



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Thomas W. Easterly**  
Commissioner

To: Interested Parties

Date: May 23, 2014

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

Source Name: Allison Transmission, Inc.

Permit Level: MSOP - Administrative Amendment

Permit Number: 097 - 34485 - 00374

Source Location: 2840 Fortune Circle W, Suite A, Indianapolis, Indiana

Type of Action Taken: Changes that are administrative in nature

## Notice of Decision: Approval

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. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

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 34485.

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

*(continues on next page)*

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

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

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

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

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



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May 23, 2014

Kimberly Cottrell  
Allison Transmission, Inc.  
1 Allison Way, Mail Code M29  
Indianapolis, Indiana 46222

Re: 097-34485-00374  
Administrative Amendment to  
M097-29720-00374

Dear Ms. Cottrell,

Allison Transmission, Inc. – Plant 15 was issued a Minor Source Operating Permit (MSOP) Renewal No. M097-29720-00374 on October 23, 2012, for a stationary mechanical power transmission equipment testing and manufacturing operation located at 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241. On April 29, 2014, the Office of Air Quality (OAQ) received an application from the source requesting to remove from the permit Test Stand C24 and associated requirements. On May 21, 2014, the source requested additional changes including corrections to the paint booth calculations, removal of the yellow primer which is no longer used at the source, updating the Test Stand C-26 Reciprocating Engine calculations to use horsepower rather than MMBTU/hr.

Pursuant to 326 IAC 2-6.1-6(d)(2)(A), these changes to the permit are considered an administrative amendment because the permit is amended to change the descriptive information concerning the source or emissions unit(s), where the revision will not trigger a new applicable requirement.

The uncontrolled/unlimited potential to emit of the entire source after removal of Test Stand C24 will continue to be within the threshold levels specified in 326 IAC 2-6.1 (MSOP). See Appendix A for the revised limited PTE of the source after the removal of Test Stand C24 and the other changes to the calculations mentioned above.

Pursuant to the provisions of 326 IAC 2-6.1-6, the permit is hereby amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**.

## A.2 Emission Units and Pollution Control Equipment Summary

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

\*\*\*

- (c) — One (1) transmission test stand, identified as C-24, constructed in 2000, utilizing a reciprocating engine up to 460 horsepower (4.25 MMBtu/hr), with a maximum annual fuel use capacity of 120,000 gallons per year of No. 2 fuel oil and biodiesel fuel, exhausting through stack/vent 3040.

Notes: (1) — Biodiesel fuel is 20% soy diesel and 80% No. 2 fuel oil mixture.

- (2) — Potential to emit is based on the operational design of each test stand of 4,000 hours per year because of the physical limitation of changing transmissions on and off the test stands.

Under 40 CFR 63, Subpart ZZZZ, the 460 horsepower engine is considered an existing affected source.

- (dc) Production related activities, including the following:



A State that Works

- (1) Degreasing operations that have a maximum capacity of one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6.
  - (A) One (1) 30-gallon parts washer, identified as PW1, installed in 2006, non-heated, using solvent.
- (2) Cleaners and solvents characterized as follows where the use of which, for all cleaners and solvents combined, has a maximum capacity of one hundred forty-five (145) gallons per twelve (12) months.
  - (A) Having a vapor pressure equal to or less than two (2.0) kilo Pascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pound per square inch) measured at thirty-eight (38) degrees Centigrade (one hundred (100) degrees Fahrenheit),
  - (B) Having a vapor pressure equal to or less than seven-tenths (0.7) kilo Pascal (five (5) millimeters of mercury or one-tenth (0.1) pound per square inch) measured at twenty (20) degrees Centigrade (sixty-eight (68) degrees Fahrenheit).
- (ed) One wash booth for off-highway engines, identified as WB1, constructed in 2000, using water-based materials, using a maximum capacity of 1,445 gallons per year.
- (fe) One wash booth for electric drive engines, identified as WB2, constructed in 2000, using water-based materials, using a maximum capacity of 47 gallons per year.
- (gf) One wash booth for electric drive engines, identified as WB3, constructed in 2000, using water-based materials, using a maximum capacity of 45 gallons per year.
- (hg) One forced-draft noncontact cooling tower system constructed in 2000 [326 IAC 2-6.1-1, 2-1.1-3(e)(13)].

\*\*\*

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (b) One (1) transmission test stand, identified as C-26, constructed in 2000, utilizing a reciprocating engine up to 900 horsepower (6.86 MMBtu/hr), with a maximum annual fuel use capacity of 192,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3038. This unit uses an oxidation catalyst for control of CO emissions and a continuous parameter monitoring system for compliance with 40 CFR Part 63, Subpart ZZZZ.

Under 40 CFR 63, Subpart ZZZZ, the 900 horsepower engine is considered an existing affected source.

- ~~(c) One (1) transmission test stand, identified as C-24, constructed in 2000, utilizing a reciprocating engine up to 460 horsepower (4.25 MMBtu/hr), with a maximum annual fuel use capacity of 120,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3040.~~

~~Notes: (1) Biodiesel fuel is 20% soy diesel and 80% No. 2 fuel oil mixture.~~

- ~~(2) Potential to emit is based on the operational design of each test stand of 4,000 hours per year because of the physical limitation of changing transmissions on and off the test stands.~~

~~Under 40 CFR 63, Subpart ZZZZ, the 460 horsepower engine is considered an existing affected source.~~

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

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

#### D.2.1 Minor Source Operating Permit Program (MSOP) [326 IAC 2-6.1]

In order to demonstrate compliance with 326 IAC 2-6.1 (MSOP), the total hours of operation for the ~~two (2)~~ **one (1)** transmission test stands, identified as C-26 and C-24, shall each be less than 4,000 hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

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

#### D.2.2 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain records of the operating hours for the ~~two (2)~~ **one (1)** transmission test stands, identified as C-26 and C-24.
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

#### D.2.3 Reporting Requirements

~~A quarterly report of the hours of operation of C-26 and C-24 and a~~ **A** quarterly summary of the information to document the compliance status with Conditions D.2.1 shall be submitted using the reporting form located at the end of this permit, or its 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.

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SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:
(dc) Production related activities, including the following:
(1) Degreasing operations that have a maximum capacity of one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6.
(A) One (1) 30-gallon parts washer, identified as PW1, installed in 2006, non-heated, using solvent.
(ed) One wash booth for off-highway engines, identified as WB1, constructed in 2000, using water-based materials, using a maximum capacity of 1,445 gallons per year.
(fe) One wash booth for electric drive engines, identified as WB2, constructed in 2000, using water-based materials, using a maximum capacity of 47 gallons per year.
(gf) One wash booth for electric drive engines, identified as WB3, constructed in 2000, using water-based materials, using a maximum capacity of 45 gallons per year.
***

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:
(b) One (1) transmission test stand, identified as C-26, constructed in 2000, utilizing a reciprocating engine up to 900 horsepower (6.86 MMBtu/hr), with a maximum annual fuel use capacity of 192,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3038. This unit uses an oxidation catalyst for control of CO emissions and a continuous parameter monitoring system for compliance with 40 CFR Part 63, Subpart ZZZZ.
Under 40 CFR 63, Subpart ZZZZ, the 900 horsepower engine is considered an existing affected source.
<del>(c) One (1) transmission test stand, identified as C-24, constructed in 2000, utilizing a reciprocating engine up to 460 horsepower (4.25 MMBtu/hr), with a maximum annual fuel use capacity of 120,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3040.</del>
Notes: <del>(1) Biodiesel fuel is 20% soy diesel and 80% No. 2 fuel oil mixture.</del>
<del>(2) Potential to emit is based on the operational design of each test stand of 4,000 hours per year because of the physical limitation of changing transmissions on and off the test stands.</del>
<del>Under 40 CFR 63, Subpart ZZZZ, the 460 horsepower engine is considered an existing affected source.</del>
***

National Emissions Standards for Hazardous Air Pollutants (NESHAP) Requirements: Stationary Reciprocating Internal Combustion Engines

E.1.1 General Provisions Relating to National Emissions 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 63.340(b), the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC

20-82, for the reciprocating internal combustion engines in accordance with the schedule in 40 CFR 63, Subpart ZZZZ.

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E.1.2 National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

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The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment A) which are incorporated by reference as 326 IAC 20-82 for the reciprocating internal combustion engines:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585
- (3) 40 CFR 63.6590 (a)(1)(iii)
- (4) 40 CFR 63.6595 (a)(1), (b), and (c)
- (5) 40 CFR 63.6603
- (6) 40 CFR 63.6604
- (7) 40 CFR 63.6605
- (8) 40 CFR 63.6612
- (9) 40 CFR 63.6615
- (10) 40 CFR 63.6620
- (11) 40 CFR 63.6625 (a), (b), and (h)
- (12) 40 CFR 63.6630
- (13) 40 CFR 63.6635
- (14) 40 CFR 63.6640 (a), (b), and (e)
- (15) 40 CFR 63.6645 (a)(2), (g), and (h)
- (16) 40 CFR 63.6650
- (17) 40 CFR 63.6655
- (18) 40 CFR 63.6660
- (19) 40 CFR 63.6665
- (20) 40 CFR 63.6670
- (21) 40 CFR 63.6675

~~These Tables apply to both C-24 and C-26:~~

- ~~Table 4 (items 1 and 3)~~
- ~~Table 6 (item 9)~~
- ~~Table 7 (item 1)~~
- ~~Table 8~~

~~These Tables apply to C-26 only:~~

- (22)** Table 2b (items 2 and 3)
- (23)** Table 2d (item 3)
- (24)** Table 3 (item 4)
- (25)** **Table 4 (items 1 and 3)**
- (26)** Table 5 (items 1, 2, 3, 4, 5, 6, and 13)
- (27)** Table 6 (items 3, 9, 10, 11, and 14)
- (28)** Table 7 (items 1 and 3)
- (29)** **Table 8**
- (30)** Appendix A

~~These Tables apply to C-24 only:~~

- ~~Table 2d (item 2)~~
- ~~Table 5 (items 11 and 12)~~

The requirements of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the source except as otherwise specified in 40 CFR 63, Subpart ZZZZ.

~~E.1.3 Compliance Schedule Requirement [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]~~

~~Allison Transmission shall submit a status report within fifteen (15) days of completion of the following milestones indicating the actual dates of completion:~~

- ~~(a) The date of delivery of the electric dyne test stand to Plant 15. Note: This milestone has been completed. The date of delivery was October 29, 2013, and IDEM OAQ was notified October 31, 2013.~~
- ~~(b) The date of completion of installation of the electric dyne test stand at Plant 15. Note: This milestone has been completed. The date of completion of installation was November 20, 2013, and IDEM OAQ was notified December 2, 2013.~~
- ~~(c) The date of completion of final quality assurance and control testing of the electric dyne test stand.~~
- ~~(d) The date of startup of the electric dyne test stand and the lockout and disconnection of the energy and fuel sources to the C24 test stand.~~

~~E.1.4 Compliance Schedule Requirement [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]~~

~~Allison Transmission shall comply with the standards set forth in 40 CFR Part 63, Subpart ZZZZ no later than May 3, 2014.~~

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

**MSOP Quarterly Report**

Source Name: Allison Transmission, Inc. - Plant 15  
 Source Address: 2840 Fortune Circle W, Suite A  
 MSOP No.: M097-29720-00374  
 Facilities: C-24  
 Parameter: Operating Hours  
 Limit: shall be less than 4,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER: \_\_\_\_\_ YEAR: \_\_\_\_\_

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

— Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

### **Additional Changes**

IDEM, OAQ made additional revisions to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions. The permit has been amended as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

1. IDEM updated the potential emission calculations using the most up-to-date Global Warming Potentials (GWPs) from Table A-1 of 40 CFR Part 98 Subpart A. The updated calculations are included in Appendix A.
2. Section D.3 was updated to reflect the most current version of 326 IAC 8-3 Organic Solvent Degreasing Operations which was filed January 30, 2013.

### **D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]**

**Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).**

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

#### **D.3.3 Record Keeping Requirements**

- (a) **To document the compliance status with Condition D.3.2, on and after January 1, 2015, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.**
- (1) **The name and address of the solvent supplier.**
  - (2) **The date of purchase.**
  - (3) **The type of solvent purchased.**
  - (4) **The total volume of the solvent purchased.**
  - (5) **The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).**

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

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

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

Previously issued approvals for this source containing this attachment is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: [http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab\\_02.tpl](http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl).

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://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 Jenny Liljegren of my staff at 317-233-0870 or 1-800-451-6027, and ask for extension 3-0870.

Sincerely,



Nathan C. Bell, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Updated Permit and Appendix A

NB/JL

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

**Appendix A: Emissions Calculations  
Emissions Summary**

**Company Name: Allison Transmission, Inc. - Plant 15**  
**Source Address: 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241**  
**MSOP Administrative Amendment: 097-34485-00374**  
**Reviewer: Jenny Liljegren**

Unit	Uncontrolled Potential to Emit in tons/year									
	PM	PM10	PM 2.5	SOx	NOx	VOC	CO	GHGs as CO2e (tons/yr)	Total HAPs	Worst Single HAP (cobalt compounds)
PAINT98 - Paint Booth	1.89	1.89	1.89	-	-	6.24	-	-	0.02	0.02
Test Stand Engine C-26	1.26	0.72	0.72	0.02	43.20	1.27	9.90	2,096	0.02	-
Parts Washer	-	-	-	-	-	0.03	-	-	-	-
Wash Booth (WB1) for Off-Highway Engines using CrysCoat 1875C	-	-	-	-	-	0.12	-	-	-	-
Wash Booth (WB2) for Electric Drive Engines using Kemco 9300	-	-	-	-	-	-	-	-	-	-
Wash Booth (WB3) for Electric Drive Engines using Kemco 9300	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3.15</b>	<b>2.61</b>	<b>2.61</b>	<b>0.02</b>	<b>43.20</b>	<b>7.66</b>	<b>9.90</b>	<b>2,096</b>	<b>0.04</b>	<b>0.02</b>

PM=PM10=PM2.5

**Appendix A: Emissions Calculations  
VOC and Particulate  
From Surface Coating Operations  
Paint 98 Paint Booth**

**Company Name: Allison Transmission, Inc. - Plant 15  
Source Address: 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241  
MSOP Administrative Amendment: 097-34485-00374  
Reviewer: Jenny Liljegren**

max coating usage (gallons/yr)	2,912.70
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Material	Density (Lb/Gal)	Pounds VOC per gallon of coating*	Weight % Volatile (H2O & VOC)	Weight % Water	Weight % VOC	Weight % Solids	Gal of Mat. (gal/hr)	Potential VOC (lbs/hour)	Potential VOC (lbs/day)	Potential VOC (tons/year)	Potential Particulate (tons/year)	Transfer Efficiency
Taxi Cab Yellow	8.66	3.02	-	-	-	29.97%	0.33250	1.00	24.10	4.40	1.89	50%
Black	8.47	3.07	-	-	-	25.91%	0.33250	1.02	24.50	4.47	1.60	50%
CRC Degreaser	11.00	11.00	100.00%	0.0%	100.0%	0.00%	0.03667	0.40	9.68	1.77	0.00	100%

<b>Worst Case Coating + Degreaser =</b>	<b>1.42</b>	<b>34.18</b>	<b>6.24</b>	<b>1.89</b>
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Particulate Control Efficiency (%)	Controlled Potential Particulate (tons/year)
0.95	0.09

**METHODOLOGY**

\*VOC content of coatings as indicated on the Material Safety Data Sheet (MSDS)

Pounds of VOC per gallon of coating less water (obtained directly from MSDS) OR = (Density (lb/gal) \* (Weight % VOC)/(1-Weight % Water)

Potential VOC (lbs/hour) = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/hr)

Potential VOC (lbs/day) = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/hr) \* (24 hr/day)

Potential VOC (tons/year) = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)

Potential Particulate (tons/year) = (units/hour) \* (gal/unit) \* (lbs/gal) \* (Weight % Solids) \* (1-Transfer efficiency) \* (8760 hrs/yr) \* (1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)

Total = Worst Coating (yellow or black) + Degreaser

Controlled Potential Particulate (tons/year) = Potential Particulate (tons/year) \* (1 - particulate control efficiency)

**Appendix A: Emissions Calculations  
HAP Emissions  
From Surface Coating Operations  
Paint 98 Paint Booth**

**Company Name: Allison Transmission, Inc. - Plant 15  
Source Address: 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241  
MSOP Administrative Amendment: 097-34485-00374  
Reviewer: Jenny Liljegen**

Material	Density (Lb/Gal)	Gallons (gal/hr)	Transfer Efficiency	Individual HAPs					
				Weight % Cobalt Compounds (ton/yr)	Uncontrolled Cobalt Compounds (ton/yr)	Controlled Cobalt Compounds (ton/yr)	Weight % 1,2-butylene oxide (ton/yr)	Uncontrolled 1,2-butylene oxide (ton/yr)	Controlled 1,2- butylene oxide (ton/yr)
Taxi Cab Yellow	8.66	0.33250	50.00%	0.30%	1.89E-02	9.46E-04	-	-	-
Black	8.47	0.33250	50.00%	0.10%	6.17E-03	3.08E-04	-	-	-
CRC Degreaser	11.00	0.33250	100.00%	-	-	-	1.00%	0.00	0.00
<b>Total</b>					<b>1.89E-02</b>	<b>9.46E-04</b>		<b>0.00</b>	<b>0.00</b>

**Total HAPs                    0.02**

**METHODOLOGY**

Uncontrolled HAPS emission rate (tons/yr) = Density (lb/gal) \* Gal of Material (gal/hour) \* Weight % HAP \* 8760 hrs/yr \* 1 ton/2000 lbs \* (1- transf eff) (if applicable))

Controlled HAPS emission rate (tons/yr) = uncontrolled (tons/yr) \* (1-control efficiency 95%)

Glycol Ethers used are Butyl Cellosolve which is Ethylene Glycol Monobutyl Ether which was delisted by USEPA on 11/29/04 is not shown.

**Appendix A: Emissions Calculations**  
**Large Reciprocating Internal Combustion Engines - Diesel Fuel**  
**Output Rating (>600 HP)**  
**Maximum Input Rate (>4.2 MMBtu/hr)**  
**Test Stand C-26 Reciprocating Engine**

**Company Name:** Allison Transmission, Inc. - Plant 15  
**Source Address:** 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241  
**MSOP Administrative Amendment:** 097-34485-00374  
**Reviewer:** Jenny Liljegren

**Emissions calculated based on output rating (hp)**

Output Horsepower Rating (hp)	900.0
Maximum Hours Operated per Year*	4000
Potential Throughput (hp-hr/yr)	3,600,000
Sulfur Content (S) of Fuel (% by weight)**	0.0015

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/hp-hr	7.00E-04	4.01E-04	4.01E-04	1.21E-05 (.00809S)	2.40E-02 **see below	7.05E-04	5.50E-03
Potential Emission in tons/yr	1.26	0.72	0.72	0.02	43.20	1.27	9.90
Pollution Control Removal Efficiency (%)	0%	0%	0%	0%	0%	0%	70%
Required?	No	No	No	No	No	No	Yes (NESHAP ZZZZ)
Controlled PTE	1.26	0.72	0.72	0.02	43.20	1.27	2.97

\*PM10 emission factor in lb/hp-hr was calculated using the emission factor in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

\*\*NOx emission factor: uncontrolled = 0.024 lb/hp-hr, controlled by ignition timing retard = 0.013 lb/hp-hr

**Hazardous Air Pollutants (HAPs)**

	Pollutant						
	Benzene	Toluene	Xylene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	5.43E-06	1.97E-06	1.35E-06	5.52E-07	1.76E-07	5.52E-08	1.48E-06
Potential Emission in tons/yr	9.8E-03	3.5E-03	2.4E-03	9.9E-04	3.2E-04	9.9E-05	2.7E-03

\*\*\*PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

\*\*\*\*Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

<b>Potential Emission of Total HAPs (tons/yr)</b>	<b>0.020</b>
---	--------------

**Green House Gas Emissions (GHG)**

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/hp-hr	1.16E+00	6.35E-05	9.30E-06
Potential Emission in tons/yr	2,088	0.11	0.02

<b>Summed Potential Emissions in tons/yr</b>	<b>2,088</b>
<b>CO2e Total in tons/yr</b>	<b>2,096</b>

**Methodology**

\*4000 hr/yr is listed as potential work hours because of the physical limitations of changing transmissions on and off the test stand.  
\*\*The maximum sulfur content of diesel fuel allowed is 15 ppm pursuant to NESHAP Subpart ZZZZ, 40 CFR 63.6604(a) (diesel fuel must meet the requirements of 40 CFR 80.510(b) for nonroad engines).  
Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1, 3.4-2, 3.4-3, and 3.4-4.  
CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.  
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.  
Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] \* [Maximum Hours Operated per Year]  
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] \* [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]  
CO2e (tons/yr) = 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).

**Appendix A: Emissions Calculations  
VOC Emissions  
Parts Washer (PW1)**

**Company Name: Allison Transmission, Inc. - Plant 15  
Source Address: 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241  
MSOP Administrative Amendment: 097-34485-00374  
Reviewer: Jenny Liljegren**

Solvent Used	Density of Solvent (lbs/gal)	VOC content of Solvent (%)	Material Usage (washer volume) (gal/)	Years of Operation	Maximum VOC (lbs/yr)	VOC PTE (tons/year)
Solvent 142-66	6.59	100.00%	30	3.0	65.90	0.033

**Methodology**

Based on information provided by the source. Estimate is for 8760 hours of operation.

Maximum Material Usage (gal/hr) = [Daily Material Usage (daily replacement volume) (gal/workday) / (Hour of Operation (hrs/workday))]

PTE = Density of Solvent (lb/gal) \* VOC Content (%/gal) \* Maximum Material Usage (gal/hr) \* 8760 hrs/yr \* 1 ton/2000 lbs

**Appendix A: Emissions Calculations**

**VOC Emissions  
Wash Booths 1,2 and 3**

**Company Name: Allison Transmission, Inc. - Plant 15**  
**Source Address: 2840 Fortune Circle W, Suite A, Indianapolis, Indiana 46241**  
**MSOP Administrative Amendment: 097-34485-00374**  
**Reviewer: Jenny Liljegren**

Type of Operation and Solvent Used	Material Usage (gal/year)	Density of Solvent (lbs/gal)	% VOC by weight excluding H2O	VOC PTE (tons/year)
Wash Booth (WB1) for Off-Highway Engines using CrysCoat 1875C	1445.4	8.91	1.80%	0.12
Wash Booth (WB2) for Electric Drive Engines using Kemco 9300	46.72	NA	0.00%	0.00
Wash Booth (WB3) for Electric Drive Engines using Kemco 9300	45	NA	0.00%	0.00

**Methodology**

Material Usage (gal/year) based on information provided by the source. Estimate is for 3000 actual hours of operation and 495 gallons used in 2010.  
PTE VOC (tons/year) = Material Usage (gal/year) \* Density of Solvent (lb/gal) \* VOC Content (%/gal) \* 1 ton/2000 lbs



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

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*Governor*

Thomas W. Easterly  
*Commissioner*

**Minor Source Operating Permit Renewal  
OFFICE OF AIR QUALITY**

**Allison Transmission, Inc. - Plant 15  
2840 Fortune Circle W, Suite A  
Indianapolis, Indiana 46241**

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

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

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

Operation Permit No. M097-29720-00374	
Original Signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 23, 2012  Expiration Date: October 23, 2022

Significant Permit Revision No. 097-32786-00374, issued May 3, 2013  
Administrative Amendment No. 097-33989-00374, issued January 16, 2014

Administrative Amendment No. 097-34485-00374	
Issued by:  Nathan Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 23, 2014  Expiration Date: October 23, 2022

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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 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

---

The Permittee owns and operates a stationary mechanical power transmission equipment testing and manufacturing operation.

Source Address:	2840 Fortune Circle W, Suite A Indianapolis, Indiana 46241
General Source Phone Number:	317-242-2042
SIC Code:	3714 (Motor Vehicle Parts and Accessories)
County Location:	Marion
Source Location Status:	Nonattainment for SO <sub>2</sub> standard Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary

---

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

- (a) One (1) paint booth, identified as PAINT98, installed in 2000, equipped with air atomization spray guns for metal coating, with a maximum coating usage of 2,912.7 gallons per year, using dry filters for overspray control, and exhausting at Stack/Vent 3046.
- (b) One (1) transmission test stand, identified as C-26, constructed in 2000, utilizing a reciprocating engine up to 900 horsepower (6.86 MMBtu/hr), with a maximum annual fuel use capacity of 192,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3038. This unit uses an oxidation catalyst for control of CO emissions and a continuous parameter monitoring system for compliance with 40 CFR Part 63, Subpart ZZZZ. The physical limitations of changing transmissions on and off the test stand, limits this engine to a maximum of 4,000 operating hours per year.

Under 40 CFR 63, Subpart ZZZZ, the 900 horsepower engine is considered an existing affected source.

- (c) Production related activities, including the following:
  - (1) Degreasing operations that have a maximum capacity of one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6.
    - (A) One (1) 30-gallon parts washer, identified as PW1, installed in 2006, non-heated, using solvent.
  - (2) Cleaners and solvents characterized as follows where the use of which, for all cleaners and solvents combined, has a maximum capacity of one hundred forty-

five (145) gallons per twelve (12) months.

- (A) Having a vapor pressure equal to or less than two (2.0) kilo Pascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pound per square inch) measured at thirty-eight (38) degrees Centigrade (one hundred (100) degrees Fahrenheit),
  - (B) Having a vapor pressure equal to or less than seven-tenths (0.7) kilo Pascal (five (5) millimeters of mercury or one-tenth (0.1) pound per square inch) measured at twenty (20) degrees Centigrade (sixty-eight (68) degrees Fahrenheit).
- (d) One wash booth for off-highway engines, identified as WB1, constructed in 2000, using water-based materials, using a maximum capacity of 1,445 gallons per year.
  - (e) One wash booth for electric drive engines, identified as WB2, constructed in 2000, using water-based materials, using a maximum capacity of 47 gallons per year.
  - (f) One wash booth for electric drive engines, identified as WB3, constructed in 2000, using water-based materials, using a maximum capacity of 45 gallons per year.
  - (g) One forced-draft noncontact cooling tower system constructed in 2000 [326 IAC 2-6.1-1, 2-1.1-3(e)(13)].

## SECTION B GENERAL CONDITIONS

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

---

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

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

---

- (a) This permit, M097-29720-00374, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

---

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

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

### B.4 Enforceability

---

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

### B.5 Severability

---

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

### B.6 Property Rights or Exclusive Privilege

---

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

### B.7 Duty to Provide Information

---

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

**B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

---

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

**B.9 Preventive Maintenance Plan [326 IAC 1-6-3]**

---

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

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

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

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

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

---

- (a) All terms and conditions of permits established prior to M097-29720-00374 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

**B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]**

---

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.12 Permit Renewal [326 IAC 2-6.1-7]**

---

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
  - (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and

- (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]**

---

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

**B.14 Source Modification Requirement**

---

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

**B.15 Inspection and Entry**

---

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

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

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

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

**B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]**

---

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

**B.17 Annual Fee Payment [326 IAC 2-1.1-7]**

---

- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.18 Credible Evidence [326 IAC 1-1-6]**

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

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Permit Revocation [326 IAC 2-1.1-9]

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

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

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

- (e) Procedures for Asbestos Emission Control  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) Demolition and Renovation  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Licensed Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

### **Testing Requirements [326 IAC 2-6.1-5(a)(2)]**

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

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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

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

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

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

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

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

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

### **Corrective Actions and Response Steps**

#### **C.12 Response to Excursions or Exceedances**

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

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

#### **C.13 Actions Related to Noncompliance Demonstrated by a Stack Test**

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

- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

#### **C.14 Malfunctions Report [326 IAC 1-6-2]**

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

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

#### **C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]**

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

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

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or

certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (c) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) paint booth, identified as PAINT98, installed in 2000, equipped with air atomization spray guns for metal coating, with a maximum coating usage of 2,912.7 gallons per year, using dry filters for overspray control, and exhausting at Stack/Vent 3046.

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

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

#### D.1.1 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), the Permittee shall comply with the following:

- (a) Particulate from the one (1) paint booth, identified as PAINT98, shall be controlled by a dry particulate filter and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
- (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
  - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (b) One (1) transmission test stand, identified as C-26, constructed in 2000, utilizing a reciprocating engine up to 900 horsepower (6.86 MMBtu/hr), with a maximum annual fuel use capacity of 192,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3038. This unit uses an oxidation catalyst for control of CO emissions and a continuous parameter monitoring system for compliance with 40 CFR Part 63, Subpart ZZZZ.

Under 40 CFR 63, Subpart ZZZZ, the 900 horsepower engine is considered an existing affected source.

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

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

#### D.2.1 Minor Source Operating Permit Program (MSOP) [326 IAC 2-6.1]

In order to demonstrate compliance with 326 IAC 2-6.1 (MSOP), the total hours of operation for the one (1) transmission test stand, identified as C-26, shall be less than 4,000 hours per twelve (12) consecutive month period, with compliance determined at the end of each month.

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

#### D.2.2 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain records of the operating hours for the one (1) transmission test stand, identified as C-26.
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

#### D.2.3 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.2.1 shall be submitted using the reporting form located at the end of this permit, or its 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.

## SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (c) Production related activities, including the following:
  - (1) Degreasing operations that have a maximum capacity of one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6.
    - (A) One (1) 30-gallon parts washer, identified as PW1, installed in 2006, non-heated, using solvent.
- (d) One wash booth for off-highway engines, identified as WB1, constructed in 2000, using water-based materials, using a maximum capacity of 1,445 gallons per year.
- (e) One wash booth for electric drive engines, identified as WB2, constructed in 2000, using water-based materials, using a maximum capacity of 47 gallons per year.
- (f) One wash booth for electric drive engines, identified as WB3, constructed in 2000, using water-based materials, using a maximum capacity of 45 gallons per year.

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

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

#### D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), for any cold cleaning degreasing operations that contains one (1) or more volatile organic compounds (VOC), the Permittee shall:

- (a) The owner or operator of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met:
  - (1) Equip the degreaser with a cover.
  - (2) Equip the degreaser with a device for draining cleaned parts.
  - (3) Close the degreaser cover whenever parts are not being handled in the degreaser.
  - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.
  - (5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
  - (6) Store waste solvent only in closed containers.
  - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.
- (b) The owner or operator of a cold cleaner degreaser subject to this subsection shall ensure the following additional control equipment and operating

requirements are met:

- (1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):
  - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
  - (B) A water cover when solvent used is insoluble in, and heavier than, water.
  - (C) A refrigerated chiller.
  - (D) Carbon adsorption.
  - (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.
- (2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.
- (3) If used, solvent spray:
  - (A) must be a solid, fluid stream; and
  - (B) shall be applied at a pressure that does not cause excessive splashing.

#### D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), on and after January 1, 2015, the Permittee shall not operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

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

#### D.3.3 Record Keeping Requirements

- (a) To document the compliance status with Condition D.3.2, on and after January 1, 2015, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.
  - (1) The name and address of the solvent supplier.
  - (2) The date of purchase.
  - (3) The type of solvent purchased.
  - (4) The total volume of the solvent purchased.

- (5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
  
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

## SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (b) One (1) transmission test stand, identified as C-26, constructed in 2000, utilizing a reciprocating engine up to 900 horsepower (6.86 MMBtu/hr), with a maximum annual fuel use capacity of 192,000 gallons per year of No.2 fuel oil and biodiesel fuel, exhausting through stack/vent 3038. This unit uses an oxidation catalyst for control of CO emissions and a continuous parameter monitoring system for compliance with 40 CFR Part 63, Subpart ZZZZ.

Under 40 CFR 63, Subpart ZZZZ, the 900 horsepower engine is considered an existing affected source.

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

### National Emissions Standards for Hazardous Air Pollutants (NESHAP) Requirements: Stationary Reciprocating Internal Combustion Engines

#### E.1.1 General Provisions Relating to National Emissions 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 63.340(b), the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-82, for the reciprocating internal combustion engine in accordance with the schedule in 40 CFR 63, Subpart ZZZZ.
- (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  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

#### E.1.2 National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ (included as Attachment A) which are incorporated by reference as 326 IAC 20-82 for the reciprocating internal combustion engine:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585
- (3) 40 CFR 63.6590 (a)(1)(iii)
- (4) 40 CFR 63.6595 (a)(1), (b), and (c)
- (5) 40 CFR 63.6603
- (6) 40 CFR 63.6604
- (7) 40 CFR 63.6605
- (8) 40 CFR 63.6612
- (9) 40 CFR 63.6615
- (10) 40 CFR 63.6620
- (11) 40 CFR 63.6625 (b) and (h)
- (12) 40 CFR 63.6630
- (13) 40 CFR 63.6635
- (14) 40 CFR 63.6640 (a), (b), and (e)

- (15) 40 CFR 63.6645 (a)(2), (g), and (h)
- (16) 40 CFR 63.6650
- (17) 40 CFR 63.6655
- (18) 40 CFR 63.6660
- (19) 40 CFR 63.6665
- (20) 40 CFR 63.6670
- (21) 40 CFR 63.6675
- (22) Table 2b (items 2 and 3)
- (23) Table 2d (item 3)
- (24) Table 3 (item 4)
- (25) Table 4 (items 1 and 3)
- (26) Table 5 (items 1, 2, 3, 4, 5, 6, and 13)
- (27) Table 6 (items 3, 9, 10, 11, and 14)
- (28) Table 7 (items 1 and 3)
- (29) Table 8
- (30) Appendix A

The requirements of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the source except as otherwise specified in 40 CFR 63, Subpart ZZZZ.

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

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

<b>Company Name:</b>	Allison Transmission, Inc. - Plant 15
<b>Address:</b>	2840 Fortune Circle W, Suite A
<b>City:</b>	Indianapolis, Indiana 46241
<b>Phone #:</b>	317-242-2042
<b>MSOP #:</b>	M097-29720-00374

I hereby certify that Allison Transmission, Inc. - Plant 15 is:

still in operation.

no longer in operation.

I hereby certify that Allison Transmission, Inc. - Plant 15 is:

in compliance with the requirements of MSOP M097-29720-00374.

not in compliance with the requirements of MSOP M097-29720-00374.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

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

<b>Noncompliance:</b>

### MALFUNCTION REPORT

#### INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT BRANCH FAX NUMBER: (317) 233-6865

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

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

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

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

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

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

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

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

**326 IAC 1-6-1 Applicability of rule**

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

**326 IAC 1-2-39 "Malfunction" definition**

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

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

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

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

**MSOP Quarterly Report**

Source Name: Allison Transmission, Inc. - Plant 15  
Source Address: 2840 Fortune Circle W, Suite A  
MSOP No.: M097-29720-00374  
Facilities: C-26  
Parameter: Operating Hours  
Limit: shall be less than 4,000 hours per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER: \_\_\_\_\_ YEAR: \_\_\_\_\_

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

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

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Michael R. Pence**  
Governor

**Thomas W. Easterly**  
Commissioner

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

**TO:** Kimberly Cottrell  
Allison Transmission, Inc.  
1 Allison Way MC M29  
Indianapolis, IN 46222-3271

**DATE:** May 23, 2014

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

**SUBJECT:** Final Decision  
MSOP - Administrative Amendment  
097 - 34485 - 00374

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:  
David Parish, Senior VP of Operations and Purchasing  
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](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 6/13/2013

# Mail Code 61-53

IDEM Staff	LPOGOST 5/23/2014 Allison Transmission, Inc - Plant 15 097 - 34485 - 00374 /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:  <b>CERTIFICATE OF MAILING ONLY</b>	

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		Kimberly Cottrell Allison Transmission, Inc - Plant 15 1 Allison Way MC M29 Indianapolis IN 46222-3271 (Source CAATS) Via confirmed delivery									
2		David Parish Senior VP of Operations and Purchasing Allison Transmission, Inc - Plant 15 1 Allison Way Indianapolis IN 46222-3271 (RO CAATS)									
3		Marion County Health Department 3838 N, Rural St Indianapolis IN 46205-2930 (Health Department)									
4		Indianapolis City Council and Mayors Office 200 East Washington Street, Room E Indianapolis IN 46204 (Local Official)									
5		Marion County Commissioners 200 E. Washington St. City County Bldg., Suite 801 Indianapolis IN 46204 (Local Official)									
6		Matt Mosier Office of Sustainability City-County Bldg/200 E Washington St. Rm# 2460 Indianapolis IN 46204 (Local Official)									
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