-12 – 4.8 lb/gallon. This lb/gal limit shall be based on a daily-volume weighted average of the coatings applied.

Month _____ Year _____

Day	Final Repair (PA-12) Average VOC Applied (lb/gal)	Final Repair (PA-13) VOC Input Usage (lb/day)	Topcoat In-Line Repair, identified as PA-09 VOC Input Usage (lb/day)	Day	Final Repair, identified as PA-12 VOC of Coatings Applied (lb/gal)	Final Repair (PA-13) VOC Input Usage (lb/day)	Topcoat In-Line Repair, identified as PA-09 VOC Input Usage (lb/day)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16							

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

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

Source Name: Honda Manufacturing of Indiana, LLC
 Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
 Part 70 Permit No.: T031-30127-00026
 Facility: Miscellaneous Operations: Weld Sealer, Assembly Window Install, Wiping/Cleaning and Purge Solvent from Plastic Operation, Wiping/Cleaning and Purge Solvent from Body Painting Operation
 Parameter: VOC
 Limits: Weld Sealer – 0.30 lb/gallon
 Assembly Window Install – 0.40 lb/gallon
 The VOC limits shall be based on a monthly-volume- weighted average of the coatings applied.

Quarter: _____ Year _____

Page 1 of 2

Month	Weld Sealer Average VOC of Coatings Applied This Month (lb/gal)	Weld Sealer Average VOC of Coatings Applied for Past 11 Months (lb/gal)	Weld Sealer Average VOC of Coatings Applied for 12 Month Period (lb/gal)	Assembly Window Install Average VOC of Coatings Applied This Month (lb/gal)	Assembly Window Install Average VOC of Coatings Applied for Past 11 Months (lb/gal)	Assembly Window Install Average VOC of Coatings Applied for 12 Months (lb/gal)
1						
2						
3						

DRAFT

Additional Limits: Miscellaneous Operations, including the Weld Sealer VOC emissions: Total limit of 134.9 tons per twelve consecutive month period with compliance determined at the end of each month.

Facility/Operation	VOC Limits (tons/year)
Assembly Window Install	24.78
Wiping/Cleaning and Purge Solvent from Body Paint Operation	67.09
Wiping/Cleaning and Purge Solvent from Plastic Operation	39.12

Month	Weld Sealer VOC Usage (tons)	Assembly Window Install VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Plastic Operation VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Body Painting Operation VOC Usage (tons)	TOTAL VOC USAGE (TONS)	Weld Sealer VOC Usage (tons)	Window Install VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Plastic Operation VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Body Painting Operation VOC Usage (tons)	TOTAL VOC USAGE (TONS)	Weld Sealer VOC Usage (tons)	Window Install VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Plastic Operation VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Body Painting Operation VOC Usage (tons)	TOTAL VOC USAGE (TONS)
	This Month	This Month	This Month	This Month	This Month	Previous 11 Months	Previous 11 Months	Previous 11 Months	Previous 11 Months	Previous 11 Months	12 Months Total	12 Months Total	12 Months Total	12 Months Total	12 Months Total
1															
2															
3															

Submitted by: _____ Signature: _____

Submitted by: _____ Signature: _____

Title/Position: _____ Date: _____

DRAFT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026

Months: _ to _____ Year: _____

Page 1 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

**Technical Support Document (TSD) for a Significant Permit Modification
to a Part 70 Operating Permit**

Source Description and Location

Source Name:	Honda Manufacturing of Indiana, LLC
Source Location:	2755 North Michigan Avenue, Greensburg, Indiana 47240
County:	Decatur
SIC Code:	3711, 3714
Permit Renewal No.:	T031-30127-00026
Operation Permit Issuance Date:	February 21, 2012
Significant Permit Modification No.:	031-34340-00026
Permit Reviewer:	Aida DeGuzman

Existing Approvals

The source was issued Part 70 Operating Permit No. 031-30127-00026 on February 21, 2012. The source has since received the following approvals:

- (a) Minor Source Modification No. 031-31640-00026, issued on May 14, 2012;
- (b) Significant Permit Modification No. 031-31641-00026, issued on July 9, 2012;
- (c) Prevention of Significant Deterioration/Significant Source Modification No. 031-32879-00026, issued on June 13, 2013; and
- (d) Significant Permit Modification No. 031-32881-00026, issued on July 2, 2013.

County Attainment Status

The source is located in Decatur County.

Pollutant	Designation
SO ₂	Better than national standards.
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}	Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard.
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. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Decatur 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}**
Decatur County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011, the air pollution control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective June 28, 2011. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (e) **Other Criteria Pollutants**
Decatur County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

This type of operation (automotive and light-duty trucks assembly plant) is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-7; however, there is an applicable New Source Performance Standard (Subpart MM) that was in effect on August 7, 1980. Therefore, fugitive emissions from the affected facilities to which the New Source Performance Standard applies are counted toward the determination of PSD and Part 70 Permit applicability.

Source Status

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

Pollutant	Emissions (ton/yr)
PM	20.50
PM ₁₀	17.03
PM _{2.5}	1.68 ¹
SO ₂	1.58
VOC	342.14 ²
CO	102.11
NO _x	72.52
GHGs as CO ₂ e	186,321

Pollutant	Emissions (ton/yr)
HAPs	
Single HAP (Xylene)	69.8
Total HAPs	>25

¹ Based on SSM No. 031-30713, issued on September 27, 2011 and PSD/SSM No. 031-32879, issued on June 13, 2013.

² Based on the sourcewide VOC Limit.

Emissions increase from MSM 031-31640-00026, issued on May 14, 2012.

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because it emits or has the potential to emit a regulated pollutant equal to or greater than 250 tons per year, and the potential to emit GHGs is equal to or greater than one hundred thousand (100,000) tons of CO₂ equivalent (CO₂e) emissions per year, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Honda Manufacturing of Indiana, LLC on March 24, 2014, relating to the following changes to the plant:

- (a) One (1) instrument panel (IP) padding application station and electric oven, identified as PO-30, with a maximum throughput of 80 units per hour approved in 2014 for construction.
- (b) Insignificant activity - The following equipment related to manufacturing activities not resulting in the emissions of HAPs, brazing equipment, cutting torches, soldering equipment, welding equipment:
 - (1) One (1) seam resistance welding machine (WE-02), approved in 2014 for construction.
- (c) One (1) 9.0 MMBtu/hr natural gas-fired Sealer/Deadener oven, approved in 2014 for construction at the Sealer Deadener Coating Line, identified as PA-03, exhausting to Stack ID 1007A.
- (d) One (1) laser/buzz point operation approved in 2014 for construction at the Topcoat manual sanding and inspection area, identified as PA-10.
- (e) Removal of the VOC limit of 3.91 tons per year for the Weld Sealer, WE-01, since a total plant-wide BACT VOC emissions limit was already required that includes the Weld Sealer.
 - (1) The Weld Sealer Operation is subject to the following BACT emission limitations under Section D.7.

- (A) The monthly volume weighted average of the VOC content of the coatings used at the Weld Sealer, WE-01, shall not exceed 0.30 pound per gallon of coating (lb/gal) as applied.
 - (B) The annual VOC emissions from the weld sealing operation shall not exceed 3.91 tons per twelve (12) consecutive month, and
 - (C) The total plant-wide VOC emissions from the miscellaneous operations in Section D.7 shall not exceed 134.9 tons per twelve (12) consecutive month period.
- (f) Revision to BACT requirements in Condition D.6.1(a) and D.6.1(b)(3) for gasoline storage tank, FAC-99 where delivered gasoline from transport/cargo tanks is stored and gasoline dispensing facility, AF-02 where gasoline is dispensed to new manufactured vehicles.

The BACT for the fuel dispensing operation, AF-02 as required in D.6.1(b)(3) of the current permit is the use or installation of Onboard Refueling Vapor Recovery (ORVR) system on a minimum of 95% of the vehicles manufactured" and one half (1/2) of the throughput limit (2,250,000 gallons/year) in D.6.1(a), as a limit for the gasoline dispensed to new manufactured vehicles. Current condition reads as follows:

D.6.1 Prevention of Significant Deterioration (PSD) – Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-4-6]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the Gasoline Dispensing Facility, identified as AF-02, shall be as follows:

- (a) The throughput of gasoline to the one (1) gasoline storage tank, identified as FAC-99, and the subsequent dispensing through AF-02, shall not exceed 2,250,000 gallons per twelve consecutive month period with compliance determined at the end of each month.
- (b) The Permittee shall not allow the transfer of gasoline between any transport and any storage tank unless such tank is equipped with the following:
 - (1) A submerged fill pipe.
 - (2) Either a pressure relief valve set to release at no less than seven-tenths (0.7) pounds per square inch or an orifice of five-tenths (0.5) inch in diameter.
 - (3) A vapor balance system connected between the tank and the transport, operating according to manufacturer's specifications. The Stage I vapor recovery system shall be in operation at all times when the one (1) gasoline storage tank, identified as FAC-99 is in operation, and the use of on-board vapor recovery (ORVR) system on a minimum of 95% of the vehicles manufactured.

* * *

Therefore, the current BACT requirement of ORVR in D.6.1(b)(3) has been revised to an equivalent annual emissions of 0.54 tons/year:

Where:

Emission Factor of 0.053 gram/liter (0.44 lb/kgal - standard set for 2008 and later vehicle models under 40 CFR 86.099-8(d)(1)) has been used to calculate VOC emissions for 95% of the fuel dispensed to vehicles equipped with ORVR.

Emission Factor of 11 lbs/kgal (found in AP-42 Table 5.2-7) has been used to calculate VOC emissions for 5% of the fuel dispensed to vehicles not equipped with ORVR.

The resulting annual allowable emissions equivalent with this current BACT is the following:

$$(0.95 \times 1,125 \text{kgal/yr} \times 0.44 \text{ lbs/kgal}) + (0.05 \times 1,1125 \text{kgal/yr} \times 11 \text{ lbs/kgal}) \times \text{ton}/2000 \text{ lbs} = 0.54 \text{ ton/yr}$$

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

PTE Before Controls of the Modification	
Pollutant	Potential To Emit (ton/yr)
PM	0.18
PM ₁₀	0.40
PM _{2.5}	0.40
SO ₂	0.02
NO _x	3.86
VOC	1.04
CO	3.25
Single HAPs	0.07
Total HAPs	0.073

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

This modification is not subject to the source modification requirements under 326 IAC 2-7-10.5. The changes will be incorporated into the permit as a Significant Permit Modification under 326 IAC 2-7-12(d) because the modification involves changes to existing Part 70 permit terms and conditions.

Permit Level Determination – PSD or Emission Offset or Nonattainment NSR

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit

modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Potential to Emit (ton/yr)								
FACILITY	PM	PM10	PM2.5	VOC	SO2	CO	NOX	GHGs
Sealer Deadener Oven (PA-03)	0.07	0.3	0.3	0.2	0.02	3.25	3.86	4,665
IP Padding Operation (PO-30)	--	--	--	0.66	--	--	--	--
RoboticLaser/Buzz Unit (PA-10)	0.107	0.107	0.107	0.11	--	--	--	--
Resistance Seam Welding (WE-02)	--	--	--	0.06	--	--	--	--
TOTAL PTE	0.18	0.40	0.40	1.04	0.02	3.25	3.86	4,665
PSD Significant Level	25	15	10	40	40	40	100	75,000 CO2e

*PM_{2.5} listed is direct PM_{2.5}.

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

NSPS:

(a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

NESHAP:

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

CAM

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each new or modified pollutant-specific emission unit that meets the following criteria:

- (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
- (2) is subject to an emission limitation or standard for that pollutant; and
- (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The emission units included in this proposed modification do not use a control device and the units do not have a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutants involved.

State Rule Applicability Determination

326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

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

This rule applies to facilities (as of January 1, 1980) that:

- (a) have potential emissions of twenty-two and seven-tenths (22.7) megagrams (twenty-five (25) tons) or more per year;
- (b) are located anywhere in the state; and
- (c) are not otherwise regulated by:
 - (A) other provisions of this article;
 - (B) 326 IAC 20-48; or
 - (C) 326 IAC 20-56;

The Instrument Panel (IP) Padding Operation, PO-30, which emits the most VOC at 0.66 ton/year, Robotic Laser/Buzz Unit, PA-10, at 0.11 tons/year, and the Resistance Seam Welding, WE-02, at 0.06 tons/year are not subject to 326 IAC 8-1-6 because each unit has potential VOC emissions that are less than 25 tons/year.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The Robotic Laser/Buzz Unit, PA-10, emits 0.107 ton of PM/year and direct fired Sealer Deadener Oven, PA-03, emits 0.213 ton of PM/yr. Therefore, these units are not subject to 326 IAC 6-3-2, because this rule specifically exempts manufacturing processes with potential emissions less than five hundred fifty-one thousandths (0.551) pound per hour.

Compliance Determination and Monitoring Requirements

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

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

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T031-30127-00026. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Sections A.2, A.3, D.3, D.6 and D.7 have been modified to incorporate the proposed exempt emission units and requested changes to PSD BACT:

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

(a) Body Painting Operations:

* * *

(2) Sealer Deadener Coating Line, identified as PA-03, with a capacity of 73 units per hour, consisting of the following:

(A) One (1) automatic and manual sealer deadener application area, with one (1) sound deadener booth, approved in 2006 for construction and approved in 2012 for modification to add four (4) robotic coating application systems, using airless spray application system, exhausting to stack ID 1007 ~~and Sealer/Deadener oven controlled by Body Oven RTO with stack ID-1100.~~

(B) One (1) 9.0 MMBtu/hr natural gas-fired Sealer/Deadener oven, approved in 2014 for construction at the Sealer Deadener Coating Line, identified as PA-03, exhausting to Stack ID 1007A.

* * *

(c) Final Assembly Operations:

(1) Assembly window install and miscellaneous operations, identified as AF-01, with a capacity of 70 units per hour, consisting of all coatings, sealers, lubricants and related cleaning solvents used for auto assembly, including processes used to install window glass in vehicles, including body primer, glass cleaner, glass primer, and glass adhesive. Includes robotic and manual application equipment, coating delivery/circulation systems and raw material storage containers.

(2) Gasoline dispensing operation, with a capacity of 70 units per hour, consisting of the following:

(A) Gasoline dispensing equipment, identified as AF-02, located at the assembly line, for filling new vehicles, ~~through the use of on-board vapor recovery (ORVR) on a minimum of 95% of the vehicles manufactured.~~

(B) One (1) gasoline storage tank, identified as FAC-99, located at the tank farm, with a capacity of 19,800 gallons, equipped with submerged fill and Stage 1 vapor balance.

* * *

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(14)]

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

(a) Painting Operations:

* * *

(4) Topcoat manual sanding, and inspection area, identified as PA-10.

(A) One (1) laser/buzz point operation approved in 2014 for construction at the Topcoat manual sanding and inspection area, identified as PA-10.

* * *

(f) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment:

(1) One (1) Stamping Shop - Four (4) press stamping lines, stamped parts repair and die maintenance activities, including hand held grinders, sanders, files, portable MIG welding, arc, welding, and stick welding, identified as ST-01.

(2) Body welding and finishing, identified as WE-02, approved in 2006 for construction and approved in 2012 for modification to add fifty-six (56) robotic welders using resistance welding and grinding, and MIG welding stations. The SR station "Stationary Robots" and back-up MIG welding and grinding operations are controlled by cartridge filters.

(3) Portable MIG, arc and TIG welding, identified as WE-06.

(4) One (1) seam resistance welding machine (WE-02), approved in 2014 for construction.

* * *

(y) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 26 lb/day PM; 5 lb/hr or 25 lb/day SO₂; 5 lb/hr or 25 lb/day NO_x; 3 lb/hr or 15 lb/day VOC; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs:

* * *

(7) One (1) instrument panel application station and electric oven, identified as PO-30, with a maximum throughput of 80 units per hour, approved in 2014 for construction.

SECTION D.3

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Prevention of Significant Deterioration (PSD) - Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, the VOC Best Available Control Technology (PSD BACT) for the Primer/Surfacer Coating Line, identified as PA-05, shall be as follows:

* * *

(c) The VOC emissions, from the Sealer Deadener Coating Line (~~including controlled and uncontrolled emissions~~), identified as PA-03, shall not exceed 0.30 pounds of VOC per gallon of coating (lb/gal) used, based on a monthly volume weighted average.

- (d) The PSD BACT requirements for the combustion facilities in SECTION D.3 are contained in SECTION D.10.

D.3.8 Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-2-2]

- (c) Compliance with the VOC limitation in Condition D.3.1(c) shall be determined using monthly volume weighted average of the coating used using the following equation:

$$DWA = \frac{\sum_{i=1}^n (C_i)(U_i) \times (1 - (GE \times DRE))}{\sum_{i=1}^n U_i}$$

where:

DWA = monthly calculated volume weighted average emissions in pounds per gallon coating applied.

C = VOC content of coating _i, lb VOC/gal

U = actual coating _i usage, gal/month

n = no. of coatings used during the month

GE = capture efficiency of the emission system vented to the RTO

DRE = destruction or removal efficiency of the RTO

SECTION D.6

The PSD BACT for the Vehicle Refueling/Fuel Dispensing, AF-02 operation, required that 95% of vehicles produced be equipped with an on-board refueling vapor recovery (ORVR) system. Condition D.6 has been revised to an equivalent emission limit of 0.54 ton per twelve consecutive month period. This change is not subject to PSD BACT re-evaluation since the outcome in terms of emission reduction is the same.

Equivalent Emission Calculations:

$$(0.95 \times 1,125 \text{ kgal/yr} \times 0.44 \text{ lbs/kgal}) + [0.05 \times 1,125 \text{ kgal/yr} \times 11 \text{ lbs/kgal}] \times \text{ton}/2000 \text{ lbs} = 0.54 \text{ ton/yr}$$

Note: Vehicles using onboard refueling vapor recovery with an emission factor of 0.053 gram/liter (0.44 lb/kgal - standard set for 2008 and later vehicle models under 40 CFR 86.099-8(d)(1)); and 5% of the fuel dispensed would be to vehicles not equipped with on-board refueling vapor recovery systems with an emission factor of 11 lbs/kgal (found in AP-42 Table 5.2-7).

$$0.053 \text{ gr/lit} \times \text{lb}/453.5924 \text{ gr} \times 3.785412 \text{ lit/gal} \times 1000 \text{ gal/kgal} = 0.44 \text{ lb/kgal}$$

D.6.1 Prevention of Significant Deterioration (PSD) – Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 8-4-6]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology (PSD BACT) for the Gasoline Dispensing Facility, identified as AF-02, shall be as follows:

- (a) The throughput of gasoline to the one (1) gasoline storage tank, identified as FAC-99, and the subsequent dispensing through AF-02, shall not exceed ~~2,250,000~~ **1,125,000** gallons per twelve consecutive month period with compliance determined at the end of each month.

- (b) The Permittee shall not allow the transfer of gasoline between any transport and any storage tank unless such tank is equipped with the following:
 - (1) A submerged fill pipe.
 - (2) Either a pressure relief valve set to release at no less than seven-tenths (0.7) pounds per square inch or an orifice of five-tenths (0.5) inch in diameter.
 - (3) A vapor balance system connected between the tank and the transport, operating according to manufacturer's specifications. The Stage I vapor recovery system shall be in operation at all times when the one (1) gasoline storage tank, identified as FAC-99 is in operation, ~~and the use of on-board vapor recovery (ORVR) system on a minimum of 95% of the vehicles manufactured.~~
- (c) If the owner or employees of the owner of a gasoline dispensing facility are not present during loading, it shall be the responsibility of the owner or the operator of the transport to make certain the vapor balance system is connected between the transport and the storage tank and is operating according to manufacturer's specifications.
- (d) The Permittee shall conduct retesting for vapor leakage and blockage from all vapor collection and control systems, including the associated permanent installation, and successfully pass the test, at least every five (5) years or upon major system replacement or modification. A major system modification is considered to be replacing, repairing, or upgrading seventy-five percent (75%) or more of a vapor collection and control system of a facility.
- (e) **All new vehicles produced for domestic sale that are fueled with gasoline must be equipped with Onboard Refueling Vapor Recovery (ORVR) systems. The Permittee shall limit the VOC emissions from the Gasoline Dispensing equipment, identified as AF-02, used to initially fuel new vehicles manufactured for domestic and export sales, to less than 0.54 ton per twelve (12) consecutive month period with compliance determined at the end of each month.**

Compliance with this condition shall satisfy the requirements of 326 IAC 8-4-6.

* * *

Compliance Determination Requirements

D.6.4 Volatile Organic Compounds [326 IAC 2-2]

- (a) In order to comply with Condition D.6.1, the Stage I vapor recovery systems for VOC control shall be in operation at all times when gasoline is being transferred, or dispensed.
- (b) **Compliance with the VOC limit in Condition D.6.1(e) shall be determined by using the following equation, which calculates the tons of VOC emissions per month, and adding the result to the calculated VOC emissions from the previous eleven months:**

$$E = (GwORVR \times 0.44 \text{ lbs/kgal} + Gw/o \text{ ORVR} \times 11\text{lbs/kgal})/2000 \text{ lbs/ton}$$

where :

E = Emissions from initial fueling vehicles (tons/month)

GwORVR = Amount of gasoline used in a month to fuel new vehicles equipped with ORVR

Gw/o ORVR = Amount of gasoline used in a month to fuel new vehicles not equipped with ORVR

* * *

D.6.7 Record Keeping Requirements [326 IAC 2-7-5] [326 IAC 8-4-9]

- (a) To document **the** compliance **status** with the sourcewide VOC limit in Condition D.6.1(a), the Permittee shall maintain records at the source that verify the throughput of gasoline received and dispensed.
- (b) To document **the** compliance **status** with Condition D.6.2, the owner or operator of a vapor balance or vapor control system subject to this section shall maintain records of all certification testing. The records shall identify the following:
 - (1) The vapor balance, vapor collection, or vapor control system.
 - (2) The date of the test and, if applicable, retest.
 - (3) The results of the test and, if applicable, retest.
- (c) To document **the** compliance **status** with Condition D.6.2, the owner or operator of a gasoline transport subject to this section shall keep a legible copy of the transport's most recent valid annual modified 40 CFR 60, Appendix A, Method 27 test either in the cab of the transport or affixed to the transport trailer. The test record shall identify the following:
 - (1) The gasoline transport.
 - (2) The type and date of the test and, if applicable, date of retest.
 - (3) The test methods, test data, and results certified as true, accurate, and in compliance with this rule by the person who performs the test.

This copy shall be made available immediately upon request to the department and to the owner of the loading facility for inspection and review. The department shall be allowed to make copies of the test results.

- (d) To document **the** compliance **status** with Condition D.6.2, the Permittee shall maintain records of the following:
 - (1) Certification testing required, if using an alternative testing procedure, as allowed under Condition D.6.2(e) from all vapor collection and control systems, including the associated permanent installation.
 - (2) Test required under Condition D.6.2(f).
- (e) To document **the** compliance **status** with Condition D.6.6, the Permittee shall maintain records of the key operating parameters when the Stage I vapor recovery system is in use.
- (f) To document **the** compliance **status** with Condition D.6.1(b)(3), (e), the Permittee shall maintain a record of the ~~number of vehicles manufactured and the number of vehicles manufactured with ORVR~~ **VOC emissions from the Gasoline Dispensing equipment, identified as AF-02**, on a monthly **and 12-month rolling total** basis.

D.6.8 Reporting Requirements

- (a) A monthly summary of the information to document compliance with Condition D.6.1(a) shall be submitted quarterly to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. ~~The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).~~

- (b) A monthly summary of the VOC emissions from the Gasoline Dispensing equipment, identified as AF-02, to document the compliance status with Condition D.6.1(e), shall be submitted quarterly to the addresses listed in Section C - General Reporting Requirements of this permit using the reporting forms located at the end of this permit, or their equivalent, not later than thirty (30) days after the end of the quarter being reported.**
- (c) Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).**

SECTION D.7

The PSD BACT VOC emissions limit of 3.91 tons per year for the Weld Sealer, WE-01, has been deleted since a total plant-wide BACT VOC emissions limit is already required that includes the Weld Sealer, and there are no previous PSD BACT determinations that limit the annual VOC emissions for this operation:

D.7.1 Prevention of Significant Deterioration (PSD) – Best Available Control Technology for Volatile Organic Compounds (VOC) [326 IAC 2-2]

Pursuant to 326 IAC 2-2-3, the Best Available Control Technology for Volatile Organic Compounds (VOC) for the following emission units shall be as follows:

* * *

- (c) The monthly volume weighted average of the VOC content of the Weld Sealer (WE-01) coating used, shall not exceed 0.30 pound per gallon of coating (lbs/gal) as applied. ~~The annual VOC emissions from this operation shall not exceed 3.91 tons per twelve (12) consecutive month period with compliance determined at the end of each month.~~

* * *

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Gasoline Storage Tanks (FAC-99 and FAC-100) of
~~Gasoline Dispensing Facility, AF-02~~
Parameter: Gasoline throughput
Limit: Gasoline throughput shall be limited to ~~2,250,000~~ **1,125,000** gallons per twelve
(12) consecutive month period, with compliance determined at the end of each
month.

QUARTER: _____ YEAR: _____

Month	Total Gasoline Throughput This Month (gallons)	Total Gasoline Throughput or Past 11 Months (gallons)	Total Gasoline Throughput for 12 Month Period (gallons)
1			
2			
3			

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
Part 70 Quarterly Report**

Source Name: Honda Manufacturing of Indiana, LLC
Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
Part 70 Permit No.: T031-30127-00026
Facility: Gasoline Dispensing Facility (AF-02)
Parameter: VOC emissions
Limit: Limited to less than 0.54 tons per twelve consecutive month period.

QUARTER: _____ YEAR: _____

Month	VOC Emitted This Month (tons)	VOC Emitted for Past 11 Months (tons)	VOC Emitted for 12 Month Period (tons)
1			
2			
3			

$$E = (GwORVR \times 0.44 \text{ lbs/kgal} + Gw/o \text{ ORVR} \times 11\text{lbs/kgal})/2000 \text{ lbs/ton}$$

where :

E = Emissions from initial fueling vehicles (tons/month)

GwORVR = Amount of gasoline used in a month to fuel new vehicles equipped with ORVR

Gw/o ORVR = Amount of gasoline used in a month to fuel new vehicles not equipped with ORVR

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Source Name: Honda Manufacturing of Indiana, LLC
 Source Address: 2755 North Michigan Avenue, Greensburg, Indiana 47240
 Part 70 Permit No.: T031-30127-00026
 Facility: Miscellaneous Operations: Weld Sealer, Assembly Window Install, Wiping/Cleaning and Purge Solvent from Plastic Operation, Wiping/Cleaning and Purge Solvent from Body Painting Operation
 Parameter: VOC
 Limits: Weld Sealer – 0.30 lb/gallon
 Assembly Window Install – 0.40 lb/gallon
 The VOC limits shall be based on a monthly-volume- weighted average of the coatings applied.

Quarter: _____ Year _____

Page 1 of 2

Month	Weld Sealer Average VOC of Coatings Applied This Month (lb/gal)	Weld Sealer Average VOC of Coatings Applied for Past 11 Months (lb/gal)	Weld Sealer Average VOC of Coatings Applied for 12 Month Period (lb/gal)	Assembly Window Install Average VOC of Coatings Applied This Month (lb/gal)	Assembly Window Install Average VOC of Coatings Applied for Past 11 Months (lb/gal)	Assembly Window Install Average VOC of Coatings Applied for 12 Months (lb/gal)
1						
2						
3						

Additional Limits: Miscellaneous Operations, **including the Weld Sealer VOC emissions**: Total limit of 134.9 tons per twelve consecutive month period with compliance determined at the end of each month.

Facility/Operation	VOC Limits (tons/year)
Weld Sealer	3.91
Assembly Window Install	24.78
Wiping/Cleaning and Purge Solvent from Body Paint Operation	67.09
Wiping/Cleaning and Purge Solvent from Plastic Operation	39.12
TOTAL LIMIT	134.9

Month	Weld Sealer VOC Usage (tons)	Assembly Window Install VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Plastic Operation VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Body Painting Operation VOC Usage (tons)	TOTAL VOC USAGE (TONS)	Weld Sealer VOC Usage (tons)	Window Install VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Plastic Operation VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Body Painting Operation VOC Usage (tons)	TOTAL VOC USAGE (TONS)	Weld Sealer VOC Usage (tons)	Window Install VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Plastic Operation VOC Usage (tons)	Wiping/Cleaning and Purge Solvent from Body Painting Operation VOC Usage (tons)	TOTAL VOC USAGE (TONS)
	This Month	This Month	This Month	This Month	This Month	Previous 11 Months	Previous 11 Months	Previous 11 Months	Previous 11 Months	Previous 11 Months	12 Months Total	12 Months Total	12 Months Total	12 Months Total	12 Months Total
1															
2															
3															

Submitted by: _____ Signature: _____

Submitted by: _____ Signature: _____

Title/Position: _____ Date: _____

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Significant Permit Modification No. 031-34340-00026. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Aida DeGuzman 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) 233-4972 or toll free at 1-800-451-6027 extension 3-4972.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Appendix A: Emissions Calculations

Natural Gas Combustion Only
 MM BTU/HR <100
 Company Name: Honda Manufacturing of Indiana, LLC
 Address City IN Zip: 2755 North Michigan, Greensburg, IN 47240
 SPM Number: 031-34340
 Pit ID: 031-00026
 Reviewer: Aida DeGuzman
 Date: 3/24/2014

PTE SUMMARY FROM MODIFICATION (TONS/YEAR)										
FACILITY	PM	PM10	PM2.5	VOC	SO2	CO	NOX	GHGs	Worst Single HAP	Combined HAPs
Sealer Deadener Oven (PA-03)	0.07	0.3	0.3	0.2	0.02	3.25	3.86	4,665	0.07	0.073
IP Padding Operation (PO-30)	--	--	--	0.66	--	--	--	--	--	--
Laser/Buzz Point Operation (PA-10)	0.107	0.107	0.107	0.11	--	--	--	--	--	--
Resistance Seam Welding (WE-02)	--	--	--	0.06	--	--	--	--	--	--
TOTAL PTE	0.18	0.40	0.40	1.04	0.02	3.25	3.86	4665	0.07	0.073

Note: There are no control equipment employed.

MISCELLANEOUS OPERATIONS POTENTIAL TO EMIT VOC, PM/PM10/PM2.5														
FACILITY	Unit/Capacity				Equivalent Weld Area		VOC			PM			PM10/PM2.5	
							Emission Factor	PTE (tons/yr)	Emission Factor	PTE (tons/yr)	Emission Factor	PTE (tons/yr)		
IP Padding Operation (PO-30)	80	units/hour	285,000	units/yr			0.0046	lbs/unit	0.66					
Laser/Buzz Point Operation (PA-10)	80	units/hour	285,000	units/yr			0.0007533	lbs/unit	0.11	0.00075	lbs/unit	0.11	0.00075 lbs/unit 0.11	
Resistance Seam Welding (WE-02)	80	units/hour	285000.0	units/yr	0.7	ft ² /unit	0.00061	lbs/ft ²	0.06					

The IP Padding EF was based on mass loss study at Honda's Maryville, OH plant and was based upon bake time and temperature that resulted in complete compromise of the samples, rendering them unusable for production purposes, which is above and beyond normal operating time and temperature of the process. Therefore, the EF represents the worst case emissions for the IP PAD/Adhesive Material.

0.002 gr/gr wt loss x 7000 lbs/gr x gr/7000 lbs = 0.002lb/lb x 2.3 lbs/unit of IP sheet = 0.0046 lb/unit

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

**Company Name: Honda Manufacturing of Indiana, LLC
Address City IN Zip: 2755 North Michigan, Greensburg, IN 47240
SPM Number: 031-34340
Pit ID: 031-00026
Reviewer: Aida DeGuzman
Date: 3/24/2014**

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
9.0	1020	77.3

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emission in tons/yr	0.1	0.3	0.3	0.0	3.9	0.2	3.2

*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

Emission Factor in lb/MMcf	HAPs - Organics					Total - Organics
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	8.116E-05	4.638E-05	2.899E-03	6.956E-02	1.314E-04	7.272E-02

Emission Factor in lb/MMcf	HAPs - Metals					Total - Metals
	Lead	Cadmium	Chromium	Manganese	Nickel	
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.932E-05	4.251E-05	5.411E-05	1.469E-05	8.116E-05	2.118E-04

Total HAPs	7.293E-02
Worst HAP	6.956E-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

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	4,638	0.1	0.1
Summed Potential Emissions in tons/yr	4,638		
CO2e Total in tons/yr based on 11/29/2013 federal GWPs	4,665		
CO2e Total in tons/yr based on 10/30/2009 federal GWPs	4,666		

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) based on 11/29/2013 federal GWPs= CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (25) + N2O Potential Emission ton/yr x N2O GWP (298).



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Jeff Loeffler
Honda Manufacturing of Indiana, LLC
2755 N Michigan Avenue
Greensburg, IN 47240

DATE: July 11, 2014

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

SUBJECT: Final Decision
Significant Permit Modification
031-34340-00026

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:
Rich Richardson – Business Div. Manager
Tom Rarick – Environmental Resources Management (ERM)
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 6/13/2013



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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

July 11, 2014

TO: Greensburg Decatur Public Library

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

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

Applicant Name: Honda Manufacturing of Indiana, LLC
Permit Number: 031-34340-00026

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	GHOTOPP 7/11/2014 Honda Manufacturing of Indiana, LLC 031-34340-00026 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	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Jeff Loeffler Honda Manufacturing of Indiana, LLC 2755 N Michigan Ave Greensburg IN 47240 (Source CAATS) via confirmed delivery										
2		Rich Richardson Business Div Mgr Honda Manufacturing of Indiana, LLC 2755 N Michigan Ave Greensburg IN 47240 (RO CAATS)										
3		Greensburg Decatur Co Public Library 1110 East Main Greensburg IN 47240 (Library)										
4		Decatur County Commissioners 150 Courthouse Square Greensburg IN 47240 (Local Official)										
5		Greensburg City Council & Mayors office 314 W Washington Street Greensburg IN 47240 (Local Official)										
6		Decatur County Health Department 801 N. Lincoln St Greensburg IN 47240-1397 (Health Department)										
7		Mr. Leonard Rohls 8504 North County Road 300 West Batesville IN 47006 (Affected Party)										
8		Melanie Brassell 606 Nelsons Parkway, P.O. Box 465 Wakarusa IN 46573 (Affected Party)										
9		Jennifer Sturges Greensburg Chamber of Commerce 125 N. Broadway Greensburg IN 47240 (Affected Party)										
10		Tom Rarick Environmental Resources Management (ERM) 11350 N Meridian Suite 320 Carmel IN 46032 (Consultant)										
11		Vicki Kellerman Economic Development Corporation of Greensburg 314 W Washington St. Greensburg IN 47240 (Affected Party)										
12												
13												
14												
15												

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