



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

TO: Interested Parties / Applicant

DATE: July 30, 2013

RE: TG Missouri Corporation – Indiana Site / 043 - 33059 - 00058

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

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

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

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

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

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

Enclosures
FNPER-MOD.dot 6/13/2013



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Michael R. Pence
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Thomas W. Easterly
Commissioner

Dan Smith
TG Missouri Corporation – Indiana Site
2200 Platin Road
Perryville, MO, 63775

July 30, 2013

Re: 043-33059-00058
First Minor Permit Revision to
M043-28350-00058

Dear Dan Smith:

TG Missouri Corporation – Indiana Site was issued a Minor Source Operating Permit (MSOP) Renewal No. M043-28350-00058 on November 20, 2009 for a stationary vehicle parts manufacturing operation located at 5331 Foundation Blvd, New Albany, IN 47150. On April 8, 2013, the Office of Air Quality (OAQ) received an application from the source requesting to revise the PTE of the surface coating booths based on updated coatings used; to incorporate 13 unpermitted injection molding machines; and to construct 12 new injection molding machines. Based on the revised PTE of the surface coating lines, the 326 IAC 8-1-6 (BACT) avoidance limit for surface coating line P17 is no longer needed and has been removed from the permit and a new 326 IAC 8-1-6 (BACT) avoidance limit for surface coating line P16 has been added to the permit. Pursuant to the provisions of 326 IAC 2-6.1-6, these changes to the permit are required to be reviewed in accordance with the Minor Permit Revision (MPR) procedures of 326 IAC 2-6.1-6(h). Pursuant to the provisions of 326 IAC 2-6.1-6, a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-6.1-6, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

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 Dominic Williams of my staff at 317-234-6555 or 1-800-451-6027, and ask for extension 4-6555.

Sincerely,

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

Attachments: Updated Permit, Technical Support Document, and Appendix A
NB/DW

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



A State that Works



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Michael R. Pence
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Commissioner

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

**TG Missouri Corporation – Indiana Site
5331 Foundation Boulevard
New Albany, Indiana 47150**

(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. M043-28350-00058	
Issued by: Original Signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: November 20, 2009 Expiration Date: November 20, 2019

First Minor Permit Revision No. 043-33059-00058	
Issued by:  Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 30, 2013 Expiration Date: July 30, 2023



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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 vehicle parts manufacturing operation.

Source Address:	5331 Foundation Boulevard, New Albany, Indiana 47150
General Source Phone Number:	812-941-1042
SIC Code:	3714
County Location:	Floyd
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) surface coating line, identified as P15, constructed in 2005, consisting of:
 - (1) One (1) paint kitchen (shared with P16) for mixing coatings in covered pails, exhausting to stack PK-2.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to stacks P15-1 and P15-2, capacity: 225 plastic automotive parts per hour.
 - (3) One (1) cure oven, rated 0.6 million British thermal units per hour.
- (b) One (1) surface coating line, identified as P16, constructed in 2005, consisting of:
 - (1) One (1) paint kitchen (shared with P15) for mixing coatings in covered pails, exhausting to stack PK-2.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and waterwall for overspray control, exhausting to stacks P16-1 and P16-2, capacity: 450 plastic automotive parts per hour.
 - (3) One (1) cure oven, rated 0.6 million British thermal units per hour.
- (c) One (1) surface coating line, identified as P17, constructed in 2005, consisting of:
 - (1) One (1) paint kitchen for mixing coatings in covered pails, exhausting to stack PK-1.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to stacks P17-1 through P17-7, capacity: 154 plastic automotive parts per hour.

- (3) One (1) cure oven, rated 1.0 million British thermal units per hour.
- (4) Two (2) natural gas-fired air makeup units, rated 5.0 million British thermal units per hour, each.
- (d) Thirty-nine (39) injection molding machines, with a total combined maximum capacity of 1841 pounds of polypropylene resin pellets per hour, using no control device, and exhausting indoors. Fourteen (14) injection molding machines were constructed in 2005, thirteen (13) injection molding machines were constructed in 2013, and twelve (12) injection molding machine are approved for construction in 2013.
- (e) Maintenance welding, with total weld wire or rod usage less than 625 pounds per day, including:
 - (1) One (1) MIG welder.
 - (2) One (1) stick welder.
- (f) Six (6) natural gas-fired air makeup units, constructed in 2005, rated 3.14 million British thermal units per hour, each.
- (g) One (1) natural gas-fired fluidized bed for cleaning paint racks, constructed in 2005, rated 0.892 million British thermal units per hour.
- (h) Two (2) natural gas-fired space heaters, constructed in 2005, rated 1.008 million British thermal units per hour, each.
- (i) Two (2) natural gas-fired office furnaces, constructed in 2005, rated 0.6182 million British thermal units per hour, each.
- (j) Electric infrared curing equipment.

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, M043-28350-00058, 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 M043-28350-00058 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]

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

- (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) surface coating line, identified as P15, constructed in 2005, consisting of:
 - (1) One (1) paint kitchen (shared with P16) for mixing coatings in covered pails, exhausting to stack PK-2.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to stacks P15-1 and P15-2, capacity: 225 plastic automotive parts per hour.
 - (3) One (1) cure oven, rated 0.6 million British thermal units per hour.
- (b) One (1) surface coating line, identified as P16, constructed in 2005, consisting of:
 - (1) One (1) paint kitchen (shared with P15) for mixing coatings in covered pails, exhausting to stack PK-2.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and waterwall for overspray control, exhausting to stacks P16-1 and P16-2, capacity: 450 plastic automotive parts per hour.
 - (3) One (1) cure oven, rated 0.6 million British thermal units per hour.
- (g) One (1) natural gas-fired fluidized bed for cleaning paint racks, constructed in 2005, rated 0.892 million British thermal units per hour.

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

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

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

In order to render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable to surface coating line P16, the Permittee shall comply with the following:

- (a) The volatile organic compounds (VOC) input, including solvents and coatings, to the surface coating line P16 shall not exceed 24.99 tons per 12 consecutive month period, with compliance determined at the end of each month.

Compliance with this VOC limit shall limit the VOC emissions from to the surface coating line P16 to less than 25 tons per 12 consecutive month period and shall render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable to surface coating line P16.

D.1.2 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate emissions from surface coating lines (P15 and P16) shall be controlled by a dry filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.3 Incinerators [326 IAC 4-2-2]

Pursuant to 326 IAC 4-2-2 (Incinerators), the Permittee shall comply with the following for the fluidized bed oven:

- (a) All incinerators shall comply with the following requirements:
 - (1) Consist of primary and secondary chambers or the equivalent.
 - (2) Be equipped with a primary burner unless burning only wood products.
 - (3) Comply with 326 IAC 5-1 and 326 IAC 2.
 - (4) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in subsection (c).
 - (5) Not emit particulate matter in excess of one (1) of the following:
 - (i) Three-tenths (0.3) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with a maximum solid waste capacity of greater than or equal to two hundred (200) pounds per hour.
 - (ii) Five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with solid waste capacity less than two hundred (200) pounds per hour.
 - (6) If any of the requirements of subdivisions (1) through (5) are not met, then the owner or operator shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.
- (b) An incinerator is exempt from subsection (a)(5) if subject to a more stringent particulate matter emission limit in 40 CFR 52 Subpart P*, State Implementation Plan for Indiana.
- (c) An owner or operator developing an operation and maintenance plan pursuant to subsection (a)(4) must comply with the following:
 - (1) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in subsection (a)(5) and include the following:
 - (A) Procedures for receiving, handling, and charging waste.
 - (B) Procedures for incinerator startup and shutdown.
 - (C) Procedures for responding to a malfunction.
 - (D) Procedures for maintaining proper combustion air supply levels.
 - (E) Procedures for operating the incinerator and associated air pollution control systems.
 - (F) Procedures for handling ash.
 - (G) A list of wastes that can be burned in the incinerator.

- (2) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.
 - (3) The operation and maintenance plan must be readily accessible to incinerator operators.
 - (4) The owner or operator of the incinerator shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.
- (d) The owner or operator of the incinerator must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.

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

A Preventive Maintenance Plan is required for these facilities and their 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.1.5 Volatile Organic Compounds (VOC)

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

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (3) below for surface coating line P16. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC input limit established in Condition D.1.1.
- (1) The VOC content of each coating material and solvent used.
 - (2) The amount of each coating material and solvent used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents; and
 - (3) The total VOC input for each month and each compliance period .
- (b) To document the compliance status with Condition D.1.2(c), the Permittee shall maintain a record of any actions taken if overspray is visibly detected.
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.7 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted using the reporting form located at the end of this permit, or its equivalent, no 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.

Indiana Department of Environmental Management Office of Air Quality Compliance and Enforcement Branch

Quarterly Report

Source Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Boulevard, New Albany, Indiana 47150
MSOP Permit No.: M043-28350-00058
Source: Surface coating line P16
Pollutant: VOC
Limit: The volatile organic compounds (VOC) input, including solvents and coatings, to the surface coating line P16 shall not exceed 24.99 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Year: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This month	Previous 11 Months	12 Month Total

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	TG Missouri Corporation – Indiana Site
Address:	5331 Foundation Boulevard
City:	New Albany, Indiana 47150
Phone #:	812-941-1042
MSOP #:	M043-28350-00058

I hereby certify that TG Missouri Corporation – Indiana Site is : still in operation.

no longer in operation.

I hereby certify that TG Missouri Corporation – Indiana Site is : in compliance with the requirements of MSOP M043-28350-00058.

not in compliance with the requirements of MSOP M043-28350-00058.

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

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

Noncompliance:

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
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:

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

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

Source Description and Location
--

Source Name:	TG Missouri Corporation – Indiana Site
Source Location:	5331 Foundation Blvd
County:	Floyd
SIC Code:	3714 (Motor Vehicle Parts and Accessories)
Operation Permit No.:	M043-28350-00058
Operation Permit Issuance Date:	November 20, 2009
Minor Permit Revision No.:	043-33059-00058
Permit Reviewer:	Dominic Williams

On April 8, 2013, the Office of Air Quality (OAQ) received an application from TG Missouri Corporation – Indiana Site related to a modification to an existing vehicle parts manufacturing facility.

Existing Approvals

The source was issued its First MSOP Renewal No. M043-28350-00058 on November 20, 2009.

County Attainment Status

The source is located in Floyd County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
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 Attainment effective October 23, 2001, for the 1-hour ozone standard for the Louisville area, including Floyd County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standard (NAAQS) for purposes of 40 CFR Part 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM _{2.5} .	

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

- (b) **PM_{2.5}**
 U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Floyd County as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in

order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM_{2.5} promulgated on May 8, 2008. These rules became effective on July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

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

Fugitive Emissions

- (a) The fugitive emissions of criteria pollutants, hazardous air pollutants, and greenhouse gases are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Status of the Existing Source

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

This PTE table is from the TSD or Appendix A of M043-28350-00058, issued on November 20, 2009.

Process/ Emission Unit	Potential To Emit (tons/year)								
	PM	*PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Surface coating line- P15	8.27	8.27	8.27	0.0	0.0	12.25	0.0	negl.	negl.
Surface coating line- P16	6.15	6.15	6.15	0.0	0.0	9.11	0.0	negl.	negl.
Surface coating line- P17	1.53	1.53	1.53	0.0	0.0	24	0.0	0.35	0.35 (Xylene)
Injection Molding	0	0	0	0.0	0.0	0.82	0.0	0.12	0.12 (TCE)
Natural gas- curing ovens, and Air makeup units	0.28	1.13	1.13	0.09	14.87	0.82	12.49	0.28	0.27 (Hexane)
Mig and TIG Welding	1.51	1.51	1.51	0	0	0	0	0.08	0.08 (Manganese)
Total PTE of Entire Source	17.74	18.59	18.59	0.09	14.87	46.99	12.49	0.83	0.35 (Xylene)
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	NA	NA
Emission Offset/Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA
negl. = negligible; TCE = Trichloroethylene * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM ₁₀), not particulate matter (PM), is considered as a "regulated air pollutant". US EPA has directed states to regulate PM ₁₀ emissions as surrogate for PM _{2.5} emissions. ** Existing VOC Emission limit from Surface Coating Line- P17 specified in M 043-20232-00058 is to avoid 326 IAC 8-1-6. There is no emission factor for PM _{2.5} in AP42, PM ₁₀ = PM _{2.5}									

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by TG Missouri Corporation – Indiana Site on April 8, 2013, relating to the disclosure of 13 unpermitted injection molding machines, the construction of 12 new injection machines, the increase in the maximum capacity of the existing injection molding machines, the increase in the maximum usage of cleaner/degreaser, and the correction of a discrepancy in the evaluation of the PTE of the surface coating lines, based on coatings used. Based on the revised PTE of the surface coating lines, the 326 IAC 8-1-6 (BACT) avoidance limit for surface coating line P17 is no longer needed and has been removed from the permit and a new 326 IAC 8-1-6 (BACT) avoidance limit for surface coating line P16 has been added to the permit.

The following is a list of the unpermitted emission units:

- (a) Thirteen (13) injection molding machines, constructed in 2013, with a maximum capacity of 600 pounds of polypropylene resin pellets per hour, total, using no control device, and exhausting indoors.

The following is a list of the new emission units:

- (b) Twelve (12) injection molding machines, approved for construction in 2013, with a maximum capacity of 474 pounds of polypropylene resin pellets per hour, total, using no control device, and exhausting indoors.

The following is a list of the existing modified emission units:

- (c) Fourteen (14) injection molding machines, constructed in 2005, with a maximum capacity of 460 pounds of polypropylene resin pellets per hour, total, using no control device, and exhausting indoors.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP Revision

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

Process/ Emission Unit	PTE of Proposed Modification (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
Unlimited Potential to Emit (PTE) of Existing Units Before Modification										
Surface Coating Lines P15	8.27	8.27	8.27	0	0	12.25	0	0.0	0.0	0.0
Surface Coating Lines P16	6.15	6.15	6.15	0	0	9.11	0	0.0	0.0	0.0
Surface Coating Lines P17	1.53	1.53	1.53	0	0	32.67	0	0.0	0.35	0.35 (Xylene)
14 Existing Injection Molding Machines	0	0	0	0.0	0.0	0.82	0.0	0.0	0.12	0.12 (TCE)
Unlimited Potential to Emit (PTE) of Existing Units After Modification										
Surface Coating Lines P15	8.28	8.28	8.28	0.00	0.00	12.25	0.00	0.00	0.0	0.0
Surface Coating Lines P16	2.36	2.36	2.36	0.00	0.00	33.60	0.00	0.00	1.7	1.7 (Hexamethylene Diisocyanate)
Surface Coating Lines P17	0.06	0.06	0.06	0.00	0.00	0.65	0.00	0.00	0.0	0.0
14 Existing Injection Molding Machines	0	0	0	0.0	0.0	1.01	0.0	0.0	0.12	0.12 (TCE)
Unlimited Potential to Emit (PTE) of New Units										
25 New Injection Molding Machines	0	0	0	0.0	0.0	1.69	0.0	0.0	0.05	0.05 (TCE)

Based on the revised PTE of the surface coating lines, the 326 IAC 8-1-6 (BACT) avoidance limit of less than 25 tons per year of VOC for surface coating line P17 is no longer needed and has been removed from the permit and a new 326 IAC 8-1-6 (BACT) avoidance limit of less than 25 tons per year of VOC for surface coating line P16 has been added to the permit.

Pursuant to 326 IAC 2-6.1-6(g)(6), this MSOP is revised through Minor Permit Revision because the source requested that surface coating line P16 be limited to avoid 326 IAC 8-1-6.

PTE of the Entire Source After Issuance of the MSOP Revision

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

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)									
	PM	PM10*	PM2.5*	SO ₂	NOx	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Surface Coating Line - P15	8.27 8.28	8.27 8.28	8.28	0.0	0.0	12.25	0.0	0.0	negl. 0.0	negl. 0.0
Surface Coating Line - P16***	6.15 2.36	6.15 2.36	2.36	0.0	0.0	9.11 24.99	0.0	0.0	negl. 1.70	negl. 1.70 (Hexamethylene Diisocyanate)
Surface Coating Line - P17	1.53 0.06	1.53 0.06	0.06	0.0	0.0	32.67 0.65	0.0	0.0	0.35 0.0	0.35 0.0 (Xylene)
Natural Gas Combustion	0.28 0.26	1.13 1.04	1.04	0.09 0.08	14.87 13.71	0.82 0.75	12.49 11.52	16,555	0.28 0.26	0.27 0.25 (Hexane)
Injection Molding Machines	0.0	0.0	0.0	0.0	0.0	0.82 2.70	0.0	0.0	0.12 0.17	0.12 0.17 (Trichloroethylene)
MIG and TIG Welding	1.51	1.51	1.51	0.0	0.0	0.0	0.0	0.0	0.08	0.08 (Manganese)
Fugitive Emissions - Paved Road	2.28	0.46	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total PTE of Entire Source	17.74 14.74	18.59 13.70	13.36	0.09 0.08	14.87 13.71	55.66 49.95	12.49 11.52	16,555	0.83 2.21	0.35 (Xylene) 1.70 (Hexamethylene Diisocyanate)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	100,000	NA	NA
Emission Offset/Nonattain ment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA	NA

negl. = negligible
 *Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".
 **The 100,000 CO₂e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.
 ***The VOC emission limit for Surface Coating Line- P16 is to avoid 326 IAC 8-1-6.

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)									
	PM	PM10*	PM2.5*	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Surface Coating Line - P15	8.28	8.28	8.28	0.0	0.0	12.25	0.0	0.0	0.0	0.0
Surface Coating Line - P16***	2.36	2.36	2.36	0.0	0.0	24.99	0.0	0.0	1.70	1.70 (Hexamethylene Diisocyanate)
Surface Coating Line - P17	0.06	0.06	0.06	0.0	0.0	0.65	0.0	0.0	0.0	0.0
Natural Gas Combustion	0.26	1.04	1.04	0.08	13.71	0.75	11.52	16,555	0.26	0.25 (Hexane)
Injection Molding Machines	0.0	0.0	0.0	0.0	0.0	2.70	0.0	0.0	0.17	0.17 (Trichloroethylene)
MIG and TIG Welding	1.51	1.51	1.51	0.0	0.0	0.0	0.0	0.0	0.08	0.08 (Manganese)
Fugitive Emissions - Paved Road	2.28	0.46	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total PTE of Entire Source	14.74	13.70	13.36	0.08	13.71	41.34	11.52	16,555	2.21	1.70 (Hexamethylene Diisocyanate)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	100,000	NA	NA
Emission Offset/Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant". **The 100,000 CO ₂ e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD. ***The VOC emission limit for Surface Coating Line- P16 is to avoid 326 IAC 8-1-6.										

MSOP Status

- (a) This revision to an existing Title V minor stationary source will not change the minor status, because the uncontrolled/unlimited potential to emit criteria pollutants from the entire source will still be less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-6.1 (MSOP).
- (b) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the PTE of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

- (c) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit greenhouse gases (GHGs) will still be less than the Title V subject to regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPSs)

- (a) The requirements of the New Source Performance Standard, 40 CFR 60, Subpart D, Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 (326 IAC 12), are not included in the permit, because each of the natural gas combustion units have maximum heat input capacities of less than two hundred fifty (250) million British thermal units per hour, each.
- (b) The requirements of the New Source Performance Standard, 40 CFR 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 (326 IAC 12), are not included in the permit, because each of the natural gas combustion units are not electric utility steam generating units.
- (c) The requirements of the New Source Performance Standard, 40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (326 IAC 12), are not included in the permit, because each of the natural gas combustion units have maximum heat input capacities of less than one-hundred (100) million British thermal units per hour, each.
- (d) The requirements of the New Source Performance Standard, 40 CFR 60, Subpart Dc, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (326 IAC 12), are not included in the permit, because each of the natural gas combustion units have maximum heat input capacities of less than ten (10) million British thermal units per hour, each.
- (e) The requirements of the New Source Performance Standard for Surface Coating of Metal Furniture, 40 CFR 60, Subpart EE (326 IAC 12), are not included in the permit, since this source does not coat metal furniture as described in §60.310(a).
- (f) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM (326 IAC 12), are not included in the permit, since this source does not coat automobiles or light duty trucks as described in §60.390(a).
- (g) The requirements of the New Source Performance Standard for Pressure Sensitive Tape and Label Surface Coating Operations, 40 CFR 60, Subpart RR (326 IAC 12), are not included in the permit, since this source does not coat sensitive tape or label materials as described in §60.440(a).
- (h) The requirements of the New Source Performance Standard for Industrial Surface Coating: Large Appliances, 40 CFR 60.450, Subpart SS (326 IAC 12), are not included in the permit, since this source does not coat large appliances as described in §60.450(a).
- (i) The requirements of the New Source Performance Standard for Metal Coil Surface Coating, 40 CFR 60.460, Subpart TT (326 IAC 12), are not included in the permit, since this source does not coat metal coils as described in §60.460(a).
- (j) The requirements of the New Source Performance Standard for the Beverage Can Surface Coating Industry, 40 CFR 60.490, Subpart WW (326 IAC 12), are not included in the permit, since this source does not coat beverage cans as described in §60.490(a).

- (k) The requirements of the New Source Performance Standard for Magnetic Tape Coating Facilities, 40 CFR 60.710, Subpart SSS (326 IAC 12), are not included in the permit, since this source does not coat magnetic tape as defined in §60.711(a)(13).
- (l) The requirements of the New Source Performance Standard for Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines, 40 CFR 60.720, Subpart TTT (326 IAC 12), are not included in the permit, since this source does not coat plastic parts for business machines as defined in §60.721(a).
- (m) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit.

National Emission Standards for Hazardous Air Pollutants (NESHAPs)

- (n) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Automobiles and Light-Duty Trucks, 40 CFR 63 Subpart IIII (326 IAC 20-85) are not included in the permit, since this source is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2. In addition, pursuant to 63.3081(b)(1), this source is not subject to this rule, since the source meets all of the following criteria:
 - (i) The coating operation is located at a plastic or composites molding facility;
 - (ii) All of the body parts topcoated at the facility for use in new automobiles or new light-duty trucks are fabricated (molded, stamped, formed, etc.) at the facility or at another plastic or composites molding facility owned/operated by this source, and none of the new vehicles in which these body parts are used are assembled at the facility; and
 - (iii) This source does not topcoat all of the body parts for any single new automobile or new light-duty truck at the facility.
- (o) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Metal Cans, 40 CFR 63 Subpart KKKK (326 IAC 20-86) are not included in the permit, since this source does not coat metal cans and is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2.
- (p) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM (326 IAC 20-80), are not included in the permit because the source is not a major source of HAPs as defined in 40 CFR 63.2.
- (q) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Large Appliances, 40 CFR 63 Subpart NNNN (326 IAC 20-63) are not included in the permit, since this source does not coat large appliances and is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2.
- (r) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Plastic Parts and Products, 40 CFR 63 Subpart PPPP (326 IAC 20-81) are not included in the permit, since this source is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2.
- (s) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Wood Building Products, 40 CFR 63 Subpart QQQQ (326 IAC 20-79), are not included in the permit, since this source does not coat wood building products and is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2.

- (t) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Metal Furniture, 40 CFR 63 Subpart RRRR (326 IAC 20-78), are not included in the permit, since this source does not coat metal furniture and is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2.
- (u) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Surface Coating of Metal Coil, 40 CFR 63 Subpart SSSS (326 IAC 20-64), are not included in the permit, since this source does not coat metal coils and is not located at a plant site that is a major source of HAPs as defined in 40 CFR part 63, subpart A, §63.2.
- (v) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP): Reinforced Plastics Composites Production, 40 CFR 63, Subpart WWWW (326 IAC 20-56) are not included in the permit, because this source is not a major source of HAPs.
- (w) The requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDD (326 IAC 20-95) are not included in the permit, because this source is not a major source of HAPs.
- (x) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, 40 CFR 63, Subpart HHHHHH, are not included in the permit, since this source does not conduct a paint stripping operation, an automotive body refinishing operation, or use spray application coatings that contain compounds of chromium, lead, manganese, nickel, or cadmium.
- (y) The requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63, Subpart JJJJJJ, are not included in the permit since the each of the natural gas combustion units are not considered a boiler.
- (z) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit.

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability - Entire Source

- (a) 326 IAC 2-6.1 (Minor Source Operating Permit)
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration)
The total source potential emissions of PM, PM-10, SO₂, VOC, NO_x, and CO, are less than 250 tons per year and of Lead is less than 25 tons per year. The source is not one of the 28 listed source categories. There are no applicable New Source Performance Standards that were in effect on August 7, 1980. The source has not conducted any modifications to trigger PSD and is currently considered a minor PSD source. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) do not apply.
- (c) 326 IAC 2-3 (Emission Offset)
This modification to an existing Emission Offset minor stationary source will not change the Emission Offset minor status, because the potential to emit of all nonattainment regulated pollutants from the entire source will continue to be less than 100 tons per year. Therefore,

- pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.
- (d) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit each individual hazardous air pollutant (HAP) is less than 10 tons per year and the potential to emit any combination of HAPs is less than 25 tons per year. Therefore, 326 IAC 2-4.1 does not apply.
 - (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
 - (f) 326 IAC 2-6 (Emission Reporting)
This source is located in Floyd County and the potential to emit of each criteria pollutant is less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.
 - (g) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
 - (h) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
 - (i) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year.
 - (j) 326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties)
Pursuant to 326 IAC 10-1-1(a)(3), this rule is applicable to facilities requiring a permit under 326 IAC 2 that are constructed, modified, or reconstructed after the effective date of the rule and to which an NSPS does not apply. Although this source requires a permit under 326 IAC 2, there are no units with the potential to emit NOX that alone would require a permit under 326 IAC 2. Therefore, the requirements of 326 IAC 10-1 are not applicable.
 - (k) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
 - (l) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

State Rule Applicability - Individual Facilities

Surface Coating Lines (P15, P16, P17)

- (a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2(d) are applicable to the surface coating lines (P15 and P16), since they have the potential to use more than five (5) gallons of coating per day. Pursuant to 326 IAC 6-3-2, particulate from the surface coating lines (P15 and P16) shall be controlled by dry particulate filter, waterwash, or equivalent control device and the Permittee shall operate the control device in accordance with manufacturer's specifications.

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.

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.

Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2 are not applicable to the surface coating line P17, since it does not have the potential to use more than five (5) gallons of coating per day.

- (b) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
Pursuant to 326 IAC 8-1-6, this rule applies to facilities located in any county, constructed after January 1, 1980, which have the potential to emit greater than 25 tons of VOC per year and are not subject to other provisions of 326 IAC 8, 326 IAC 20-48, or 326 IAC 20-56.

Based on the revised PTE calculations, the surface coating line P16 has an unlimited potential VOC emissions greater than twenty-five (25) tons per year. However, the source shall limit VOC emissions from surface coating line P16 to less than twenty-five (25) tons per 12 consecutive month period.

In order to render the requirements of 326 IAC 8-1-6 not applicable, the volatile organic compounds (VOC) input, including solvents and coatings, to the surface coating line P16 shall not exceed 24.99 tons per 12 consecutive month period, with compliance determined at the end of each month.

Compliance with this limit shall limit the VOC emissions from to the surface coating line P16 to less than 25 tons per 12 consecutive month period and shall render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable.

The surface coating lines (P15 and P16) are each not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each line is less than twenty-five (25) tons per year. Based on the revised PTE of the surface coating lines, the 326 IAC 8-1-6 (BACT) avoidance limit of less than 25 tons per year of VOC for surface coating line P17 is no longer needed and has been removed from the permit

- (c) 326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations)
Pursuant to 326 IAC 8-2-2, the three (3) surface coating lines (P15, P16, and P17) are each not subject to the requirements of 326 IAC 8-2-2, because each is not considered an automobile and light duty truck surface coating operation.

Note: As explained in Section IV of the Control Techniques Guidelines for Automobile and Light-Duty Truck Assembly Coatings, EPA-453/R-08-006, U.S. Environmental Protection Agency, September 2008. the auto and light-duty .truck assembly coatings product category under section 183(e) of the Clean Air Act (CAA) does not include coatings used at plastic or composites molding facilities as described in the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII). This Control Techniques Guidelines document can be found on internet at the following website:

http://www.epa.gov/airquality/ozonepollution/SIPToolkit/ctg_act/200809_voc_epa453_r-08-006_auto_ldtruck_assembly_coating.pdf

- (d) 326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)
Pursuant to 326 IAC 8-2-1(a)(4), this rule applies to facilities located in any county, constructed after July 1, 1990, which have actual emissions of greater than fifteen (15) pounds of VOC per day before add-on controls, and that perform surface coating of metal parts (and plastic parts in Lake County) as specified in 326 IAC 8-2-9(a) and (b). The three (3) surface coating lines (P15, P16, and P17) are each not subject to the requirements of 326 IAC 8-2-9, since they only coat plastic parts and are not located in Lake County.
- (e) 326 IAC 8-10 (Automobile Refinishing)
Pursuant to 326 IAC 8-10, the three (3) surface coating lines (P15, P16, and P17) are each not subject to the requirements of 326 IAC 8-10, because the lines do not perform refinishing of after-market motor vehicle parts and thus do not meet the definition of automobile refinishing under 326 IAC 8-10-2(5).

Injection Molding Machines

- (f) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(a), the requirements of 326 IAC 6-3-2(e) are not applicable to the injection molding machines, since each has the unlimited potential to emit particulate emissions of less than five hundred fifty-one thousandths (0.551) pound per hour, respectively.
- (g) 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)
Pursuant to 326 IAC 8-1-6, the requirements of 326 IAC 8-1-6 are not applicable since the unlimited VOC potential emissions from the injection molding machines are each less than twenty-five (25) tons per year.

Natural Gas-fired Combustion Units

- (h) 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)
The natural gas-fired combustion units are each a source of direct heating. Therefore, the requirements of 326 IAC 6-2-4 are not applicable.
- (i) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), the natural gas-fired combustion units are each exempt from the requirements of 326 IAC 6-3, because each has unlimited potential to emit particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour. In addition, the natural gas-fired combustion units are each exempt from the requirements of 326 IAC 6-3, because each is not considered a manufacturing process.

- (j) 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)
Pursuant to 326 IAC 7-1.1-1, the natural gas-fired combustion units are each not subject to the requirements of 326 IAC 7-1.1, since each has unlimited sulfur dioxide (SO₂) emissions less than twenty-five (25) tons per year and ten (10) pounds per hour respectively.
- (k) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The natural gas-fired combustion units are each not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions of each are less than twenty-five (25) tons per year.

Fluidized Bed Oven

- (l) 326 IAC 4-2-2 (Incinerators)
The natural gas-fired fluidized bed oven for cleaning paint racks is subject to the requirements of 326 IAC 4-2-2, because it meets the definition of incinerator in 326 IAC 1-2-34 and is not subject to any of the rules identified in 326 IAC 4-2-1(b)(2). Pursuant to 326 IAC 4-2-2(b), the natural gas-fired fluidized bed oven is subject to 326 IAC 4-2-2(a)(5) since it is not subject to a more stringent particulate matter emission limit in 40 CFR 52 Subpart P*, State Implementation Plan for Indiana.

Note: IDEM, OAQ considers paint burn off ovens as a form of incineration subject to 326 IAC 4-2. 326 IAC 1-2-34 defines "incinerator" as an engineered apparatus that burns waste substances with controls on combustion factors including, but not limited to temperature, retention time, and air. During the cleaning process within the oven, metal paint racks coated with dried paint are heated for a specified time and at a specified oven temperature to the point where the dried paint is thermally degraded, with any smoke (particulate matter and VOC) controlled by the secondary chamber/afterburner. 326 IAC does not define the terms "burns" or "waste substances". For the natural gas-fired fluidized bed oven, IDEM OAQ has determined that the dried paint being removed from metal paint racks is considered "waste substances" being "burned", and the temperature and time within the primary chamber, and the exhaust gas retention time and combustion air flow rate within the secondary chamber/afterburner are considered "controls on combustion factors".

Pursuant to 326 IAC 4-2-2 (Incinerators):

- (1) All incinerators shall comply with the following requirements:
 - (A) Consist of primary and secondary chambers or the equivalent.
 - (B) Be equipped with a primary burner unless burning only wood products.
 - (C) Comply with 326 IAC 5-1 and 326 IAC 2.
 - (D) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in subsection (3).
 - (E) Not emit particulate matter in excess of one (1) of the following:
 - (i) Three-tenths (0.3) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with a maximum solid waste capacity of greater than or equal to two hundred (200) pounds per hour.
 - (ii) Five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with solid waste capacity less than two hundred (200) pounds per hour.

- (F) If any of the requirements of subdivisions (A) through (E) are not met, then the owner or operator shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.
- (2) An incinerator is exempt from subsection (1)(E) if subject to a more stringent particulate matter emission limit in 40 CFR 52 Subpart P*, State Implementation Plan for Indiana.
- (3) An owner or operator developing an operation and maintenance plan pursuant to subsection (1)(D) must comply with the following:
 - (A) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in subsection (1)(E) and include the following:
 - (i) Procedures for receiving, handling, and charging waste.
 - (ii) Procedures for incinerator startup and shutdown.
 - (iii) Procedures for responding to a malfunction.
 - (iv) Procedures for maintaining proper combustion air supply levels.
 - (v) Procedures for operating the incinerator and associated air pollution control systems.
 - (vi) Procedures for handling ash.
 - (vii) A list of wastes that can be burned in the incinerator.
 - (B) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.
 - (C) The operation and maintenance plan must be readily accessible to incinerator operators.
 - (D) The owner or operator of the incinerator shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.
- (4) The owner or operator of the incinerator must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.
- (m) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(2), incineration is exempt from the requirements of 326 IAC 6-3. The fluidized bed oven is subject to the requirements of 326 IAC 4-2-2 (Incinerators). Therefore the requirements of 326 IAC 6-3 are not applicable.
- (n) 326 IAC 7-1 (Sulfur dioxide emission limitations: Applicability)
The fluidized bed oven is not subject to the requirements of 326 IAC 7-1, because it has potential and actual emissions of sulfur dioxide are less than twenty-five (25) tons per year and ten (10) pounds per hour respectively.
- (o) 326 IAC 8-1-6 (VOC rules: General Reduction Requirements for New Facilities)
The fluidized bed oven is not subject to the requirements of 326 IAC 8-1-6, since it has unlimited VOC potential emissions of less than twenty-five (25) tons per year.

There are no other 326 IAC 8 Rules that are applicable to each of the fluidized bed oven.

- (p) 326 IAC 9-1-2 (Carbon Monoxide Emission Limits)
This stationary source, constructed after the applicability date of March 21, 1972, is not subject to the requirements of 326 IAC 9-1-2(a)(3), since the fluidized bed oven does not burn refuse. Under 40 CFR 60, Subpart E (NSPS for Incinerators), refuse (or solid waste) is defined as being composed of more than 50 percent municipal type waste consisting of a mixture of paper, wood, yard wastes, food wastes, plastics, leather, rubber, and other combustibles, and noncombustible materials such as glass and rock. The fluidized bed oven is a specialty furnace designed specifically to remove dried paint from metal paint racks in order to reuse the paint racks. The secondary chamber/afterburner is designed to control any VOC and smoke which could be generated during the thermal destruction/incineration in the oven.

Condition D.1.4 has been removed from the permit because IDEM no longer considers the fluidized bed oven as refuse burning equipment. Therefore, 326 IAC 9-1-2 (Carbon Monoxide Emission Limits) does not apply to the fluidized bed oven.

- (q) 326 IAC 10-1-1 (Nitrogen Oxides Control)
The fluidized bed oven is not subject to the requirements of 326 IAC 10-1-1 (Nitrogen Oxides Control), because the source is not located in Clark or Floyd counties.
- (r) 326 IAC 11-6 (Hospital/Medical/Infectious Waste Incinerators)
Pursuant to 326 IAC 11-6, the fluidized bed oven is not subject to the requirements of 326 IAC 11-6, because it is not a hospital/medical/ infectious waste incinerator.
- (s) 326 IAC 11-7 (Emission Limitations for Municipal Waste Combustors)
Pursuant to 326 IAC 11-7, the fluidized bed oven is not subject to the requirements of 326 IAC 11-7, since it is not a municipal waste combustor and is exempted from this rule under 326 IAC 11-7-1(b)(4). Pursuant to 326 IAC 11-7-1(b)(4), any materials recovery facility that combusts waste for the primary purpose of recovering metals is exempt from 326 IAC 11-7.
- (t) 326 IAC 11-8 (Commercial and Industrial Solid Waste Incineration Units)
Pursuant to 326 IAC 11-8, the fluidized bed oven is not subject to the requirements of 326 IAC 11-8, because it is not considered a commercial and industrial solid waste incineration (CISWI) unit as defined 40 CFR 60.2875 and is exempted from this rule under 326 IAC 11-8-1(b)(8). Pursuant to 326 IAC 11-8-1(b)(8), any materials recovery facility that combusts waste for the primary purpose of recovering metals is exempt from 326 IAC 11-8.

Pursuant to the definitions under 40 CFR 60.2875, a commercial and industrial solid waste incineration (CISWI) unit does not include any of the fifteen types of units described in 40 CFR 60.2555. Pursuant to 40 CFR 60.2555(h), materials recovery units that combust waste for the primary purpose of recovering metals are not considered commercial and industrial solid waste incineration (CISWI) units.

Welding Operations

- (u) 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(9), the welding operations are each exempt from the requirements of 326 IAC 6-3, because each welding station has a potential welding wire usage rate of less than six hundred twenty-five (625) pounds per day.

Compliance Determination, Monitoring and Testing Requirements
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- (a) There are no changes to the compliance determination and monitoring requirements as a result of this proposed revision.

Proposed Changes

The following changes listed below are due to the proposed revision.

1. Section A.2 and D.1 have been revised to include the new and modified injection molding machines. Several emission unit descriptions in Section D.1 have been removed, since the units did not have applicable requirements in Section D.1.
2. Condition D.1.1 has been revised to remove the 326 IAC 8-1-6 (BACT) avoidance limit for surface coating line P17 and to include a new 326 IAC 8-1-6 (BACT) avoidance limit for surface coating line P16.
3. Condition D.1.2 has been revised to clarify that it only applies to surface coating lines P15 and P16, since each of these lines has the potential to use more than 5 gallons/day of surface coatings. Surface coating line P17 is not subject to the requirements of 326 IAC 6-3-2, since it has a potential paint usage of less than 5 gallons/day.
4. Condition D.1.3 has been revised to include the most recent requirements under 326 IAC 4-2-2 and to provide clarification regarding the requirements of this rule.
5. Condition D.1.4 has been removed from the permit because IDEM no longer considers the fluidized bed oven as refuse burning equipment. Therefore, 326 IAC 9-1-2 (Carbon Monoxide Emission Limits) does not apply to the fluidized bed oven.
6. Conditions D.1.7 (Record Keeping Requirements) and D.1.8 (Reporting Requirements) have been revised to provide clarification regarding the requirements of these conditions.

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

1. Pursuant to 326 IAC 2-7-1(39), starting July 1, 2011, greenhouse gases (GHGs) emissions are subject to regulation at a source with a potential to emit (PTE) 100,000 tons per year or more of CO₂ equivalent emissions (CO₂e). Therefore, CO₂e emissions have been calculated for this source. Based on the calculations, the unlimited PTE GHGs from the entire source is less than 100,000 tons of CO₂e per year (see Appendix A for the calculations). This did not require any changes to the permit.
2. Section A.1 of the permit and the reporting forms have been revised to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address.
3. For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", in accordance with Section C", or other similar language to "Section C...contains the Permittee's obligations with regard to the records required by this condition."
4. IDEM has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timelines have been switched to "no later than" or "not later than" except when the underlying rule states "within."
5. IDEM has determined that rather than having a certification condition and various references throughout the permit as to whether a particular report, notice, or correspondence needs to include a certification, the specific conditions that require an affirmation of truth and completeness shall state so. The certification condition has been removed. All statements to whether a certification, pursuant to the former Section B - Certification, is needed or not have been removed. Section B - Credible Evidence and Section C - Asbestos Abatement Projects still require certification as the underlying rules also require certifications.

6. IDEM has decided to clarify the requirements of Section B – Preventive Maintenance Plan and to add a new paragraph (b) to handle a future situation where the Permittee adds units that need preventive maintenance plans.
7. IDEM has revised the language of the Section B - Preventive Maintenance Plan, Section C - General Record Keeping, and Section C - General Reporting to allow the Permittee to not have to begin implementing the requirements of these conditions until ninety day after initial start up.
8. IDEM has revised Section B - Permit Renewal paragraph (c) to state which rule establishes the authority to set a deadline for the Permittee to submit additional information.
9. IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.
10. IDEM has revised Section C - Incineration to more closely reflect the two underlying rules.
12. IDEM has removed the first paragraph of Section C - Performance Testing as due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.
13. IDEM has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.
14. IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.
15. IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.
16. The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.
17. The word "status" has been added to Section D - Record Keeping Requirements and Section D - Reporting Requirements. The Permittee has the obligation to document the compliance status. The wording has been revised to properly reflect this.

The permit has been revised as follows with 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:

...

- (d) ~~Fourteen (14)~~ **Thirty-nine (39)** injection molding machines, ~~constructed in 2005, with a total combined maximum capacity of 460 pounds of polypropylene resin pellets per hour, total using no control device, and exhausting indoors.~~ **Fourteen (14) injection molding machines were constructed in 2005, thirteen (13) injection molding machines were constructed in 2013, and twelve (12) injection molding machine are approved for construction in 2013.**

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) surface coating line, identified as P15, constructed in 2005, consisting of:
- (1) One (1) paint kitchen (shared with P16) for mixing coatings in covered pails, exhausting to stack PK-2.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to stacks P15-1 and P15-2, capacity: 225 plastic automotive parts per hour.
 - (3) One (1) cure oven, rated 0.6 million British thermal units per hour.
- (b) One (1) surface coating line, identified as P16, constructed in 2005, consisting of:
- (1) One (1) paint kitchen (shared with P15) for mixing coatings in covered pails, exhausting to stack PK-2.
 - (2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and waterwall for overspray control, exhausting to stacks P16-1 and P16-2, capacity: 450 plastic automotive parts per hour.
 - (3) One (1) cure oven, rated 0.6 million British thermal units per hour.
- ~~(c) One (1) surface coating line, identified as P17, constructed in 2005, consisting of:~~
- ~~(1) One (1) paint kitchen for mixing coatings in covered pails, exhausting to stack PK-1.~~
 - ~~(2) One (1) spray booth, equipped with high volume, low pressure (HVLP) spray guns and dry filters for overspray control, exhausting to stacks P17-1 through P17-7, capacity: 154 plastic automotive parts per hour.~~
 - ~~(3) One (1) cure oven, rated 1.0 million British thermal units per hour.~~
 - ~~(4) Two (2) natural gas-fired air makeup units, rated 5.0 million British thermal units per hour, each.~~
- ~~(d) Fourteen (14) injection molding machines, constructed in 2005, capacity: 460 pounds of polypropylene resin pellets per hour, total.~~
- ~~(e) Maintenance welding, with total weld wire or rod usage less than 625 pounds per day, including:~~

(1) — One (1) MIG welder.
(2) — One (1) stick welder.
(f) — Six (6) natural gas-fired air makeup units, constructed in 2005, rated 3.14 million British thermal units per hour, each.
(g) One (1) natural gas-fired fluidized bed for cleaning paint racks, constructed in 2005, rated 0.892 million British thermal units per hour.
(h) — Two (2) natural gas-fired space heaters, constructed in 2005, rated 1.008 million British thermal units per hour, each.
(i) — Two (2) natural gas-fired office furnaces, constructed in 2005, rated 0.6182 million British thermal units per hour, each.
(j) — Electric infrared curing equipment.
(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

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

~~Pursuant to MSOP # M043-20232-00058, issued on December 9, 2004, the use of VOC, including coatings, dilution solvents, and cleaning solvents at one (1) surface coating line, identified as P17, shall be limited to 24.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of VOC to less than twenty-five (25) tons per year from the surface coating line. Compliance with this limit makes 326 IAC 8-1-6 (New facilities; General reduction requirements) not applicable.~~

In order to render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable to surface coating line P16, the Permittee shall comply with the following:

- (a) **The volatile organic compounds (VOC) input, including solvents and coatings, to the surface coating line P16 shall not exceed 24.99 tons per 12 consecutive month period, with compliance determined at the end of each month.**

Compliance with this VOC limit shall limit the VOC emissions from to the surface coating line P16 to less than 25 tons per 12 consecutive month period and shall render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable to surface coating line P16.

D.1.2 Particulate [326 IAC 6-3-2(d)]

- (a) Pursuant to 326 IAC 6-3-2(d), ~~particulates~~ **emissions** from the surface coating **lines (P15 and P16)** shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no overspray is visibly detectable at the exhaust or

accumulates on the ground.

- (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.1.3 Incinerators [326 IAC 4-2-2]

~~The fluidized bed oven for cleaning racks has a maximum waste substance capacity of less than 400 pounds per hour. Pursuant to 326 IAC 4-2-2 (Incinerators), the incinerator unit Permittee shall comply with the following for the fluidized bed oven:~~

- ~~(a) Consist of primary and secondary chambers or the equivalent;~~
- ~~(b) Be equipped with a primary burner unless burning wood products;~~
- ~~(c) Comply with 326 IAC 5-1 and 326 IAC 2;~~
- ~~(d) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in 326 IAC 4-2-2(c); and~~
- ~~(e) Not emit particulate matter in excess of five tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air.~~
- ~~(f) If any of the requirements of (a) through (e) above are not met, the Permittee shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.~~

~~The Permittee operating the incinerator must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.~~

(a) All incinerators shall comply with the following requirements:

- (1) Consist of primary and secondary chambers or the equivalent.**
- (2) Be equipped with a primary burner unless burning only wood products.**
- (3) Comply with 326 IAC 5-1 and 326 IAC 2.**
- (4) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in subsection (c).**
- (5) Not emit particulate matter in excess of one (1) of the following:**
 - (i) Three-tenths (0.3) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with a maximum solid waste capacity of greater than or equal to two hundred (200) pounds per hour.**
 - (ii) Five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions**

corrected to fifty percent (50%) excess air for incinerators with solid waste capacity less than two hundred (200) pounds per hour.

- (6) If any of the requirements of subdivisions (1) through (5) are not met, then the owner or operator shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.**
- (b) An incinerator is exempt from subsection (a)(5) if subject to a more stringent particulate matter emission limit in 40 CFR 52 Subpart P*, State Implementation Plan for Indiana.**
- (c) An owner or operator developing an operation and maintenance plan pursuant to subsection (a)(4) must comply with the following:**
- (1) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in subsection (a)(5) and include the following:**
- (A) Procedures for receiving, handling, and charging waste.**
 - (B) Procedures for incinerator startup and shutdown.**
 - (C) Procedures for responding to a malfunction.**
 - (D) Procedures for maintaining proper combustion air supply levels.**
 - (E) Procedures for operating the incinerator and associated air pollution control systems.**
 - (F) Procedures for handling ash.**
 - (G) A list of wastes that can be burned in the incinerator.**
- (2) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.**
- (3) The operation and maintenance plan must be readily accessible to incinerator operators.**
- (4) The owner or operator of the incinerator shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.**
- (d) The owner or operator of the incinerator must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.**

~~D.1.4 Carbon Monoxide Emission Limits [326 IAC 9-1-2]~~

~~Pursuant to 326 IAC 9-1-2 (Carbon Monoxide Emission Limits), the Permittee shall not operate the fluidized bed oven for cleaning paint racks unless the waste gas stream is burned in one of the following:~~

- ~~(a) Direct flame afterburner; or~~
- ~~(b) Secondary chamber.~~

D.1.54 Preventive Maintenance Plan [326 IAC 1-6-3]

~~A Preventive Maintenance Plan, in accordance with Section B – Preventive Maintenance Plan, of this permit, is required for the three (3) spray booths and any control devices.~~ **A Preventive Maintenance Plan is required for these facilities and their 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.1.65 Volatile Organic Compounds (VOC)

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

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.76 Record Keeping Requirements

(a) To document **the compliance status** with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through ~~(43)~~ below **for surface coating line P16**. Records maintained for (1) through ~~(43)~~ shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC ~~usage limits and the VOC emission~~ **input** limits established in Condition D.1.1. ~~Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.~~

(1) The VOC content of each coating material and solvent used.

~~(42)~~ The amount ~~and VOC content~~ of each coating material and solvent used **on a monthly basis at each coating line**. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents; **and**

~~(2)~~ ~~The cleanup solvent usage for each month at each surface coating line;~~

~~(3)~~ The total VOC ~~usage~~ **input** for each month **and each compliance period at each surface coating line**; **and**.

~~(4)~~ ~~The weight of VOCs emitted for each compliance period at each surface coating line.~~

(b) To document **the compliance status** with Condition D.1. ~~2(c)~~, the Permittee shall maintain **a record of any actions taken if overspray is visibly detected** ~~records of control device inspections, repairs of the control device, and changes in operations as required by that condition.~~

(c) ~~All records shall be maintained in accordance with Section C - General Record Keeping Requirements,~~ of this permit **contains the Permittee's obligations with regard to the records required by this condition.**

D.1.87 Reporting Requirements

A quarterly summary of the information to document **the compliance status** with Condition D.1.1 shall be submitted 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 its equivalent, within no 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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1.~~

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Indiana Department of Environmental Management Office of Air Quality Compliance and Enforcement Branch

Quarterly Report

Source Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Boulevard, New Albany, Indiana 47150
MSOP Permit No.: M043-28350-00058
Source: ~~One (1) s~~Surface Coating line P17P16
Pollutant: VOC usage
Limit: ~~No more than 24.0 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.~~**The volatile organic compounds (VOC) input, including solvents and coatings, to the surface coating line P16 shall not exceed 24.99 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.**

...

~~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, M043-28350-00058, 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. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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~~

~~(a) — Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~

~~(b) — One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.~~

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

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

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

~~(b) — The annual notice shall be submitted in the format attached no later than March 1 of each year to:~~

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

~~(c) — The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or~~

~~before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~

~~B.10 Preventive Maintenance Plan [326 IAC 1-6-3]~~

- ~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.~~
- ~~(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- ~~(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.~~

~~B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]~~

- ~~(a) All terms and conditions of permits established prior to M043-28350-00058 and issued pursuant to permitting programs approved into the state implementation plan have been either:~~
- ~~(1) incorporated as originally stated,~~
 - ~~(2) revised, or~~
 - ~~(3) deleted.~~
- ~~(b) All previous registrations and permits are superseded by this permit.~~

~~B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]~~

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

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

- ~~(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification 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 46204-2254

- (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 in writing by IDEM, OAQ any additional information identified as being needed to process the application.~~

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

- (a) ~~Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.~~
- (b) ~~Any application requesting an amendment or modification of this permit shall be submitted to:~~
- Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254
- ~~Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- (c) ~~The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]~~

~~B.15 Source Modification Requirement~~

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

~~B.16 Inspection and Entry~~

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

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

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

- ~~(b) — As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;~~
- ~~(c) — As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- ~~(d) — As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- ~~(e) — As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.~~

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

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

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- ~~(c) — The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]~~

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

- ~~(a) — The Permittee shall pay annual fees due within thirty (30) calendar days of receipt of a bill from IDEM, OAQ,,-~~
- ~~(b) — The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.~~

~~B.19 — Credible Evidence [326 IAC 1-1-6]~~

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

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

~~C.3 Opacity [326 IAC 5-1]~~

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

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

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

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

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

~~The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.~~

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

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

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

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

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

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

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

~~(A) Asbestos removal or demolition start date;~~

~~(B) Removal or demolition contractor; or~~

~~(C) Waste disposal site.~~

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

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

~~All required notifications shall be submitted to:~~

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~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 by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

~~(e) Procedures for Asbestos Emission Control~~

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

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

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

~~G.8 Performance Testing [326 IAC 3-6]~~

- (a) ~~All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.~~

~~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 46204-2254~~

~~no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- (b) ~~The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- (c) ~~Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.~~

~~Compliance Requirements [326 IAC 2-1.1-11]~~

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

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

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

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

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

~~C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]~~

~~Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.~~

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

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

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

Corrective Actions and Response Steps

~~C.13 Response to Excursions or Exceedances~~

~~(a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.~~

~~(b) 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). Corrective actions may include, but are not limited to, the following:~~

~~(1) initial inspection and evaluation;~~

~~(2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.~~

~~(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 maintain the following records:~~

~~(1) monitoring data;~~

- (2) ~~monitor performance data, if applicable; and~~
- (3) ~~corrective actions taken.~~

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

- (a) ~~When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.~~
- (b) ~~A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) 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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

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

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

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

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

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

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

~~Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.~~

- ~~(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.~~

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

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

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

- ~~(b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~
- ~~(c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- ~~(d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.~~

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, M043-28350-00058, 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 M043-28350-00058 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]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

- (d) **Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.**
- (e) **For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.**

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

- (B) Removal or demolition contractor; or**
 - (C) Waste disposal site.**
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).**
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).**

All required notifications shall be submitted to:

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

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

- (e) Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

- (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.**

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on April 8, 2013.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Minor Permit Revision No. 043-33059-00058. The staff recommends to the Commissioner that this MSOP Minor Permit Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Dominic Williams at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-6555 or toll free at 1-800-451-6027 extension 4-6555.
- (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.in.gov/idem

**Appendix A: Emissions Calculations
Emissions Summary**

Company Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
Minor Permit Revision No.: 043-33059-00058
Reviewer: Dominic Williams

Unlimited/Uncontrolled Potential Emissions (tons/year)										
Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Worst Single HAP
Non-Fugitive Emissions										
Surface Coating Line P15	8.28	8.28	8.28	-	-	12.25	-	-	-	-
Surface Coating Line P16	2.36	2.36	2.36	-	-	33.60	-	-	1.70	1.70 Hexamethylene Diisocyanate
Surface Coating Line P17	0.06	0.06	0.06	-	-	0.65	-	-	-	-
Natural Gas Combustion	0.26	1.04	1.04	0.08	13.71	0.75	11.52	16555	0.26	0.25 Hexane
Injection Molding	-	-	-	-	-	2.70	-	-	0.17	0.17 Trichloroethylene
Welding	1.51	1.51	1.51	-	-	-	-	-	0.08	0.08 Manganese
Total Non-Fugitive Emissions*	12.47	13.25	13.25	0.08	13.71	49.95	11.52	16555	2.21	1.70 Hexamethylene Diisocyanate
Fugitive Emissions										
Paved Roads and Parking Lots**	2.28	0.46	0.11	-	-	-	-	-	-	-
Total Fugitive Emissions*	2.28	0.46	0.11	-	-	-	-	-	-	-
Total Non-Fugitive and Fugitive Emissions*	14.74	13.70	13.36	0.08	13.71	49.95	11.52	16555	2.21	1.70 Hexamethylene Diisocyanate

Limited Potential Emissions (tons/year)										
Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Worst Single HAP
Non-Fugitive Emissions										
Surface Coating Line P15	8.28	8.28	8.28	-	-	12.25	-	-	-	-
Surface Coating Line P16	2.36	2.36	2.36	-	-	24.99	-	-	1.70	1.70 Hexamethylene Diisocyanate
Surface Coating Line P17	0.06	0.06	0.06	-	-	0.65	-	-	-	-
Natural Gas Combustion	0.26	1.04	1.04	0.08	13.71	0.75	11.52	16555	0.26	0.25 Hexane
Injection Molding	-	-	-	-	-	2.70	-	-	0.17	0.17 Trichloroethylene
Welding	1.51	1.51	1.51	-	-	-	-	-	0.08	0.08 Manganese
Total Non-Fugitive Emissions*	12.47	13.25	13.25	0.08	13.71	41.34	11.52	16555	2.21	1.70 Hexamethylene Diisocyanate
Fugitive Emissions										
Paved Roads and Parking Lots**	2.28	0.46	0.11	-	-	-	-	-	-	-
Total Fugitive Emissions*	2.28	0.46	0.11	-	-	-	-	-	-	-
Total Non-Fugitive and Fugitive Emissions*	14.74	13.70	13.36	0.08	13.71	41.34	11.52	16555	2.21	1.70 Hexamethylene Diisocyanate

Limited/Controlled Potential Emissions (tons/year)										
Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Total HAPs	Worst Single HAP
Non-Fugitive Emissions										
Surface Coating Line P15	1.66	1.66	1.66	-	-	12.25	-	-	-	-
Surface Coating Line P16	0.47	0.47	0.47	-	-	24.99	-	-	1.70	1.70 Hexamethylene Diisocyanate
Surface Coating Line P17	0.01	0.01	0.01	-	-	0.65	-	-	-	-
Natural Gas Combustion	0.26	1.04	1.04	0.08	13.71	0.75	11.52	16555	0.26	0.25 Hexane
Injection Molding	-	-	-	-	-	2.70	-	-	0.17	0.17 Trichloroethylene
Welding	1.51	1.51	1.51	-	-	-	-	-	0.08	0.08 Manganese
Total Non-Fugitive Emissions*	3.91	4.69	4.69	0.08	13.71	41.34	11.52	16555	2.21	1.70 Hexamethylene Diisocyanate
Fugitive Emissions										
Paved Roads and Parking Lots**	2.09	0.42	0.10	-	-	-	-	-	-	-
Total Fugitive Emissions*	2.09	0.42	0.10	-	-	-	-	-	-	-
Total Non-Fugitive and Fugitive Emissions*	6.01	5.11	4.80	0.08	13.71	41.34	11.52	16555	2.21	1.70 Hexamethylene Diisocyanate

Notes

*Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability. The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6 (Minor Source Operating Permit) applicability.

**Mitigated PTE (tons/yr) is taking natural mitigation due to precipitation into consideration.

**Appendix A: Emissions Calculations
VOC and Particulate
Surface Coating Operations (P15, P16, P17)**

Company Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
Minor Permit Revision No.: 043-33059-00058
Reviewer: Dominic Williams

P15																				
Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Maximum (gal/day)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	PM Control Efficiency		
467W	9.27	59.05%	43.9%	15.2%	53.5%	33.49%	0.01106	180	48	3.02	1.40	2.80	67.10	12.25	8.28	4.19	75%	80%		
Total											2.80	67.10	12.25	8.28					1.66	
P16																				
Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Maximum (gal/day)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	PM Control Efficiency		
EconetEY	7.76	81.00%	0.0%	81.0%	0.0%	14.00%	0.00071025	800.000	14	6.29	6.29	3.57	85.72	15.64	0.92	44.90	75%	80%		
	7.76	81.00%	0.0%	81.0%	0.0%	14.00%	0.00010682	800.000	2	6.29	6.29	0.54	12.89	2.35	0.14	44.90	75%	80%		
Poly Hard	7.75	75.00%	0.0%	75.0%	0.0%	20.00%	0.00066043	800.000	13	5.81	5.81	3.07	73.70	13.45	1.12	29.06	75%	80%		
	7.75	75.00%	0.0%	75.0%	0.0%	20.00%	0.00010567	800.000	2	5.81	5.81	0.49	11.79	2.15	0.18	29.06	75%	80%		
Total									30.4		7.67	184.10	33.60	2.36			0.47			
P17																				
Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Maximum (gal/day)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	PM Control Efficiency		
326wht227	8.69	81.00%	0.0%	81.0%	0.0%	30.00%	0.00026	124.000	0.8	4.51	4.51	0.15	3.54	0.65	0.06	23.46	75%	80%		
Total											0.15	3.54	0.65	0.06					0.01	
Combined Totals:												10.61	254.75	46.49	10.69					2.14

Methodology:
Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1-Weight % Volatiles) * (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 + Sum of all solvents used

Appendix A: Emissions Calculations
HAP Emission Calculations
Surface Coating Operations (P15, P16, P17)

Company Name: TG Missouri Corporation – Indiana Site
 Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
 Minor Permit Revision No.: 043-33059-00058
 Reviewer: Dominic Williams

Unit ID	Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Phenol	Weight % Toluene	Weight % Ethylene Glycol	Weight % Formaldehyde	Weight % Methanol	Weight % Hexamethylene Diisocyanate	Phenol Emissions (tons/yr)	Toluene Emissions (tons/yr)	Ethylene Glycol Emissions (ton/yr)	Formaldehyde Emissions (tons/yr)	Methanol Emissions (tons/yr)	Hexamethylene Diisocyanate Emissions (tons/yr)	Total HAP Emissions (tons/yr)
P15	467W	9.27	0.01106	180	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total											0.00	0.00	0.00	0.00	0.00	0.00	0.00
P16	EconetEY	7.76	0.00071025	800	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	0.00	0.00	0.00	0.00	0.00	0.03	0.03
		7.76	0.00010682	800	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	0.00	0.00	0.00	0.00	0.00	0.01	0.01
P16	Poly Hard	7.75	0.00066043	800	0.00%	0.00%	0.00%	0.00%	0.00%	7.98%	0.00	0.00	0.00	0.00	0.00	1.43	1.43
		7.75	0.00010567	800	0.00%	0.00%	0.00%	0.00%	0.00%	7.98%	0.00	0.00	0.00	0.00	0.00	0.23	0.23
Total											0.00	0.00	0.00	0.00	0.00	1.70	1.70
P17	326wht227	8.69	0.00026	124	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total											0.00	0.00	0.00	0.00	0.00	0.00	0.00

Methodology:

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

**Appendix A: Emission Calculations
Natural Gas Combustion Only
Capacity <100 MMBtu/hr**

**Company Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
Minor Permit Revision No.: 043-33059-00058
Reviewer: Dominic Williams**

Unit (Associated Process)	Maximum Heat Input Capacity (MMBtu/hr)	High Heat Value (MMBtu/MMscf)	Number of Units	Potential Throughput (MMcf/yr)
Cure Oven (P15, P16)	0.60	1020	2	10.31
Cure Oven (P17)	1.00	1020	1	8.59
Air Makeup Unit (P17)	5.00	1020	2	85.88
Air Makeup Unit (General Source)	3.14	1020	6	161.80
Fluidized Bed (P15, P16, P17)	0.892	1020	1	7.66
Space Heater (General Source)	1.008	1020	2	17.31
Office Furnace (General Source)	0.6182	1020	2	10.62
Totals	10.63			274.24

Criteria Pollutants

Pollutant	PM*	PM10*	PM2.5*	SO2	NOx**	VOC	CO
Emission Factor in lb/MMcf	1.9	7.6	7.6	0.6	100	5.5	84
Potential Emission in tons/yr	0.26	1.04	1.04	0.082	13.71	0.75	11.52

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 assumed equal to PM10

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Hazardous Air Pollutants

Pollutant	HAPs - Organics*				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	2.9E-04	1.6E-04	1.0E-02	2.5E-01	4.7E-04

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

Hazardous Air Pollutants

Pollutant	HAPs - Metals*						
	As	Cd	Cr	Hg	Mn	Ni	Pb
Emission Factor in lb/MMcf	2.0E-04	1.1E-03	1.4E-03	2.6E-04	3.8E-04	2.1E-03	5.0E-04
Potential Emission in tons/yr	2.7E-05	1.5E-04	1.9E-04	3.6E-05	5.2E-05	2.9E-04	6.9E-05

*The seven highest metal HAPs emission factors are provided above. Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Potential to Emit Total HAPs (tons/year) 0.26

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Greenhouse Gases (GHGs)

Greenhouse Gas	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	16454	0.32	0.30
Summed Potential Emissions in tons/yr	16455		
CO2e Total in tons/yr	16555		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

Abbreviations

PM = Particulate Matter

PM10 = Particulate Matter (<10 um)

PM2.5 = Particulate Matter (<2.5 um)

SO2 = Sulfur Dioxide

NOx = Nitrogen Oxides

VOC = Volatile Organic Compounds

CO = Carbon Monoxide

As = Arsenic

Cd = Cadmium

Cr = Chromium

Hg = Mercury

Mn = Manganese

Ni = Nickel

Pb = Lead

CO2 = Carbon Dioxide

CH4 = Methane

N2O = Nitrogen Oxide

CO2e = CO2 equivalent emissions

**Addendum Appendix A: Emissions Calculations
Injection Molding Machines**

**Company Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
Minor Permit Revision No.: 043-33059-00058
Reviewer: Dominic Williams**

Material	Maximum pounds of resin per hour**	Weight % VOC*	Weight % HAPs	Emission Factor (weight % of starting monomer emitted)	Pounds VOC per hour	Pounds VOC per day	Tons of VOC per Year
Polypropylene resin pellets (14 Units)	552	1%	0%	3%	0.17	3.97	0.73
Polypropylene resin pellets (13 Units)	720	1%	0%	3%	0.22	5.18	0.95
Polypropylene resin pellets (12 Units)	568.8	1%	0%	3%	0.17	4.10	0.75
Totals:	1840.80				0.55	13.25	2.42

Non-Open Molding Operations include the following: continuous lamination, pultrusion, marble casting, and closed molding.

METHODOLOGY

Potential VOC Pounds per Hour = Maximum pounds of resin per hour * Weight % of Monomer * Emission factor (weight % of starting monomer emitted)

Potential VOC Pounds per Day = Potential VOC Pounds per Hour * (24 hrs / 1 day)

Potential VOC Tons per Year = Potential VOC Pounds per Hour * (8760 hr/yr) * (1 ton / 2000 lbs)

Emission Factors for Marble Casting and Closed Molding are 3% for NVS and 2% for VS.

* This material contains a negligible amount of VOC. 1% is used for conservatism.

**The maximum pounds of resin per hour is increased by a factor of 20% above current rate to account for future fluctuations in rate.

Actual Total: 460 + 600 + 474 = 1534; Adjusted Total (using 20% increase factor): 552 + 720 + 568.8 = 1840.8

Other materials:

Expected Usage of Each material (cans/week)	Content of can (lbs/can)	Safety Factor	Maximum Usage (lbs/yr)
1	1	2	145.6

Material	Maximum pounds per year	Weight % VOC	Weight % Trichloroethylene	Tons of VOC per Year	Tons of Trichloroethylene per Year
Mold release	145.6	99%	0%	0.07	0.00
Cleaner/degreaser @ 2 per week	291.2	97%	75%	0.14	0.11
Rust preventive	145.6	100%	85%	0.07	0.06
Totals:				0.29	0.17

METHODOLOGY

Maximum Usage (lbs/yr) = Expected usage (cans/week) * Content of can (lbs/can) * Safety Factor * 7 total days per week / 5 actual days per week * 52 weeks/yr

Potential VOC Tons per Year = Maximum pounds per year * Weight % VOC / 2,000 lbs/ton

Potential HAP (Trichloroethylene) Tons per Year = Maximum pounds per year * Weight % HAP / 2,000 lbs/ton

Totals:

VOC (tons/yr)	Total HAP (tons/yr)
2.70	0.17

**Appendix A: Emissions Calculations
Welding and Thermal Cutting**

**Company Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
Minor Permit Revision No.: 043-33059-00058
Reviewer: Dominic Williams**

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10/PM2.5	Mn	Ni	Cr	PM = PM10/PM2.5	Mn	Ni	Cr	
WELDING												
Submerged Arc	0	0		0.036	0.011			0.000	0.000	0.000	0.000	0.000
Metal Inert Gas (MIG)(carbon steel)	1	13		0.0055	0.0005			0.072	0.007	0.000	0.000	0.007
Stick (E7018 electrode)	1	13		0.0211	0.0009			0.274	0.012	0.000	0.000	0.012
Tungsten Inert Gas (TIG)(carbon steel)	0	0		0.0055	0.0005			0.000	0.000	0.000	0.000	0.000
Oxyacetylene(carbon steel)	0	0		0.0055	0.0005			0.000	0.000	0.000	0.000	0.000
FLAME CUTTING	Number of Stations	Max. Metal Thickness Cut (in.)	Max. Metal Cutting Rate (in./minute)	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)**				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
				PM = PM10/PM2.5	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Oxyacetylene	0	0	15	0.1622	0.0005	0.0001	0.0003	0.000	0.000	0.000	0.000	0.000
Oxymethane	0	0		0.0815	0.0002		0.0002	0.000	0.000	0.000	0.000	0.000
Plasma**	0	0	150	0.0039				0.000	0.000	0.000	0.000	0.000
EMISSION TOTALS												
Potential Emissions lbs/hr								0.346	0.018	0.000	0.000	0.018
Potential Emissions lbs/day								8.30	0.437	0.00	0.00	0.437
Potential Emissions tons/year								1.51	0.080	0.00	0.00	0.080

METHODOLOGY

Calculations are conservative since these are maintenance welders and are seldom used.

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

**Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions.

Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/1,000 in. cut, 8 mm thick

Plasma cutting emissions, lb/hr: (# of stations)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 8 mm thick)

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

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

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

Company Name: TG Missouri Corporation – Indiana Site
Source Address: 5331 Foundation Blvd, New Albany, Indiana 47150
Minor Permit Revision No.: 043-33059-00058
Reviewer: Dominic Williams

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Passenger Vehicles (entering plant) (one-way trip)	104.0	1.0	104.0	3.0	312.0	200	0.038	3.9	1437.9
Passenger Vehicles (leaving plant) (one-way trip)	104.0	1.0	104.0	3.0	312.0	200	0.038	3.9	1437.9
Semi Trucks (entering plant) (one-way trip)	25.0	1.0	25.0	17.0	425.0	1000	0.189	4.7	1728.2
Semi Trucks (leaving plant) (one-way trip)	25.0	1.0	25.0	40.0	1000.0	1000	0.189	4.7	1728.2
Total			258.0		2049.0			17.3	6332.2

Average Vehicle Weight Per Trip = $\frac{7.9}{0.07}$ tons/trip
Average Miles Per Trip = $\frac{0.07}{0.07}$ miles/trip

Unmitigated Emission Factor, Ef = $[k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	7.9	7.9	7.9	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m ² = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, Eext = $\frac{Ef * [1 - (p/4N)]}{N}$
where p = $\frac{120}{365}$ days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N = 365 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	0.720	0.144	0.0353	lb/mile
Mitigated Emission Factor, Eext =	0.661	0.132	0.0324	lb/mile

Process	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Passenger Vehicles (entering plant) (one-way trip)	0.52	0.10	0.03	0.48	0.10	0.02
Passenger Vehicles (leaving plant) (one-way trip)	0.52	0.10	0.03	0.48	0.10	0.02
Semi Trucks (entering plant) (one-way trip)	0.62	0.12	0.03	0.57	0.11	0.03
Semi Trucks (leaving plant) (one-way trip)	0.62	0.12	0.03	0.57	0.11	0.03
	2.28	0.46	0.11	2.09	0.42	0.10

Methodology

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

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

TO: Dan Smith
TG Missouri Corporation – Indiana Site
2200 Plattin Rd
Perryville, MO 63775

DATE: July 30, 2013

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

SUBJECT: Final Decision
MSOP - Minor Permit Revision
043 - 33059 - 00058

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:
Dean Link, VP Interior/Exterior
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

Mail Code 61-53

IDEM Staff	LPOGOST 7/30/2013 TG Missouri Corporation 043 - 33059 - 00058 final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

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2		Dean Link VP Interior/Exterior TG Missouri Corporation 2200 Plattin Rd Perryville MO 63775 (RO CAATS)									
3		Mr. Robert Bottom Paddlewheel Alliance P.O. Box 35531 Louisville KY 40232-5531 (Affected Party)									
4		Floyd County Commissioners 2524 Corydon Pike, Ste 204 New Albany IN 47150 (Local Official)									
5		New Albany City Council and Mayors Office City County Building #316 New Albany IN 47150 (Local Official)									
6		Floyd County Health Department 1917 Bono Rd New Albany IN 47150-4607 (Health Department)									
7		Ms. Sue Green 1985 Kepley Road Georgetown IN 47122 (Affected Party)									
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