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

NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Revision to a
Federally Enforceable State Operating Permit (FESOP)

for Webb Wheel Products, Inc. in Perry County

Significant Permit Revision No.: 123-35959-00024

The Indiana Department of Environmental Management (IDEM) has received an application from Webb Wheel Products, Inc., located at 9840 West State Road 66, Tell City, Indiana 47586, for a significant revision of its FESOP issued on February 16, 2015. If approved by IDEM's Office of Air Quality (OAQ), this proposed revision would allow Webb Wheel Products, Inc. to make certain changes at its existing source. Webb Wheel Products, Inc. has applied to to change the name of "MTC500 Cell" to "Hub High Volume Line 4" and "Hub High Volume Line 3 Drilling 2 Operation 20" to "Miscellaneous Drilling 1 Operation 20" and construct and operate two (2) new lines identified as Drum/Rotor Machining Line 3 and Drum/Rotor Machining Line 4, respectively, three (3) new miscellaneous drilling operations, and two (2) new miscellaneous grinding operations.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). The potential to emit of any regulated air pollutants will continue to be limited to less than the Title V and PSD major threshold levels. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings are available at:

Tell City Public Library
2328 Tell Street
Tell City, Indiana 47586

and

IDEM Southeast Regional Office
820 West Sweet Street
Brownstown, IN 47220-9557

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

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing,

IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPR 123-35959-00024 in all correspondence.

Comments should be sent to:

Adam Wheat
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 3-8397
Or dial directly: (317) 233-8397
Fax: (317) 232-6749 attn: Adam Wheat
E-mail: awheat@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

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

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Adam Wheat of my staff at the above address.

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

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Joshua Etienne
Webb Wheel Products, Inc.
9840 West State Road 66
Tell City, Indiana 47586

Re: 123-35959-00024
Significant Revision to
F123-35067-00024

Dear Joshua Etienne,

Webb Wheel Products, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) No. F123-35067-00024 on February 16, 2015, for a stationary truck hub, brake drum, and rotor painting and machining source located at 9840 West State Road 66, Tell City, Indiana 47586. On June 16, 2015, the Office of Air Quality (OAQ) received an application from the source requesting to change the name of "MTC500 Cell" to "Hub High Volume Line 4" and "Hub High Volume Line 3 Drilling 2 Operation 20" to "Miscellaneous Drilling 1 Operation 20" and construct and operate two (2) new lines identified as Drum/Rotor Machining Line 3 and Drum/Rotor Machining Line 4, respectively, three (3) new miscellaneous drilling operations, and two (2) new miscellaneous grinding operations. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

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

2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

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

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

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

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as revised.

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Adam Wheat of my staff at 317-233-8397 or 1-800-451-6027, and ask for extension 3-8397.

Sincerely,

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

Attachments: Technical Support Document and revised permit

NB/JL

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

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DRAFT

New Source Review and Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

Webb Wheel Products, Inc.
9840 West State Road 66
Tell City, Indiana 47586

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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 FESOP under 326 IAC 2-8.

Operation Permit No. F123-35067-00024	
Issued by: Original Signed by: Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 16, 2015 Expiration Date: February 16, 2020

Significant Permit Revision No.: 123-35959-00024	
Issued by: Nathan Bell, Section Chief, Permits Branch Office of Air Quality	Issuance Date: Expiration Date: February 16, 2020

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary truck hub, brake drum, and rotor painting and machining source.

Source Address:	9840 West State Road 66, Tell City, Indiana 47586
General Source Phone Number:	812-548-5498
SIC Code:	3714 (Motor Vehicle Parts and Accessories)
County Location:	Perry
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(a) One (1) Hub High Volume Inline, identified as Complete Machining Center, with a maximum capacity of 99.2 wheel parts per hour, total, and 250 gallons per month of coolant solvent, consisting of a total of three (3) lines with the following equipment:

(1) Hub High Volume Line 1, constructed in 2004, with a total maximum capacity of 25.6 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) One (1) vertical lathe identified as Operation 10, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(1).

(B) One (1) vertical lathe identified as Operation 20, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(2).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 20(1).

(D) One (1) grinding operation, identified as Operation 40, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 10(1).

(2) Hub High Volume Line 2, constructed in 2004, with a total maximum capacity of 25.6 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) One (1) vertical lathe identified as Operation 10, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(3).

(B) One (1) vertical lathe identified as Operation 20, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(4).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 20(2).

(D) One (1) grinding operation, identified as Operation 40, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 10(2).

(3) Hub High Volume Line 3, constructed in 2008 and modified in 2012, with a total maximum capacity of 48 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) One (1) dual spindle horizontal lathe, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collector WSO 20(3).

(B) Two (2) vertical lathes, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collectors DFO 2-2(5) and DFO 2-2(6), respectively.

(C) One (1) drilling operation, identified as Operation 20, with a maximum capacity of 48 Hub parts per hour, exhausting inside the building to dust collector WSO 20(4).

(D) One (1) grinding operation, identified as Operation 30, with a maximum capacity of 30 Hub parts per hour, exhausting inside the building to dust collector WSO 10(3).

(4) Hub High Volume Line 4, constructed in 2008 and modified in 2012, with a total maximum capacity of 24 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) Two (2) vertical lathes, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collectors DFO 2-2(7) and DFO 2-2(8), respectively.

(B) One (1) drilling operation, identified as Operation 20, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collector WSO 20(6).

(C) One (1) grinding operation, identified as Operation 30, with a maximum capacity of 30 Hub parts per hour, exhausting inside the building to dust collector WSO 10(4).

(5) One Hub parts washer which is an open top vapor degreaser, identified as HS13, equipped with a natural gas-fired burner, identified as HS12, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(b) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center, constructed in 2004, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 1, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(9a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(9b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(7).

(2) Drum/Rotor Machining Line 2, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(10a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(10b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(8).

(3) One (1) drum parts washer which is an open top vapor degreaser, identified as HS15, equipped with a natural gas-fired burner, identified as HS14, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(c) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center 2, approved in 2015 for construction, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 3, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(9).

(2) Drum/Rotor Machining Line 4, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(10).

(d) One (1) drilling operation, identified as Miscellaneous Drilling 1 Operation 20, constructed in 2008 and modified in 2012, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(5).

(e) One (1) drilling operation, identified as Miscellaneous Drilling 2 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(11).

(f) One (1) drilling operation, identified as Miscellaneous Drilling 3 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(12).

(g) One (1) drilling operation, identified as Miscellaneous Drilling 4 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(13).

(h) One (1) grinding operation, identified as Miscellaneous Grinding 1 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(5).

(i) One (1) grinding operation, identified as Miscellaneous Grinding 2 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(6).

(j) One (1) Drum Painting Area, identified as Drum Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

(1) One (1) automatic spray paint system, constructed in 2004, identified as DS11, with a maximum capacity to surface coat 100 wheel parts per hour using 0.02 gallons per wheel, equipped with a dry filter overspray recovery system for particulate control, exhausting to stack DS11.

(2) One (1) natural gas-fired dry-off oven, constructed in 2004, identified as HS10, with a maximum heat input capacity of 0.500 million British thermal units per hour.

(k) One (1) Hub painting area, identified as Hub Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

(1) One (1) powder coat paint system, constructed in 2004, including two (2) powder booths, identified as Norson powder booth white and Norson powder booth black, respectively, each with a maximum capacity to powder coat 100 wheel parts per hour using 0.06 gallons per wheel, equipped with a dry filter overspray recovery system for particulate control, exhausting inside the building.

(l) One (1) indirect-fired natural gas-fired IR gel oven, identified as HS6, constructed in 2004, with a maximum heat input capacity of 1.44 million British thermal units per hour, uncontrolled and exhausting indoors.

(m) One (1) indirect-fired natural gas-fired convection cure oven, identified as HS7, constructed in 2004, with a maximum heat input capacity of 0.800 million British thermal units per hour, uncontrolled and exhausting indoors.

(n) One (1) indirect-fired natural gas-fired preheat oven, identified as DS10, constructed in 2004, with a maximum heat input capacity of 0.500 million British thermal units per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

(a) One (1) indirect-fired natural gas-fired air make up unit, identified as HS16, constructed in 2004, with a maximum heat input capacity of 3.207 million British thermal units per hour, uncontrolled and exhausting indoors.

(b) One (1) indirect-fired natural gas-fired air make up unit, identified as HS17, constructed in 2004, with a maximum heat input capacity of 3.207 million British thermal units per hour, uncontrolled and exhausting indoors.

(c) Two (2) indirect-fired natural gas-fired office heaters, identified as HST18 and HST19, respectively, each constructed in 2004, each with a maximum heat input capacity of 0.100 million British thermal units per hour, each uncontrolled and exhausting indoors.

(d) Two (2) indirect-fired natural gas-fired office heaters, identified as HST20 and HST21, respectively, each constructed in 2004, each with a maximum heat input capacity of 0.180 million British thermal units per hour, each uncontrolled and exhausting indoors.

(e) One (1) indirect-fired natural gas-fired office heater, identified as HST22, constructed in 2004, with a maximum heat input capacity of 0.160 million British thermal units per hour, uncontrolled and exhausting indoors.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, F123-35067-00024, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

B.4 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

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

B.5 Severability [326 IAC 2-8-4(4)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:

(1) it contains a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

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

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

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

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

(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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.12 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or Southeast Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southeast Regional Office phone: (812) 358-2027; fax: (812) 358-2058**.**

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or

contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

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

(a) All terms and conditions of permits established prior to F123-35067-00024 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.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

(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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 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 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(1) and (c).

(b) Emission Trades [326 IAC 2-8-15(b)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(b).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

(d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.19 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][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 FESOP 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.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(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 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

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. The

notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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.

Testing Requirements [326 IAC 2-8-4(3)]

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 a certification that meets the requirements of 326 IAC 2-8-5(a)(1) 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 2-8-4][326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

(a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

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

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

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

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

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

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

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

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval 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 ninety (90) days after the date of issuance of this permit.

The ERP does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

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

C.13 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(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. Support information includes the following, where applicable:

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the FESOP.

Records of required monitoring information include the following, where applicable:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

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

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

C.17 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be

included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Hub High Volume Inline, identified as Complete Machining Center, with a maximum capacity of 99.2 wheel parts per hour, total, and 250 gallons per month of coolant solvent, consisting of a total of three (3) lines with the following equipment:

(1) Hub High Volume Line 1, constructed in 2004, with a total maximum capacity of 25.6 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) One (1) vertical lathe identified as Operation 10, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(1).

(B) One (1) vertical lathe identified as Operation 20, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(2).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 20(1).

(D) One (1) grinding operation, identified as Operation 40, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 10(1).

(2) Hub High Volume Line 2, constructed in 2004, with a total maximum capacity of 25.6 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) One (1) vertical lathe identified as Operation 10, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(3).

(B) One (1) vertical lathe identified as Operation 20, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector DFO 2-2(4).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 20(2).

(D) One (1) grinding operation, identified as Operation 40, with a maximum capacity of 25.6 Hub parts per hour, exhausting inside the building to dust collector WSO 10(2).

(3) Hub High Volume Line 3, constructed in 2008 and modified in 2012, with a total maximum capacity of 48 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) One (1) dual spindle horizontal lathe, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collector WSO 20(3).

(B) Two (2) vertical lathes, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collectors DFO 2-2(5) and DFO 2-2(6), respectively.

(C) One (1) drilling operation, identified as Operation 20, with a maximum capacity of 48 Hub parts per hour, exhausting inside the building to dust collector WSO 20(4).

(D) One (1) grinding operation, identified as Operation 30, with a maximum capacity of 30 Hub parts per hour, exhausting inside the building to dust collector WSO 10(3).

(4) Hub High Volume Line 4, constructed in 2008 and modified in 2012, with a total maximum capacity of 24 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) Two (2) vertical lathes, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collectors DFO 2-2(7) and DFO 2-2(8), respectively.

(B) One (1) drilling operation, identified as Operation 20, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collector WSO 20(6).

(C) One (1) grinding operation, identified as Operation 30, with a maximum capacity of 30 Hub parts per hour, exhausting inside the building to dust collector WSO 10(4).

(5) One Hub parts washer which is an open top vapor degreaser, identified as HS13, equipped with a natural gas-fired burner, identified as HS12, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(b) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center, constructed in 2004, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 1, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(9a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(9b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(7).

(2) Drum/Rotor Machining Line 2, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(10a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(10b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(8).

(3) One (1) drum parts washer which is an open top vapor degreaser, identified as HS15, equipped with a natural gas-fired burner, identified as HS14, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(c) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center 2, approved in 2015 for construction, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 3, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(9).

(2) Drum/Rotor Machining Line 4, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(10).

(d) One (1) drilling operation, identified as Miscellaneous Drilling 1 Operation 20, constructed in 2008 and modified in 2012, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(5).

(e) One (1) drilling operation, identified as Miscellaneous Drilling 2 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(11).

(f) One (1) drilling operation, identified as Miscellaneous Drilling 3 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(12).

(g) One (1) drilling operation, identified as Miscellaneous Drilling 4 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(13).

(h) One (1) grinding operation, identified as Miscellaneous Grinding 1 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(5).

(i) One (1) grinding operation, identified as Miscellaneous Grinding 2 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(6).

(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 2-8-4(1)]

D.1.1 Particulate Limitations [326 IAC 2-2] [326 IAC 2-8-4]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP) and render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-7 (Part 70 Permit Program) not applicable, each of the following emission units shall not exceed the associated emission limits specified in the table below:

Dust Collector ID	Emission Unit	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)	PM2.5 Limit (lbs/hr)
DFO 2-2(1)	Hub Line 1 Lathe Operation 10	0.16	0.02	0.02
DFO 2-2(2)	Hub Line 1 Lathe Operation 20	0.16	0.02	0.02
WSO 20(1)	Hub Line 1 Drilling Operation 30	0.16	0.02	0.02
WSO 10(1)	Hub Line 1 Grinding Operation 40	0.16	0.02	0.02
DFO 2-2(3)	Hub Line 2 Lathe Operation 10	0.16	0.02	0.02
DFO 2-2(4)	Hub Line 2 Lathe Operation 20	0.16	0.02	0.02
WSO 20(2)	Hub Line 2 Drilling Operation 30	0.16	0.02	0.02
WSO 10(2)	Hub Line 2 Grinding Operation 40	0.16	0.02	0.02
WSO 20(3)	Hub Line 3 Horizontal Lathe Operation 10	0.15	0.02	0.02
DFO 2-2(5)	Hub Line 3 Vertical Lathe 1 Operation 10	0.15	0.02	0.02
DFO 2-2(6)	Hub Line 3 Vertical Lathe 2 Operation 10	0.15	0.02	0.02
WSO 20(4)	Hub Line 3 Drilling 1 Operation 20	0.30	0.03	0.03
WSO 10(3)	Hub Line 3 Grinding Operation 30	0.19	0.02	0.02
DFO 2-2(7)	Hub Line 4 Lathe 1 Operation 10	0.27	0.03	0.03
DFO 2-2(8)	Hub Line 4 Lathe 2 Operation 10	0.27	0.03	0.03
WSO 20(6)	Hub Line 4 Drilling Operation 20	0.27	0.03	0.03
WSO 10(4)	Hub Line 4 Grinding Operation 30	0.34	0.03	0.03
WSO 20(7)	Drum/Rotor Line 1 Drilling Operation 30	0.56	0.06	0.06
WSO 20(8)	Drum/Rotor Line 2 Drilling Operation 30	0.56	0.06	0.06
WSO 20(9)	Drum/Rotor Line 3 Drilling Operation 30	0.56	0.06	0.06
WSO 20(10)	Drum/Rotor Line 4 Drilling Operation 30	0.56	0.06	0.06
DFO 2-2(9a)	Drum/Rotor Line 1 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(9b)	Drum/Rotor Line 1 Machining Operation 20	0.28	0.03	0.03
DFO 2-2(10a)	Drum/Rotor Line 2 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(10b)	Drum/Rotor Line 2 Machining Operation 20	0.28	0.03	0.03
DFO 2-2(11a)	Drum/Rotor Line 3 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(11b)	Drum/Rotor Line 3 Machining Operation 20	0.28	0.03	0.03
DFO 2-2(12a)	Drum/Rotor Line 4 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(12b)	Drum/Rotor Line 4 Machining Operation 20	0.28	0.03	0.03
WSO 20(5)	Miscellaneous Drilling 1 Operation 20	0.56	0.06	0.06
WSO 20(11)	Miscellaneous Drilling 2 Operation 20	0.56	0.06	0.06
WSO 20(12)	Miscellaneous Drilling 3 Operation 20	0.56	0.06	0.06
WSO 20(13)	Miscellaneous Drilling 4 Operation 20	0.56	0.06	0.06
WSO 10(5)	Miscellaneous Grinding 1 Operation 10	0.34	0.03	0.03
WSO 10(6)	Miscellaneous Grinding 2 Operation 10	0.34	0.03	0.03

Compliance with the above PM10 and PM2.5 limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to

emit of PM10 and PM2.5 to less than 100 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

Compliance with the PM limits in the table above, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) emissions from each of the following emission units shall not exceed the pounds per hour limits specified in the table below when operating at the specified maximum process weight:

Emission Unit	Dust Collector IDs	Process Weight Rate* (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
Hub High Volume Line 1	DFO 2-2(1), DFO 2-2(2), WSO 20(1), WSO 10(1)	1,587	0.79	3.51
Hub High Volume Line 2	DFO 2-2(3), DFO 2-2(4), WSO 20(2), WSO 10(2)	1,587	0.79	3.51
Hub High Volume Line 3	WSO 20(3) DFO 2-2(5), DFO 2-2(6), WSO 20(4), WSO 10(3)	2,976	1.49	5.35
Hub High Volume Line 4	DFO 2-2(7), DFO 2-2(8), WSO 20(6), WSO 10(4)	1,488	0.74	3.36
Drum/Rotor Machining and Drilling Line 1	WSO 20(7), DFO 2-2(9a), DFO 2-2(9b)	5,500	2.75	8.07
Drum/Rotor Machining and Drilling Line 2	WSO 20(8), DFO 2-2(10a), DFO 2-2(10b)	5,500	2.75	8.07
Drum/Rotor Machining and Drilling Line 3	WSO 20(9), DFO 2-2(11a), DFO 2-2(11b)	5,500	2.75	8.07
Drum/Rotor Machining and Drilling Line 4	WSO 20(10), DFO 2-2(12a), DFO 2-2(12b)	5,500	2.75	8.07
Miscellaneous Drilling 1 Operation 20	WSO 20(5)	5,500	2.75	8.07
Miscellaneous Drilling 2 Operation 20	WSO 20(11)	5,500	2.75	8.07
Miscellaneous Drilling 3 Operation 20	WSO 20(12)	5,500	2.75	8.07
Miscellaneous Drilling 4 Operation 20	WSO 20(13)	5,500	2.75	8.07
Miscellaneous Grinding 1 Operation 10	WSO 10(5)	3,300	1.65	5.73
Miscellaneous Grinding 2 Operation 10	WSO 10(6)	3,300	1.65	5.73

The process weight rates were determined as follows:

Hub High Volume Line 1 = (25.6 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 2 = (25.6 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 3 = (48 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 4 = (24 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 1 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 2 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 3 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 4 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Miscellaneous Drilling = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Miscellaneous Grinding = (30 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)

Emission limitations for process weight rates up to sixty thousand pounds per hour were calculated with the following equation:

$$E\ (lb/hr) = 4.10\ P^{0.67}$$

Where: E = Rate of emission in pounds per hour
P = Process Weight Rate in tons per hour

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan is required for these units 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.1.4 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, each of the dust collectors associated with the emission units listed in the table below shall be in operation and control particulate emissions from the respective emission units at all times that the emission units are in operation:

Dust Collector ID	Emission Unit
DFO 2-2(1)	Hub Line 1 Lathe Operation 10
DFO 2-2(2)	Hub Line 1 Lathe Operation 20
WSO 20(1)	Hub Line 1 Drilling Operation 30
WSO 10(1)	Hub Line 1 Grinding Operation 40
DFO 2-2(3)	Hub Line 2 Lathe Operation 10
DFO 2-2(4)	Hub Line 2 Lathe Operation 20
WSO 20(2)	Hub Line 2 Drilling Operation 30
WSO 10(2)	Hub Line 2 Grinding Operation 40
WSO 20(3)	Hub Line 3 Horizontal Lathe Operation 10
DFO 2-2(5)	Hub Line 3 Vertical Lathe 1 Operation 10
DFO 2-2(6)	Hub Line 3 Vertical Lathe 2 Operation 10
WSO 20(4)	Hub Line 3 Drilling 1 Operation 20
WSO 10(3)	Hub Line 3 Grinding Operation 30
DFO 2-2(7)	Hub Line 4 Lathe 1 Operation 10
DFO 2-2(8)	Hub Line 4 Lathe 2 Operation 10
WSO 20(6)	Hub Line 4 Drilling Operation 20
WSO 10(4)	Hub Line 4 Grinding Operation 30
WSO 20(7)	Drum/Rotor Line 1 Drilling Operation 30
WSO 20(8)	Drum/Rotor Line 2 Drilling Operation 30
WSO 20(9)	Drum/Rotor Line 3 Drilling Operation 30
WSO 20(10)	Drum/Rotor Line 4 Drilling Operation 30
DFO 2-2(9a)	Drum/Rotor Line 1 Machining Operation 10
DFO 2-2(9b)	Drum/Rotor Line 1 Machining Operation 20

Dust Collector ID	Emission Unit
DFO 2-2(10a)	Drum/Rotor Line 2 Machining Operation 10
DFO 2-2(10b)	Drum/Rotor Line 2 Machining Operation 20
DFO 2-2(11a)	Drum/Rotor Line 3 Machining Operation 10
DFO 2-2(11b)	Drum/Rotor Line 3 Machining Operation 20
DFO 2-2(12a)	Drum/Rotor Line 4 Machining Operation 10
DFO 2-2(12b)	Drum/Rotor Line 4 Machining Operation 20
WSO 20(5)	Miscellaneous Drilling 1 Operation 20
WSO 20(11)	Miscellaneous Drilling 2 Operation 20
WSO 20(12)	Miscellaneous Drilling 3 Operation 20
WSO 20(13)	Miscellaneous Drilling 4 Operation 20
WSO 10(5)	Miscellaneous Grinding 1 Operation 10
WSO 10(6)	Miscellaneous Grinding 2 Operation 10

In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

D.1.5 Baghouse Inspections

The Permittee shall perform semi-annual inspections of the dust collectors controlling particulate from each emission unit listed in the table under Condition D.1.4 to verify that they are being operated and maintained in accordance with the manufacturer's specifications. All defective bags shall be replaced.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.6 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.5, the Permittee shall maintain records of semi-annual inspections required under Condition D.1.5.

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

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Hub High Volume Inline, identified as Complete Machining Center, with a maximum capacity of 99.2 wheel parts per hour, total, and 250 gallons per month of coolant solvent, consisting of a total of three (3) lines with the following equipment:

(5) One Hub parts washer which is an open top vapor degreaser, identified as HS13, equipped with a natural gas-fired burner, identified as HS12, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(b) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center, constructed in 2004, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(3) One (1) drum parts washer which is an open top vapor degreaser, identified as HS15, equipped with a natural gas-fired burner, identified as HS14, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons 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 2-8-4(1)]

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

Pursuant to 326 IAC 8-3-3(a), the Permittee shall ensure the following control equipment and operating requirements are met for the open top vapor degreasers identified as HS13 and HS15:

(1) Equip the vapor degreaser with a cover that can be opened and closed easily without disturbing the vapor zone.

(2) Keep the cover closed at all times except when processing workloads through the degreaser.

(3) Minimize solvent carryout by:

(A) racking parts to allow complete drainage;

(B) moving parts in and out of the degreaser at less than three and three-tenths (3.3) meters per minute (eleven (11) feet per minute);

(C) degreasing the workload in the vapor zone at least thirty (30) seconds or until condensation ceases;

(D) tipping out any pools of solvent on the cleaned parts before removal; and

(E) allowing parts to dry within the degreaser for at least fifteen (15) seconds or until visually dry.

(4) Prohibit the entrance into the degreaser of porous or absorbent materials, such as cloth, leather, wood, or rope.

(5) Prohibit occupation of more than one-half (1/2) of the degreaser's open top area with the workload.

(6) Prohibit the loading of the degreaser in a manner that causes the vapor level to drop more than fifty percent (50%) of the vapor depth when the workload is removed.

(7) Prohibit solvent spraying above the vapor level.

(8) Repair solvent leaks immediately, or shut down the degreaser if leaks cannot be repaired immediately.

(9) Store waste solvent only in closed containers.

(10) Prohibit the disposal or transfer of waste solvent in a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(11) Prohibit the use of workplace fans near the degreaser opening.

(12) Prohibit visually detectable water in the solvent exiting the water separator.

(13) Provide the degreaser with a permanent, conspicuous label that lists the operating requirements in subdivisions (2) through (12).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(j) One (1) Drum Painting Area, identified as Drum Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

(1) One (1) automatic spray paint system, constructed in 2004, identified as DS11, with a maximum capacity to surface coat 100 wheel parts per hour using 0.02 gallons per wheel, equipped with a dry filter overspray recovery system for particulate control, exhausting to stack DS11.

(k) One (1) Hub painting area, identified as Hub Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

(1) One (1) powder coat paint system, constructed in 2004, including two (2) powder booths, identified as Norson powder booth white and Norson powder booth black, respectively, each with a maximum capacity to powder coat 100 wheel parts per hour using 0.06 gallons per wheel, equipped with a dry filter overspray recovery system for particulate control, exhausting inside the building.

(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 2-8-4(1)]

D.3.1 Particulate [326 IAC 6-3-2]

(a) Pursuant to 326 IAC 6-3-2(d), the surface coating spray booth, DS11, 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) Pursuant to 326 IAC 6-3-2, particulate matter (PM) from the powder coat paint system shall not exceed the following pounds per hour limit when operating at the maximum process weight in tons per hour listed in the table below:

Emission Unit	Control Device	Process Weight Rate* (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
Powder Coat Paint System	Dry Filter	12,400	6.20	13.92

The process weight rate was determined as follows:

Powder Coat Paint System (lbs/hr) = 100 wheel parts per hour per booth * 2 booths * 62 pounds per wheel part = 12,4000 lbs/hr

Emission limitations for process weight rates up to sixty thousand pounds per hour were calculated with the following equation:

$$E \text{ (lb/hr)} = 4.10\ P^{0.67}$$

Emission limitations for process weight rates greater than sixty thousand pounds per hour were calculated with the following equation:

$$E \text{ (lb/hr)} = 55.0\ P^{0.11} - 40$$

Where: E = Rate of emission in pounds per hour
P = Process Weight Rate in tons per hour

Compliance Determination Requirements

D.3.2 Particulate

In order to assure compliance with Condition D.3.1, the surface coating spray booth (DS11) 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 at all times that this surface coating spray booth is in operation.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Hub High Volume Inline, identified as Complete Machining Center, with a maximum capacity of 99.2 wheel parts per hour, total, and 250 gallons per month of coolant solvent, consisting of a total of three (3) lines with the following equipment:

(5) One Hub parts washer which is an open top vapor degreaser, identified as HS13, equipped with a natural gas-fired burner, identified as HS12, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(b) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center, constructed in 2004, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(3) One (1) drum parts washer which is an open top vapor degreaser, identified as HS15, equipped with a natural gas-fired burner, identified as HS14, with a maximum heat input capacity of 0.50 million British thermal units per hour, with a maximum throughput of 300 gallons per year of VOC solvent. The VOC solvent is captured and re-used at a rate of approximately 2 gallons per hour.

(l) One (1) indirect-fired natural gas-fired IR gel oven, identified as HS6, constructed in 2004, with a maximum heat input capacity of 1.44 million British thermal units per hour, uncontrolled and exhausting indoors.

(m) One (1) indirect-fired natural gas-fired convection cure oven, identified as HS7, constructed in 2004, with a maximum heat input capacity of 0.800 million British thermal units per hour, uncontrolled and exhausting indoors.

(n) One (1) indirect-fired natural gas-fired preheat oven, identified as DS10, constructed in 2004, with a maximum heat input capacity of 0.500 million British thermal units per hour.

Insignificant Activities:

(a) One (1) indirect-fired natural gas-fired air make up unit, identified as HS16, constructed in 2004, with a maximum heat input capacity of 3.207 million British thermal units per hour, uncontrolled and exhausting indoors.

(b) One (1) indirect-fired natural gas-fired air make up unit, identified as HS17, constructed in 2004, with a maximum heat input capacity of 3.207 million British thermal units per hour, uncontrolled and exhausting indoors.

(c) Two (2) indirect-fired natural gas-fired office heaters, identified as HST18 and HST19, respectively, each constructed in 2004, each with a maximum heat input capacity of 0.100 million British thermal units per hour, each uncontrolled and exhausting indoors.

(d) Two (2) indirect-fired natural gas-fired office heaters, identified as HST20 and HST21, respectively, each constructed in 2004, each with a maximum heat input capacity of 0.180 million British thermal units per hour, each uncontrolled and exhausting indoors.

(e) One (1) indirect-fired natural gas-fired office heater, identified as HST22, constructed in 2004, with a maximum heat input capacity of 0.160 million British thermal units per hour, uncontrolled and exhausting indoors.

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

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.4.1 Particulate [326 IAC 6-2]

Pursuant to 326 IAC 6-2-4, particulate emissions from the indirect-fired, natural gas-fired units, identified as HS6, HS7, DS10, HS12, HS14, HS16, HS17, HS18, HS19, HS20, HS21, and HS22, shall not exceed 0.586 lb/MMBtu heat input.

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Webb Wheel Products, Inc.
Source Address: 9840 West State Road 66, Tell City, Indiana 47586
FESOP Permit No.: F123-35067-00024

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)_____

☐ Report (specify)_____

☐ Notification (specify)_____

☐ Affidavit (specify)_____

☐ Other (specify)_____

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

Signature:

Printed Name:

Title/Position:

Date:

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Webb Wheel Products, Inc.
Source Address: 9840 West State Road 66, Tell City, Indiana 47586
FESOP Permit No.: F123-35067-00024

This form consists of 2 pages **Page 1 of 2**

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

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Webb Wheel Products, Inc.
Source Address: 9840 West State Road 66, Tell City, Indiana 47586
FESOP Permit No.: F123-35067-00024

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

□ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

□ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

Source Description and Location

Source Name:	**Webb Wheel Products, Inc.**
Source Location:	**9840 West State Road 66, Tell City, Indiana 47586**
County:	**Perry**
SIC Code:	**3714 (Motor Vehicle Parts and Accessories)**
Operation Permit No.:	**F123-35067-00024**
Operation Permit Issuance Date:	**February 16, 2015**
Significant Permit Revision No.:	**123-35959-00024**
Permit Reviewer:	**Jenny Liljegren/Adam Wheat**

On June 16, 2015, the Office of Air Quality (OAQ) received an application from Webb Wheel Products, Inc. related to a modification to an existing stationary truck hub, brake drum, and rotor painting and machining source.

Existing Approvals

The source was issued FESOP No. F123-35067-00024 on February 16, 2015. There have been no subsequent approvals issued.

County Attainment Status

The source is located in Perry County.

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

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

(a) Ozone Standards

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

(b) $PM_{2.5}$

Perry County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

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

Fugitive Emissions

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

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 F123-35067-00024, issued on February 16, 2015.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10*	PM2.5*	SO_2	NOx	VOC	CO	Total HAPs	Highest Single HAP
Hub and Drum Machining	43.45	4.47	4.47	–	–	–	–	–	–
Surface Coating	48.26	48.26	48.26	–	–	0.16	–	–	–
Degreasing	–	–	–	–	–	3.96	–	–	–
Combustion	0.09	0.37	0.37	0.03	4.88	0.27	4.10	0.09	0.09
Total PTE of Entire Source	**91.81**	**53.10**	**53.10**	**0.03**	**4.88**	**4.39**	**4.10**	**0.09**	**0.09**
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	–	NA

*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".

(a) This existing source is not a major stationary source under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

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

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

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

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Webb Wheel Products, Inc. on June 16, 2015, requesting to change the name of "MTC500 Cell" to "Hub High Volume Line 4" and "Hub High Volume Line 3 Drilling 2 Operation 20" to "Miscellaneous Drilling 1 Operation 20" and construct and operate two (2) new lines identified as Drum/Rotor Machining Line 3 and Drum/Rotor Machining Line 4, respectively, three (3) new miscellaneous drilling operations, and two (2) new miscellaneous grinding operations.

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

(a) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center 2, approved in 2015 for construction, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 3, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(9).

(2) Drum/Rotor Machining Line 4, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(10).

(b) One (1) drilling operation, identified as Miscellaneous Drilling 2 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(11).

(c) One (1) drilling operation, identified as Miscellaneous Drilling 3 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(12).

(d) One (1) drilling operation, identified as Miscellaneous Drilling 4 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(13).

(e) One (1) grinding operation, identified as Miscellaneous Grinding 1 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(5).

(f) One (1) grinding operation, identified as Miscellaneous Grinding 2 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(6).

The following is a list of the existing emission units that are being renamed:

(a) Hub High Volume Line 4, constructed in 2008 and modified in 2012, with a total maximum capacity of 24 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

(A) Two (2) vertical lathes, identified as Operation 10, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collectors DFO 2-2(7) and DFO 2-2(8), respectively.

(B) One (1) drilling operation, identified as Operation 20, with a maximum capacity of 24 Hub parts per hour, exhausting inside the building to dust collector WSO 20(6).

(C) One (1) grinding operation, identified as Operation 30, with a maximum capacity of 30 Hub parts per hour, exhausting inside the building to dust collector WSO 10(4).

(This is the line that is being renamed from "MTC 500 Cell" to "Hub High Volume Line 4")

(b) One (1) drilling operation, identified as Miscellaneous Drilling 1 Operation 20, constructed in 2008 and modified in 2012, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(5).

(This is the unit that is being renamed from "Hub High Volume Line 3 Drilling 2 Operation 20" to " Miscellaneous Drilling 1 Operation 20")

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 – FESOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8-11.1 (Permit Revisions). This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Highest Single HAP
Drum/Rotor Line 3 Drilling Operation 30	204.77	20.48	20.48	–	–	–	–	–	–
Drum/Rotor Line 4 Drilling Operation 30	204.77	20.48	20.48	–	–	–	–	–	–
Drum/Rotor Line 3 Machining Operation 10	102.38	10.24	10.24	–	–	–	–	–	–
Drum/Rotor Line 3 Machining Operation 20	102.38	10.24	10.24	–	–	–	–	–	–
Drum/Rotor Line 4 Machining Operation 10	102.38	10.24	10.24	–	–	–	–	–	–
Drum/Rotor Line 4 Machining Operation 20	102.38	10.24	10.24	–	–	–	–	–	–
Miscellaneous Drilling 2 Operation 20	204.77	20.48	20.48	–	–	–	–	–	–
Miscellaneous Drilling 3 Operation 20	204.77	20.48	20.48	–	–	–	–	–	–
Miscellaneous Drilling 4 Operation 20	204.77	20.48	20.48	–	–	–	–	–	–
Miscellaneous Grinding 1 Operation 10	122.86	12.29	12.29	–	–	–	–	–	–
Miscellaneous Grinding 2 Operation 10	122.86	12.29	12.29	–	–	–	–	–	–
Total PTE of Proposed Revision	**1679.07**	**167.91**	**167.91**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

(a) Pursuant to 326 IAC 2-8-11.1(f)(1)(E), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves the construction of new emission units with potential to emit greater than or equal to twenty-five (25) tons per year of PM, PM10, and direct PM2.5.

(b) Pursuant to 326 IAC 2-8-11.1(f), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves adding and adjusting FESOP and PSD minor limits.

PTE of the Entire Source After Issuance of the FESOP Revision

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

	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
Process/ Emission Unit	PM	PM10*	PM2.5*	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Hub and Drum Machining	~~43.45~~ **47.17**	~~4.47~~ **5.12**	~~4.47~~ **5.12**	–	–	–	–	–	–
Surface Coating	48.26	48.26	48.26	–	–	0.16	–	–	–
Degreasing	–	–	–	–	–	3.96	–	–	–
Combustion	0.09	0.37	0.37	0.03	4.88	0.27	4.10	0.09	0.09
Total PTE of Entire Source	~~91.81~~ **95.53**	~~53.10~~ **53.76**	~~53.10~~ **53.76**	0.03	4.88	4.39	4.10	0.09	0.09
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	–	NA
*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 table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted).

	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
Process/ Emission Unit	PM	PM10*	PM2.5*	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Hub and Drum Machining	47.17	5.12	5.12	–	–	–	–	–	–
Surface Coating	48.26	48.26	48.26	–	–	0.16	–	–	–
Degreasing	–	–	–	–	–	3.96	–	–	–
Combustion	0.09	0.37	0.37	0.03	4.88	0.27	4.10	0.09	0.09
Total PTE of Entire Source	95.53	53.76	53.76	0.03	4.88	4.39	4.10	0.09	0.09
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	–	NA
*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".									

(a) FESOP and PSD Minor Status

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants and HAPs from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP) and render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-7 (Part 70 Permit Program) not applicable, each of the following emission units shall not exceed the associated emission limits specified in the table below:

Dust Collector ID	Emission Unit	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)	PM2.5 Limit (lbs/hr)
DFO 2-2(1)	Hub Line 1 Lathe Operation 10	0.16	0.02	0.02
DFO 2-2(2)	Hub Line 1 Lathe Operation 20	0.16	0.02	0.02
WSO 20(1)	Hub Line 1 Drilling Operation 30	0.16	0.02	0.02
WSO 10(1)	Hub Line 1 Grinding Operation 40	0.16	0.02	0.02
DFO 2-2(3)	Hub Line 2 Lathe Operation 10	0.16	0.02	0.02
DFO 2-2(4)	Hub Line 2 Lathe Operation 20	0.16	0.02	0.02
WSO 20(2)	Hub Line 2 Drilling Operation 30	0.16	0.02	0.02
WSO 10(2)	Hub Line 2 Grinding Operation 40	0.16	0.02	0.02
WSO 20(3)	Hub Line 3 Horizontal Lathe Operation 10	0.15	0.02	0.02
DFO 2-2(5)	Hub Line 3 Vertical Lathe 1 Operation 10	0.15	0.02	0.02
DFO 2-2(6)	Hub Line 3 Vertical Lathe 2 Operation 10	0.15	0.02	0.02
WSO 20(4)	Hub Line 3 Drilling 1 Operation 20	0.30	0.03	0.03
WSO 10(3)	Hub Line 3 Grinding Operation 30	0.19	0.02	0.02
DFO 2-2(7)	Hub Line 4 Lathe 1 Operation 10	0.27	0.03	0.03
DFO 2-2(8)	Hub Line 4 Lathe 2 Operation 10	0.27	0.03	0.03
WSO 20(6)	Hub Line 4 Drilling Operation 20	0.27	0.03	0.03
WSO 10(4)	Hub Line 4 Grinding Operation 30	0.34	0.03	0.03
WSO 20(7)	Drum/Rotor Line 1 Drilling Operation 30	0.56	0.06	0.06
WSO 20(8)	Drum/Rotor Line 2 Drilling Operation 30	0.56	0.06	0.06
WSO 20(9)	Drum/Rotor Line 3 Drilling Operation 30	0.56	0.06	0.06
WSO 20(10)	Drum/Rotor Line 4 Drilling Operation 30	0.56	0.06	0.06
DFO 2-2(9a)	Drum/Rotor Line 1 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(9b)	Drum/Rotor Line 1 Machining Operation 20	0.28	0.03	0.03
DFO 2-2(10a)	Drum/Rotor Line 2 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(10b)	Drum/Rotor Line 2 Machining Operation 20	0.28	0.03	0.03
DFO 2-2(11a)	Drum/Rotor Line 3 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(11b)	Drum/Rotor Line 3 Machining Operation 20	0.28	0.03	0.03
DFO 2-2(12a)	Drum/Rotor Line 4 Machining Operation 10	0.28	0.03	0.03
DFO 2-2(12b)	Drum/Rotor Line 4 Machining Operation 20	0.28	0.03	0.03
WSO 20(5)	Miscellaneous Drilling 1 Operation 20	0.56	0.06	0.06
WSO 20(11)	Miscellaneous Drilling 2 Operation 20	0.56	0.06	0.06
WSO 20(12)	Miscellaneous Drilling 3 Operation 20	0.56	0.06	0.06
WSO 20(13)	Miscellaneous Drilling 4 Operation 20	0.56	0.06	0.06
WSO 10(5)	Miscellaneous Grinding 1 Operation 10	0.34	0.03	0.03
WSO 10(6)	Miscellaneous Grinding 2 Operation 10	0.34	0.03	0.03

Compliance with the PM10 and PM2.5 limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per 12 consecutive month period, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

Compliance with the PM limits in the table above, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

(a) The requirements of the New Source Performance Standard (NSPS) for Ferroalloy Production Facilities, 40 CFR 60, Subpart Z (326 IAC 12), are not included in this proposed revision, since this source does not have electric submerged arc furnaces which produce silicon metal, ferrosilicon, calcium silicon, silicomanganese zirconium, ferrochrome silicon, silvery iron, high-carbon ferrochrome, charge chrome, standard ferromanganese, silicomanganese, ferromanganese silicon, or calcium carbide; and dust-handling equipment.

(b) The requirements of the New Source Performance Standard (NSPS) for Metallic Mineral Processing Plants, 40 CFR 60, Subpart LL (326 IAC 12), are not included this proposed revision, since this source is not a metallic mineral processing plant as defined in §60.381.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP)

(a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Nine Metal Fabrication and Finishing Source Categories, 40 CFR 63, Subpart XXXXXX, are not included in this proposed revision, since although this source is an area source of HAPs as defined in §63.2, this source is not primarily engaged in operations which are classified in one of the nine source categories listed in this NESHAP.

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

Compliance Assurance Monitoring (CAM)

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 Determination

(a) 326 IAC 2-8-4 (FESOP)
This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

(b) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

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

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

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

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

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

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

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

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

<u>Hub and Drum/Rotor Machining</u>

(a) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), the requirements of 326 IAC 6-3-2 are applicable to each of the new hub and drum/rotor machining operations, since each of these operations has potential particulate emissions greater than five hundred fifty-one thousandths (0.551) pound per hour. Pursuant to 326 IAC 6-3-2, the particulate matter (PM) emissions from each of the following emission units shall not exceed the pounds per hour limits specified in the table below when operating at the specified maximum process weight:

Emission Unit	Dust Collector IDs	Process Weight Rate* (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
Drum/Rotor Machining and Drilling Line 3	WSO 20(9), DFO 2-2(11a), DFO 2-2(11b)	5500	2.75	8.07
Drum/Rotor Machining and Drilling Line 4	WSO 20(10), DFO 2-2(12a), DFO 2-2(12b)	5500	2.75	8.07
Miscellaneous Drilling 2 Operation 20	WSO 20(11)	5500	2.75	8.07
Miscellaneous Drilling 3 Operation 20	WSO 20(12)	5500	2.75	8.07

Emission Unit	Dust Collector IDs	Process Weight Rate* (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
Miscellaneous Drilling 4 Operation 20	WSO 20(13)	5500	2.75	8.07
Miscellaneous Grinding 1 Operation 10	WSO 10(5)	3300	1.65	5.73
Miscellaneous Grinding 2 Operation 10	WSO 10(6)	3300	1.65	5.73

*See Appendix A for how the process weight rates are determined.

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

The dust collectors shall be in operation at all times the hub and drum/rotor machining operations are in operation, in order to comply with these limits.

Compliance Determination, Monitoring and Testing Requirements

The compliance determination and monitoring requirements applicable to this proposed revision are as follows:

(a) The baghouses for particulate control shall be in operation and control emissions from the emission units at all times that the emission units are in operation as listed in the table below:

Dust Collector ID	Emission Unit
WSO 20(9)	Drum/Rotor Line 3 Drilling Operation 30
WSO 20(10)	Drum/Rotor Line 4 Drilling Operation 30
DFO 2-2(11a)	Drum/Rotor Line 3 Machining Operation 10
DFO 2-2(11b)	Drum/Rotor Line 3 Machining Operation 20
DFO 2-2(12a)	Drum/Rotor Line 4 Machining Operation 10
DFO 2-2(12b)	Drum/Rotor Line 4 Machining Operation 20
WSO 20(11)	Miscellaneous Drilling 2 Operation 20
WSO 20(12)	Miscellaneous Drilling 3 Operation 20
WSO 20(13)	Miscellaneous Drilling 4 Operation 20
WSO 10(5)	Miscellaneous Grinding 1 Operation 10
WSO 10(6)	Miscellaneous Grinding 2 Operation 10

In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(b) Baghouse Inspections
The Permittee shall perform semi-annual inspections of the baghouses controlling particulate from each emission unit listed in the table above to verify that they are being operated and maintained in accordance with the manufacturer's specifications. All defective bags shall be replaced.

Proposed Changes

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

Revision 1: "MTC 500 Cell" was renamed as "Hub High Volume Line 4"

Revision 2: "Hub High Volume Line 3 Drilling 2 Operation 20" was removed from Hub High Volume Line 3 and renamed as "Miscellaneous Drilling 1 Operation 20"

Revision 3: New emission units, Drum/Rotor Machining Line 3, Drum/Rotor Machining Line 4, Miscellaneous Drilling 2 Operation 20, Miscellaneous Drilling 3 Operation 20, Miscellaneous Drilling 4 Operation 20, Miscellaneous Grinding 1 Operation 10, and Miscellaneous Grinding 2 Operation 10 were added to the permit.

Revision 4: Section D.1 was revised to include the new emission units. The limits for PSD and 326 IAC 6-3-2 in Conditions D.1.1 and D.1.2, respectively, were updated to include the new emission units. Condition D.1.4 was updated to include the compliance determination requirements for the new emission units.

Revision 5: The existing emission units in Sections D.3 and D.4 were re-lettered.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

(a) One (1) Hub High Volume Inline, identified as Complete Machining Center, with a maximum capacity of 99.2 wheel parts per hour, total, and 250 gallons per month of coolant solvent, consisting of a total of three (3) lines with the following equipment:

***

(3) Hub High Volume Line 3, constructed in 2008 and modified in 2012, with a total maximum capacity of 48 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

***

(C) ~~Two (2~~**One (1**) drilling operation~~s~~, identified as Operation 20, with a maximum capacity of 48 Hub parts per hour, exhausting inside the building to dust collector~~s~~ WSO 20(4)~~ and WSO 20(5), respectively~~.

***

(4) ~~MTC 500 Cell~~**Hub High Volume Line 4**, constructed in 2008 and modified in 2012, with a total maximum capacity of 24 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

***

(c) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center 2, approved in 2015 for construction, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 3, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(9).

(2) Drum/Rotor Machining Line 4, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(10).

(d) One (1) drilling operation, identified as Miscellaneous Drilling 1 Operation 20, constructed in 2008 and modified in 2012, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(5).

(e) One (1) drilling operation, identified as Miscellaneous Drilling 2 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(11).

(f) One (1) drilling operation, identified as Miscellaneous Drilling 3 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(12).

(g) One (1) drilling operation, identified as Miscellaneous Drilling 4 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(13).

(h) One (1) grinding operation, identified as Miscellaneous Grinding 1 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(5).

(i) One (1) grinding operation, identified as Miscellaneous Grinding 2 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour,

with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(6).

(~~c~~**j**) One (1) Drum Painting Area, identified as Drum Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

***

(~~d~~**k**) One (1) Hub painting area, identified as Hub Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

***

(~~e~~**l**) One (1) indirect-fired natural gas-fired IR gel oven, identified as HS6, constructed in 2004, with a maximum heat input capacity of 1.44 million British thermal units per hour, uncontrolled and exhausting indoors.

(~~f~~**m**) One (1) indirect-fired natural gas-fired convection cure oven, identified as HS7, constructed in 2004, with a maximum heat input capacity of 0.800 million British thermal units per hour, uncontrolled and exhausting indoors.

(~~g~~**n**) One (1) indirect-fired natural gas-fired preheat oven, identified as DS10, constructed in 2004, with a maximum heat input capacity of 0.500 million British thermal units per hour.

***

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Hub High Volume Inline, identified as Complete Machining Center, with a maximum capacity of 99.2 wheel parts per hour, total, and 250 gallons per month of coolant solvent, consisting of a total of three (3) lines with the following equipment:

***

(3) Hub High Volume Line 3, constructed in 2008 and modified in 2012, with a total maximum capacity of 48 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:

***

(C) ~~Two (2~~**One (1**) drilling operation~~s~~, identified as Operation 20, with a maximum capacity of 48 Hub parts per hour, exhausting inside the building to dust collector~~s~~ WSO 20(4)~~ and WSO 20(5), respectively~~.
***

(4) ~~MTC 500 Cell~~**Hub High Volume Line 4**, constructed in 2008 and modified in 2012, with a total maximum capacity of 24 Hub parts per hour, with each part weighing a total of 62.0 pounds, consisting of:
***

(c) One (1) Drum/Rotor Machining Line, identified as Drum/Rotor Machining Center 2, approved in 2015 for construction, with a total maximum capacity of 100 drum wheel parts per hour, consisting of a total of two (2) lines with the following equipment:

(1) Drum/Rotor Machining Line 3, with a total maximum capacity of 50 Hub wheel parts

per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(11b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(9).

(2) Drum/Rotor Machining Line 4, with a total maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, consisting of:

(A) One (1) machining operation, identified as Operation 10, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12a).

(B) One (1) machining operation, identified as Operation 20, with a maximum capacity of 25 Hub wheel parts per hour, exhausting inside the building to dust collector DFO 2-2(12b).

(C) One (1) drilling operation, identified as Operation 30, with a maximum capacity of 50 Hub wheel parts per hour, exhausting inside the building to dust collector WSO 20(10).

(d) One (1) drilling operation, identified as Miscellaneous Drilling 1 Operation 20, constructed in 2008 and modified in 2012, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(5).

(e) One (1) drilling operation, identified as Miscellaneous Drilling 2 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(11).

(f) One (1) drilling operation, identified as Miscellaneous Drilling 3 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(12).

(g) One (1) drilling operation, identified as Miscellaneous Drilling 4 Operation 20, approved in 2015 for construction, with a maximum capacity of 50 Hub wheel parts per hour, with each part weighing 110 pounds, exhausting inside the building to dust collector WSO 20(13).

(h) One (1) grinding operation, identified as Miscellaneous Grinding 1 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(5).

(i) One (1) grinding operation, identified as Miscellaneous Grinding 2 Operation 10, approved in 2015 for construction, with a maximum capacity of 30 parts per hour, with each part weighing 62 pounds, exhausting inside the building to dust collector WSO 10(6).

***

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Limitations [326 IAC 2-2] [326 IAC 2-8-4]

In order to comply with the requirements of 326 IAC 2-8-4 (FESOP) and render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-7 (Part 70 Permit Program) not applicable, each of the following emission units shall not exceed the associated emission limits specified in the table below:

Dust Collector ID	Emission Unit	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)	PM2.5 Limit (lbs/hr)
DFO 2-2(1)	Hub Line 1 Lathe Operation 10	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
DFO 2-2(2)	Hub Line 1 Lathe Operation 20	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
WSO 20(1)	Hub Line 1 Drilling Operation 30	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
WSO 10(1)	Hub Line 1 Grinding Operation 40	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
DFO 2-2(3)	Hub Line 2 Lathe Operation 10	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
DFO 2-2(4)	Hub Line 2 Lathe Operation 20	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
WSO 20(2)	Hub Line 2 Drilling Operation 30	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
WSO 10(2)	Hub Line 2 Grinding Operation 40	~~0.27~~ **0.16**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
WSO 20(3)	Hub Line 3 Horizontal Lathe Operation 10	~~0.25~~ **0.15**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
DFO 2-2(5)	Hub Line 3 Vertical Lathe 1 Operation 10	~~0.25~~ **0.15**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
DFO 2-2(6)	Hub Line 3 Vertical Lathe 2 Operation 10	~~0.25~~ **0.15**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
WSO 20(4)	Hub Line 3 Drilling 1 Operation 20	~~0.51~~ **0.30**	~~0.05~~ **0.03**	~~0.05~~ **0.03**
~~WSO 20(5)~~	~~Hub Line 3 Drilling 2 Operation 20~~	~~0.51~~	~~0.05~~	~~0.05~~
WSO 10(3)	Hub Line 3 Grinding Operation 30	~~0.32~~ **0.19**	~~0.03~~ **0.02**	~~0.03~~ **0.02**
DFO 2-2(7)	~~MTC 500 Cell~~**Hub Line 4** Lathe 1 Operation 10	~~0.45~~ **0.27**	~~0.04~~ **0.03**	~~0.04~~ **0.03**
DFO 2-2(8)	~~MTC 500 Cell~~**Hub Line 4** Lathe 2 Operation 10	~~0.45~~ **0.27**	~~0.04~~ **0.03**	~~0.04~~ **0.03**
WSO 20(6)	~~MTC 500 Cell~~**Hub Line 4** Drilling Operation 20	~~0.45~~ **0.27**	~~0.04~~ **0.03**	~~0.04~~ **0.03**
WSO 10(4)	~~MTC 500 Cell~~**Hub Line 4** Grinding Operation 30	~~0.56~~ **0.34**	~~0.06~~ **0.03**	~~0.06~~ **0.03**
WSO 20(7)	Drum/Rotor Line 1 Drilling Operation 30	~~0.94~~ **0.56**	~~0.09~~ **0.06**	~~0.09~~ **0.06**
WSO 20(8)	Drum/Rotor Line 2 Drilling Operation 30	~~0.94~~ **0.56**	~~0.09~~ **0.06**	~~0.09~~ **0.06**
WSO 20(9)	**Drum/Rotor Line 3 Drilling Operation 30**	**0.56**	**0.06**	**0.06**
WSO 20(10)	**Drum/Rotor Line 4 Drilling Operation 30**	**0.56**	**0.06**	**0.06**
DFO 2-2(9a)	Drum/Rotor Line 1 Machining Operation 10	~~0.47~~ **0.28**	~~0.05~~ **0.03**	~~0.05~~ **0.03**
DFO 2-2(9b)	Drum/Rotor Line 1 Machining Operation 20	~~0.47~~ **0.28**	~~0.05~~ **0.03**	~~0.05~~ **0.03**

Dust Collector ID	Emission Unit	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)	PM2.5 Limit (lbs/hr)
DFO 2-2(10a)	Drum/Rotor Line 2 Machining Operation 10	~~0.47~~ **0.28**	~~0.05~~ **0.03**	~~0.05~~ **0.03**
DFO 2-2(10b)	Drum/Rotor Line 2 Machining Operation 20	~~0.47~~ **0.28**	~~0.05~~ **0.03**	~~0.05~~ **0.03**
DFO 2-2(11a)	**Drum/Rotor Line 3 Machining Operation 10**	**0.28**	**0.03**	**0.03**
DFO 2-2(11b)	**Drum/Rotor Line 3 Machining Operation 20**	**0.28**	**0.03**	**0.03**
DFO 2-2(12a)	**Drum/Rotor Line 4 Machining Operation 10**	**0.28**	**0.03**	**0.03**
DFO 2-2(12b)	**Drum/Rotor Line 4 Machining Operation 20**	**0.28**	**0.03**	**0.03**
WSO 20(5)	**Miscellaneous Drilling 1 Operation 20**	**0.56**	**0.06**	**0.06**
WSO 20(11)	**Miscellaneous Drilling 2 Operation 20**	**0.56**	**0.06**	**0.06**
WSO 20(12)	**Miscellaneous Drilling 3 Operation 20**	**0.56**	**0.06**	**0.06**
WSO 20(13)	**Miscellaneous Drilling 4 Operation 20**	**0.56**	**0.06**	**0.06**
WSO 10(5)	**Miscellaneous Grinding 1 Operation 10**	**0.34**	**0.03**	**0.03**
WSO 10(6)	**Miscellaneous Grinding 2 Operation 10**	**0.34**	**0.03**	**0.03**

***

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) emissions from each of the following emission units shall not exceed the pounds per hour limits specified in the table below when operating at the specified maximum process weight:

Emission Unit	Dust Collector IDs	Process Weight Rate* (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
Hub High Volume Line 1	DFO 2-2(1), DFO 2-2(2), WSO 20(1), WSO 10(1)	1,587	0.79	3.51
Hub High Volume Line 2	DFO 2-2(3), DFO 2-2(4), WSO 20(2), WSO 10(2)	1,587	0.79	3.51
Hub High Volume Line 3	WSO 20(3) DFO 2-2(5), DFO 2-2(6), WSO 20(4), ~~WSO 20(5),~~ WSO 10(3)	2,976	1.49	5.35
~~MTC 500 Cell~~**Hub High Volume Line 4**	DFO 2-2(7), DFO 2-2(8), WSO 20(6), WSO 10(4)	1,488	0.74	3.36
Drum/Rotor Machining and Drilling Line 1	WSO 20(7), ~~WSO 20(8),~~ DFO 2-2(9a), DFO 2-2(9b)	5,500	2.75	8.07
Drum/Rotor Machining and Drilling Line 2	WSO 20(8), DFO 2-2(10a), DFO 2-2(10b)	5,500	2.75	8.07
Drum/Rotor Machining and Drilling Line 3	**WSO 20(9), DFO 2-2(11a), DFO 2-2(11b)**	**5,500**	**2.75**	**8.07**
Drum/Rotor Machining and Drilling Line 4	**WSO 20(10), DFO 2-2(12a), DFO 2-2(12b)**	**5,500**	**2.75**	**8.07**

Emission Unit	Dust Collector IDs	Process Weight Rate* (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
Miscellaneous Drilling 1 Operation 20	**WSO 20(5)**	**5,500**	**2.75**	**8.07**
Miscellaneous Drilling 2 Operation 20	**WSO 20(11)**	**5,500**	**2.75**	**8.07**
Miscellaneous Drilling 3 Operation 20	**WSO 20(12)**	**5,500**	**2.75**	**8.07**
Miscellaneous Drilling 4 Operation 20	**WSO 20(13)**	**5,500**	**2.75**	**8.07**
Miscellaneous Grinding 1 Operation 10	**WSO 10(5)**	**3,300**	**1.65**	**5.73**
Miscellaneous Grinding 2 Operation 10	**WSO 10(6)**	**3,300**	**1.65**	**5.73**

The process weight rates were determined as follows:

Hub High Volume Line 1 = (25.6 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 2 = (25.6 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 3 = (48 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
~~MTC 500 Cell~~**Hub High Volume Line 4** = (24 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 1 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 2 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 3 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 4 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Miscellaneous Drilling = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Miscellaneous Grinding = (30 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)

***

D.1.4 Particulate Control

In order to comply with Condition**s** D.1.1 **and D.1.2**, each of the dust collectors associated with the emission unit~~(s)~~ listed in the table below shall be in operation and control particulate emissions from the respective emission unit~~(s)~~ at all times that the emission unit~~(s)~~ are in operation:

Dust Collector ID	Emission Unit
DFO 2-2(1)	Hub Line 1 Lathe Operation 10
DFO 2-2(2)	Hub Line 1 Lathe Operation 20
WSO 20(1)	Hub Line 1 Drilling Operation 30
WSO 10(1)	Hub Line 1 Grinding Operation 40
DFO 2-2(3)	Hub Line 2 Lathe Operation 10
DFO 2-2(4)	Hub Line 2 Lathe Operation 20
WSO 20(2)	Hub Line 2 Drilling Operation 30
WSO 10(2)	Hub Line 2 Grinding Operation 40
WSO 20(3)	Hub Line 3 Horizontal Lathe Operation 10
DFO 2-2(5)	Hub Line 3 Vertical Lathe 1 Operation 10
DFO 2-2(6)	Hub Line 3 Vertical Lathe 2 Operation 10
WSO 20(4)	Hub Line 3 Drilling 1 Operation 20
~~WSO 20(5)~~	~~Hub Line 3 Drilling 2 Operation 20~~
WSO 10(3)	Hub Line 3 Grinding Operation 30
DFO 2-2(7)	~~MTC 500 Cell~~**Hub Line 4** Lathe 1 Operation 10
DFO 2-2(8)	~~MTC 500 Cell~~**Hub Line 4** Lathe 2 Operation 10
WSO 20(6)	~~MTC 500 Cell~~**Hub Line 4** Drilling Operation 20
WSO 10(4)	~~MTC 500 Cell~~**Hub Line 4** Grinding Operation 30
WSO 20(7)	Drum/Rotor Line 1 Drilling Operation 30
WSO 20(8)	Drum/Rotor Line 2 Drilling Operation 30

Dust Collector ID	Emission Unit
WSO 20(9)	**Drum/Rotor Line 3 Drilling Operation 30**
WSO 20(10)	**Drum/Rotor Line 4 Drilling Operation 30**
DFO 2-2(9a)	Drum/Rotor Line 1 Machining Operation 10
DFO 2-2(9b)	Drum/Rotor Line 1 Machining Operation 20
DFO 2-2(10a)	Drum/Rotor Line 2 Machining Operation 10
DFO 2-2(10b)	Drum/Rotor Line 2 Machining Operation 20
DFO 2-2(11a)	**Drum/Rotor Line 3 Machining Operation 10**
DFO 2-2(11b)	**Drum/Rotor Line 3 Machining Operation 20**
DFO 2-2(12a)	**Drum/Rotor Line 4 Machining Operation 10**
DFO 2-2(12b)	**Drum/Rotor Line 4 Machining Operation 20**
WSO 20(5)	**Miscellaneous Drilling 1 Operation 20**
WSO 20(11)	**Miscellaneous Drilling 2 Operation 20**
WSO 20(12)	**Miscellaneous Drilling 3 Operation 20**
WSO 20(13)	**Miscellaneous Drilling 4 Operation 20**
WSO 10(5)	**Miscellaneous Grinding 1 Operation 10**
WSO 10(6)	**Miscellaneous Grinding 2 Operation 10**

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SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

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(~~c~~**j**) One (1) Drum Painting Area, identified as Drum Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

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(~~d~~**k**) One (1) Hub painting area, identified as Hub Painting, with a maximum capacity of 100 wheel parts per hour, consisting of:

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SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

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(~~e~~**l**) One (1) indirect-fired natural gas-fired IR gel oven, identified as HS6, constructed in 2004, with a maximum heat input capacity of 1.44 million British thermal units per hour, uncontrolled and exhausting indoors.

(~~f~~**m**) One (1) indirect-fired natural gas-fired convection cure oven, identified as HS7, constructed in 2004, with a maximum heat input capacity of 0.800 million British thermal units per hour, uncontrolled and exhausting indoors.

(~~g~~**n**) One (1) indirect-fired natural gas-fired preheat oven, identified as DS10, constructed in 2004, with a maximum heat input capacity of 0.500 million British thermal units per hour.

***

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 June 16, 2015.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 123-35959-00024. The staff recommends to the Commissioner that this FESOP Significant Permit Revision be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Adam Wheat at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-8397 or toll free at 1-800-451-6027 extension 3-8397.

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

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

Appendix A: Emissions Calculations
Summary

Company Name: Webb Wheel Products, Inc.
Source Address: 9840 W SR 66, Tell City, IN 47586
Significant Permit Revision: 123-35959-00024
Reviewer: Jenny Liljegren/Adam Wheat

Uncontrolled Potential to Emit

Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG as CO2e	Total HAPs	Highest Single HAP (hexane)
Hub and Drum Machining	3939.59	393.96	393.96	–	–	–	–	–	–	–
Surface Coating	48.26	48.26	48.26	–	–	0.16	–	–	–	–
Degreasing	–	–	–	–	–	3.96	–	–	–	–
Combustion	0.09	0.37	0.37	0.03	4.88	0.27	4.10	5,896	0.09	0.09
Total	**3987.95**	**442.59**	**442.59**	**0.03**	**4.88**	**4.39**	**4.10**	**5,896**	**0.09**	**0.09**

Limited Potential to Emit

Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG as CO2e	Total HAPs	Highest Single HAP (hexane)
Hub and Drum Machining*	47.17	5.12	5.12	–	–	–	–	–	–	–
Surface Coating	48.26	48.26	48.26	–	–	0.16	–	–	–	–
Degreasing	–	–	–	–	–	3.96	–	–	–	–
Combustion	0.09	0.37	0.37	0.03	4.88	0.27	4.10	5,896	0.09	0.09
Total	**95.53**	**53.76**	**53.76**	**0.03**	**4.88**	**4.39**	**4.10**	**5,896**	**0.09**	**0.09**

*Limited emissions for hub and drum machining operations.

Appendix A: Emissions Calculations
Summary of Revision

Company Name: Webb Wheel Products, Inc.
Source Address: 9840 W SR 66, Tell City, IN 47586
Significant Permit Revision: 123-35959-00024
Reviewer: Jenny Liljegren/Adam Wheat

Uncontrolled Potential to Emit

Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG as CO2e	Total HAPs	Highest Single HAP
Drum/Rotor Line 3 Drilling Operation 30	204.77	20.48	20.48	–	–	–	–	–	–	–
Drum/Rotor Line 4 Drilling Operation 30	204.77	20.48	20.48	–	–	–	–	–	–	–
Drum/Rotor Line 3 Machining Operation 10	102.38	10.24	10.24	–	–	–	–	–	–	–
Drum/Rotor Line 3 Machining Operation 20	102.38	10.24	10.24	–	–	–	–	–	–	–
Drum/Rotor Line 4 Machining Operation 10	102.38	10.24	10.24	–	–	–	–	–	–	–
Drum/Rotor Line 4 Machining Operation 20	102.38	10.24	10.24	–	–	–	–	–	–	–
Miscellaneous Drilling 2 Operation 20	204.77	20.48	20.48	–	–	–	–	–	–	–
Miscellaneous Drilling 3 Operation 20	204.77	20.48	20.48	–	–	–	–	–	–	–
Miscellaneous Drilling 4 Operation 20	204.77	20.48	20.48	–	–	–	–	–	–	–
Miscellaneous Grinding 1 Operation 10	122.86	12.29	12.29	–	–	–	–	–	–	–
Miscellaneous Grinding 2 Operation 10	122.86	12.29	12.29	–	–	–	–	–	–	–
Total	**1679.07**	**167.91**	**167.91**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Limited Potential to Emit

Emission Units	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHG as CO2e	Total HAPs	Highest Single HAP
Drum/Rotor Line 3 Drilling Operation 30	2.45	0.26	0.26	–	–	–	–	–	–	–
Drum/Rotor Line 4 Drilling Operation 30	2.45	0.26	0.26	–	–	–	–	–	–	–
Drum/Rotor Line 3 Machining Operation 10	1.23	0.13	0.13	–	–	–	–	–	–	–
Drum/Rotor Line 3 Machining Operation 20	1.23	0.13	0.13	–	–	–	–	–	–	–
Drum/Rotor Line 4 Machining Operation 10	1.23	0.13	0.13	–	–	–	–	–	–	–
Drum/Rotor Line 4 Machining Operation 20	1.23	0.13	0.13	–	–	–	–	–	–	–
Miscellaneous Drilling 2 Operation 20	2.45	0.26	0.26	–	–	–	–	–	–	–
Miscellaneous Drilling 3 Operation 20	2.45	0.26	0.26	–	–	–	–	–	–	–
Miscellaneous Drilling 4 Operation 20	2.45	0.26	0.26	–	–	–	–	–	–	–
Miscellaneous Grinding 1 Operation 10	1.49	0.13	0.13	–	–	–	–	–	–	–
Miscellaneous Grinding 2 Operation 10	1.49	0.13	0.13	–	–	–	–	–	–	–
Total	**20.15**	**2.10**	**2.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Appendix A: Emissions Calculations
Particulate Emissions from Hub and Drum Machining Operations

Company Name: Webb Wheel Products, Inc.
Source Address: 9840 W SR 66, Tell City, IN 47586
Significant Permit Revision: 123-35959-00024
Reviewer: Jenny Liljegren/Adam Wheat

Complete Machining Center and Drum/Rotor Machining Center

Emission Unit/Control Device	Dust Collector ID	Capacity	Weight of Part	Process Weight Rate		Emission Factors		PTE PM Before Controls		PTE PM10/PM2.5 Before Controls		Control Efficiency	PTE PM After Controls		PTE PM10/PM2.5 After Controls		Limited PTE				
																	Equivalent Limited Efficiency	(lbs/hour)		(tons/year)	
		(parts/hr)	(lbs/part)	(lbs/hr)	(tons/hr)	PM (lbs/ton)	PM10 / PM2.5 (lbs/ton)	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)	(%)	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)		PM	PM10 / PM2.5	PM	PM10 / PM2.5
Hub Line 1 Lathe Operation 10	DFO 2-2(1)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 1 Lathe Operation 20	DFO 2-2(2)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 1 Drilling Operation 30	WSO 20(1)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 1 Grinding Operation 40	WSO 10(1)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 2 Lathe Operation 10	DFO 2-2(3)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 2 Lathe Operation 20	DFO 2-2(4)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 2 Drilling Operation 30	WSO 20(2)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 2 Grinding Operation 40	WSO 10(2)	25.6	62	1.587	0.79	17	1.7	13.49	59.09	1.35	5.91	99.0%	0.13	0.59	1.3E-02	0.06	98.8%	0.16	0.02	0.70	0.09
Hub Line 3 Horizontal Lathe Operation 10	WSO 20(3)	24	62	1.488	0.74	17	1.7	12.65	55.40	1.26	5.54	99.0%	0.13	0.55	1.3E-02	0.06	98.8%	0.15	0.02	0.66	0.09
Hub Line 3 Vertical Lathe 1 Operation 10	DFO 2-2(5)	24	62	1.488	0.74	17	1.7	12.65	55.40	1.26	5.54	99.0%	0.13	0.55	1.3E-02	0.06	98.8%	0.15	0.02	0.66	0.09
Hub Line 3 Vertical Lathe 2 Operation 10	DFO 2-2(6)	24	62	1.488	0.74	17	1.7	12.65	55.40	1.26	5.54	99.0%	0.13	0.55	1.3E-02	0.06	98.8%	0.15	0.02	0.66	0.09
Hub Line 3 Drilling 1 Operation 20	WSO 20(4)	48	62	2,976	1.49	17	1.7	25.30	110.80	2.53	11.08	99.0%	0.25	1.11	2.5E-02	0.11	98.8%	0.30	0.03	1.31	0.13
Hub Line 3 Grinding Operation 30	WSO 10(3)	30	62	1.860	0.93	17	1.7	15.81	69.25	1.58	6.92	99.0%	0.16	0.69	1.6E-02	0.07	98.8%	0.19	0.02	0.83	0.09
Hub Line 4 Lathe 1 Operation 10	DFO 2-2(7)	24	110	2,640	1.32	17	1.7	22.44	98.29	2.24	9.83	99.0%	0.22	0.98	2.2E-02	0.10	98.8%	0.27	0.03	1.18	0.13
Hub Line 4 Lathe 2 Operation 10	DFO 2-2(8)	24	110	2,640	1.32	17	1.7	22.44	98.29	2.24	9.83	99.0%	0.22	0.98	2.2E-02	0.10	98.8%	0.27	0.03	1.18	0.13
Hub Line 4 Drilling Operation 20	WSO 20(6)	24	110	2,640	1.32	17	1.7	22.44	98.29	2.24	9.83	99.0%	0.22	0.98	2.2E-02	0.10	98.8%	0.27	0.03	1.18	0.13
Hub Line 4 Grinding Operation 30	WSO 10(4)	30	110	3,300	1.65	17	1.7	28.05	122.86	2.81	12.29	99.0%	0.28	1.23	2.8E-02	0.12	98.8%	0.34	0.03	1.49	0.13
Drum/Rotor Line 1 Drilling Operation 30	WSO 20(7)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Drum/Rotor Line 2 Drilling Operation 30	WSO 20(8)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Drum/Rotor Line 3 Drilling Operation 30	WSO 20(9)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Drum/Rotor Line 4 Drilling Operation 30	WSO 20(10)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Drum/Rotor Line 1 Machining Operation 10	DFO 2-2(9a)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 1 Machining Operation 20	DFO 2-2(9b)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 2 Machining Operation 10	DFO 2-2(10a)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 2 Machining Operation 20	DFO 2-2(10b)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 3 Machining Operation 10	DFO 2-2(11a)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 3 Machining Operation 20	DFO 2-2(11b)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 4 Machining Operation 10	DFO 2-2(12a)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Drum/Rotor Line 4 Machining Operation 20	DFO 2-2(12b)	25	110	2,750	1.375	17	1.7	23.38	102.38	2.34	10.24	99.0%	0.23	1.02	2.3E-02	0.10	98.8%	0.28	0.03	1.23	0.13
Miscellaneous Drilling 1 Operation 20	WSO 20(5)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Miscellaneous Drilling 2 Operation 20	WSO 20(11)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Miscellaneous Drilling 3 Operation 20	WSO 20(12)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Miscellaneous Drilling 4 Operation 20	WSO 20(13)	50	110	5,500	2.75	17	1.7	46.75	204.77	4.68	20.48	99.0%	0.47	2.05	4.7E-02	0.20	98.8%	0.56	0.06	2.45	0.26
Miscellaneous Grinding 1 Operation 10	WSO 10(5)	30	110	3,300	1.65	17	1.7	28.05	122.86	2.81	12.29	99.0%	0.28	1.23	2.8E-02	0.12	98.8%	0.34	0.03	1.49	0.13
Miscellaneous Grinding 2 Operation 10	WSO 10(6)	30	110	3,300	1.65	17	1.7	28.05	122.86	2.81	12.29	99.0%	0.28	1.23	2.8E-02	0.12	98.8%	0.34	0.03	1.49	0.13
Total								**899.45**	**3939.59**	**89.94**	**393.96**		**8.99**	**39.40**	**0.90**	**3.94**		**10.77**	**1.17**	**47.17**	**5.12**

Methodology
Weight Rate (tons/hr) = Capacity * Weight of Part (lbs/part) = Weight Rate (lbs/hr) * (1 ton/2000lbs)
Potential to Emit PM or PM10 Before Controls (tons/yr) = Weight Rate (tons/hr) * PM or PM10 Emission Factor (lbs/ton) * (2000lbs/ton)
Potential to Emit PM and PM10 After Controls (tons/yr) = Potential to Emit PM and PM10 Before Controls (tons/yr) * (1 - Control Effiency %)
PM and PM10 Emission Factors are from FIRES 6.23 SCC# 3-04-003-40 For Grinding/Cleaning at Grey Iron Foundries

326 IAC 6-3-2 Particulate Emisssion Limitations for Manufacturing Processes
Webb Wheeel Products, Inc. Particulate Emissions From Complete Machining Center and Drum/Rotor Machining Center

Emission Unit	Dust Collector IDs	PTE PM before controls (lbs/hr)	Subject to 326 IAC 6-3?	Process Weight Rate (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)	PTE PM after controls (lbs/hr)	Able to Comply with 326 IAC 6-3-2?
Hub High Volume Line 1	DFO 2-2(1), DFO 2-2(2), WSO 20(1), WSO 10(1)	53.96	Yes, > 0.551 lbs/hr	1587	0.79	3.51	5.40E-01	Yes, with control
Hub High Volume Line 2	DFO 2-2(3), DFO 2-2(4), WSO 20(2), WSO 10(2)	53.96	Yes, > 0.551 lbs/hr	1587	0.79	3.51	5.40E-01	Yes, with control
Hub High Volume Line 3	WSO 20(3) DFO 2-2(5), DFO 2-2(6), WSO 20(4), WSO 10(3)	79.05	Yes, > 0.551 lbs/hr	2976	1.49	5.35	7.91E-01	Yes, with control
Hub High Volume Line 4	DFO 2-2(7), DFO 2-2(8), WSO 20(6), WSO 10(4)	95.37	Yes, > 0.551 lbs/hr	1488	0.74	3.36	9.54E-01	Yes, with control
Drum/Rotor Machining and Drilling Line 1	WSO 20(7), DFO 2-2(9a), DFO 2-2(9b)	93.50	Yes, > 0.551 lbs/hr	5500	2.75	8.07	9.35E-01	Yes, with control
Drum/Rotor Machining and Drilling Line 2	WSO 20(8), DFO 2-2(10a), DFO 2-2(10b)	93.50	Yes, > 0.551 lbs/hr	5500	2.75	8.07	9.35E-01	Yes, with control
Drum/Rotor Machining and Drilling Line 3	WSO 20(9), DFO 2-2(11a), DFO 2-2(11b)	93.50	Yes, > 0.551 lbs/hr	5500	2.75	8.07	9.35E-01	Yes, with control
Drum/Rotor Machining and Drilling Line 4	WSO 20(10), DFO 2-2(12a), DFO 2-2(12b)	93.50	Yes, > 0.551 lbs/hr	5500	2.75	8.07	9.35E-01	Yes, with control
Miscellaneous Drilling 1 Operation 20	WSO 20(5)	46.75	Yes, > 0.551 lbs/hr	5500	2.75	8.07	4.68E-01	Yes, with control
Miscellaneous Drilling 2 Operation 20	WSO 20(11)	46.75	Yes, > 0.551 lbs/hr	5500	2.75	8.07	4.68E-01	Yes, with control
Miscellaneous Drilling 3 Operation 20	WSO 20(12)	46.75	Yes, > 0.551 lbs/hr	5500	2.75	8.07	4.68E-01	Yes, with control
Miscellaneous Drilling 4 Operation 20	WSO 20(13)	46.75	Yes, > 0.551 lbs/hr	5500	2.75	8.07	4.68E-01	Yes, with control
Miscellaneous Grinding 1 Operation 10	WSO 10(5)	28.05	Yes, > 0.551 lbs/hr	3300	1.65	5.73	2.81E-01	Yes, with control
Miscellaneous Grinding 2 Operation 10	WSO 10(6)	28.05	Yes, > 0.551 lbs/hr	3300	1.65	5.73	2.81E-01	Yes, with control

Methodology

Process Weight Rates
Hub High Volume Line 1 = (25.6 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 2 = (25.6 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 3 = (48 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Hub High Volume Line 4 = (24 parts/hour * 62 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 1 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 2 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 3 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Drum/Rotor Machining Line 4 = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Miscellaneous Drilling = (50 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)
Miscellaneous Grinding = (30 parts/hour * 110 lbs/part) * (1 ton / 2000 lbs)

326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
When the process weight rate is less than one hundred (100) pounds per hour, the allowable rate of emission is five hundred
Emission limitations for process weight rates up to sixty thousand pounds per hour shall be calculated with the following equation:

$$E\ (lb/hr) = 4.10\ P^{0.67}$$

Emission limitations for process weight rates greater than sixty thousand pounds per hour shall be calculated with the following equation:

$$E\ (lb/hr) = 55.0\ P^{0.11} - 40$$

Where: E = Rate of emission in pounds per hour
P = Process Weight Rate in tons per hour

Appendix A: Emissions Calculations
VOC and Particulate
from Surface Coating Operations

Company Name: Webb Wheel Products, Inc.
Source Address: 9840 W SR 66, Tell City, IN 47586
Significant Permit Revision: 123-35959-00024
Reviewer: Jenny Liljegren/Adam Wheat

Drum Painting Area and Hub Painting Area

Area	Emission Unit	Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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 (lbs/hr)	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
Drum Painting Area	the automatic spray paint system (DS11)	DAB 4060 EX	9.4	66.2%	66%	0.20%	75%	25%	0.02	100	48	0.075	0.02	0.04	0.90	0.16	3.18	13.92	0.08	50%
Hub Painting Area	powder coat paint system	Powdercoat White	13.1	0%	0%	0%	0%	100%	0.06	100	144	0.00	0.00	0.00	0.00	0.00	3.92	17.17	0.00	95%
Hub Painting Area	powder coat paint system	Powdercoat Black	13.1	0%	0%	0%	0%	100%	0.06	100	144	0.00	0.00	0.00	0.00	0.00	3.92	17.17	0.00	95%
												Total PTE (Uncontrolled)		**0.04**	**0.90**	**0.16**		**48.26**		
																PM Control Efficiency:		**65%**		
												Total PTE (Controlled)		**0.04**	**0.90**	**0.16**		**16.89**		

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)
According to the MSDSs these coatings contain no HAPs.

326 IAC 6-3-2 Particulate Emisssion Limitations for Manufacturing Processes
Webb Wheeel Products, Inc. Particulate Emissions From the Powder Coat Paint System

Emission Unit	Control Device	PTE PM before controls (lbs/hr)	Subject to 326 IAC 6-3?	Process Weight Rate (lbs/hr)	Process Weight Rate (tons/hr)	326 IAC 6-3-2 Allowable PM Limit (lbs/hr)	PTE PM after controls (lbs/hr)	Able to Comply with 326 IAC 6-3-2?
Powder coat paint system	dry filters	7.84	Yes, > 0.551 lbs/hr	12400	6.20	13.92	2.74	Yes

Methodology

Process Weight Rate
Powder Coat Paint System (lbs/hr) = 100 wheel parts per hour per booth * 2 booths * 62 pounds per wheel part = 12400
Powder Coat Paint System (tons/hr) = 100 wheel parts per hour per booth * 2 booths * 62 pounds per wheel part / 2000 lbs/tor 6.2

326 IAC 6-3-2 Allowable PM Limit (lbs/hr)
When the process weight rate is less than one hundred (100) pounds per hour, the allowable rate of
Emission limitations for process weight rates up to sixty thousand pounds per hour shall be calculated with the following equation:

$$E\ (lb/hr) = 4.10\ P^{0.67}$$

Emission limitations for process weight rates greater than sixty thousand pounds per hour shall be calculated with the following equation:

$$E\ (lb/hr) = 55.0\ P^{0.11} - 40$$

Where: E = Rate of emission in pounds per hour
P = Process Weight Rate in tons per hour

Appendix A: Emissions Calculations
VOC from Degreasing Operations

Company Name: Webb Wheel Products, Inc.
Source Address: 9840 W SR 66, Tell City, IN 47586
Significant Permit Revision: 123-35959-00024
Reviewer: Jenny Liljegren/Adam Wheat

Material	Density (lbs/gal)	Usage Rate (gal/hr)	Usage Rate (lb/hr)	Weight Percent Volatile	Maximum Potential Emissions (tons/yr)
Complete Machining Center					
Syntilo 9926B	9.00	0.1735	1.56	20%	1.37
Syntilo 9926B	9.00	0.1735	1.56	20%	1.37
				Total:	**2.74**

Material	Density (lbs/gal)	Usage Rate (gal/hr)	Usage Rate (lb/hr)	Weight Percent Volatile	Maximum Potential Emissions (tons/yr)
Washers HS13 and HS15					
Anticorit AQ 1961 R	9.08	0.07	0.62	45%	1.23

Methodology
VOC usage provided by the source. Parts Washers HS13 and HS15 use a combined maximum throughput of 600 gallons per year.
Density and weight % VOC from MSDS provided by the source.
Maximum potential emissions (tons/yr) = usage rate (lbs/hr) * 8760 hrs/yr * 1 ton/2000 lbs * weight % VOC

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100

Company Name: **Webb Wheel Products, Inc.**
Source Address: **9840 W SR 66, Tell City, IN 47586**
Significant Permit Revision: **123-35959-00024**
Reviewer: **Jenny Liljegren/Adam Wheat**

Heat Input Capacity MMBtu/hr	Emission Unit	
0.50	DS10	0.50 MMBtu/hr
1.44	HS6	1.44 MMBtu/hr
0.80	HS7	1.44 MMBtu/hr
0.50	HS10	0.50 MMBtu/hr
0.50	HS12	0.50 MMBtu/hr
0.50	HS14	0.50 MMBtu/hr
3.207	HS16	3.207 MMBtu/hr
3.207	HS17	3.207 MMBtu/hr
0.20	HST18 & HST19	0.1 MMBtu/hr each
0.36	HST20 & HST21	0.18 MMBtu/hr each
0.16	HST22	0.16 MMBtu/hr

Total Heat Input Capacity MMBtu/hr	HHV mmBtu / mmscf	Potential Throughput MMCF/yr
11.4	1020	97.7

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.09	0.37	0.37	0.03	4.88	0.27	4.10

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

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

HAPS Calculations

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	**Total - Organics**
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	1.0E-04	5.9E-05	3.7E-03	0.09	1.7E-04	**0.09**

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	**Total - Metals**
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	2.44E-05	5.37E-05	6.84E-05	1.86E-05	1.03E-04	**2.68E-04**
					Total HAPs	**0.09**
					Worst HAP	**0.09**

Methodology is the same as above.

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

Greenhouse Gas Calculations

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	5,861	0.1	0.1
Summed Potential Emissions in tons/yr	5,861		
CO2e Total in tons/yr	5,896		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (25) + N2O Potential Emission ton/yr x N2O GWP (298).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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

July 30, 2015

Mr. Joshua Etienne
Webb Wheel Products
9840 W SR 66
Tell City, IN 47586

Re: Public Notice
Webb Wheel Products
Permit Level: FESOP - Significant Permit Revision
Permit Number: 123 - 35959 - 00024

Dear Mr. Etienne:

Enclosed is a copy of your draft FESOP - Significant Permit Revision, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Perry County News in Tell City, Indiana publish the abbreviated version of the public notice no later than August 3, 2015. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Tell City Perry County Public Library, 2328 Tell Street in Tell City IN. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Adam Wheat, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 3-8397 or dial (317) 233-8397.

Sincerely,
Len Pogost

Len Pogost
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover lette-2014. Dot4/10/14

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Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

July 30, 2015

Perry County News
Attn: Classifieds
537 Main Street
Tell City, Indiana 47586

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Webb Wheel Products, Perry County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than August 3, 2015.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Len Pogost at 800-451-6027 and ask for extension 3-2803 or dial 317-233-2803.

Sincerely,

Len Pogost

Len Pogost
Permit Branch
Office of Air Quality

Permit Level: FESOP - Significant Permit Revision
Permit Number: 123 - 35959 - 00024

Enclosure
PN Newspaper.dot 6/13/2013

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

July 30, 2015

To: Tell City Perry County Public Library 2328 Tell Street Tell City IN

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Webb Wheel Products
Permit Number: 123 - 35959 - 00024

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 6/13/2013

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Notice of Public Comment

July 30, 2015
Webb Wheel Products
123 - 35959 - 00024

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 6/13/13

Mail Code 61-53

IDEM Staff	LPOGOST 7/30/2015 Webb Wheel Products, Inc. 123 - 35959 - 00024 draft)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Joshua Etienne Webb Wheel Products, Inc. 9840 W SR 66 Tell City IN 47586 (Source CAATS)									
2		Chad Plank President Webb Wheel Products, Inc. 9840 W SR 66 Tell City IN 47586 *(RO CAATS)*									
3		Perry County Health Department Courthouse Annex Cannelton IN 47520-1251 *(Health Department)*									
4		Mr. Ron Hendrich Schwab Corporation 4630 E St Rd 66 Cannelton IN 47520 *(Affected Party)*									
5		Tell City - City Council and Mayors Office PO Box 515 Tell City IN 47586 *(Local Official)*									
6		Perry County Commissioners Court House, 2219 Payne Street Tell City IN 47586 *(Local Official)*									
7		Tell City Perry County Public Library 2328 Tell Street Tell City IN 47586-1717 *(Library)*									
8		Mr. Mark Wilson Evansville Courier & Press P.O. Box 268 Evansville IN 47702-0268 *(Affected Party)*									
9		John Blair 800 Adams Ave Evansville IN 47713 *(Affected Party)*									
10		Lori P Purnell Spencer Environmental Consultants, LLC 3351 Independence Drive, Suite 201 Birmingham AL 35209 *(Consultant)*									
11											
12											
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